RMT
REVOLUTION MACHINE TOOLS

KYSON

FIBER LASERS

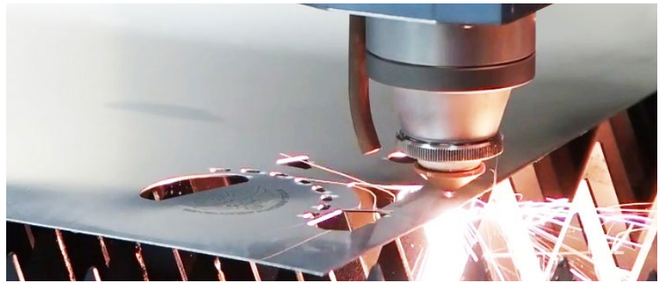
ABOUT **RMT**

Some of the Revolution Machine Tools Team

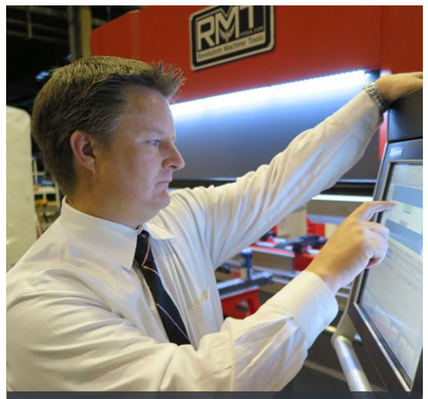
Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We have partnered with leading manufacturers to build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are and Kyle has built his reputation on those principles. RMT is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.



RMT offers several innovative machines including Fiber Lasers, Press Brakes, Plate Rolls, Ironworkers, Angle Rolls, Shears, Structural Steel Drills, Band Saws, and much more. All RMT product designs are built for durability, precision, repeatability, and speed.



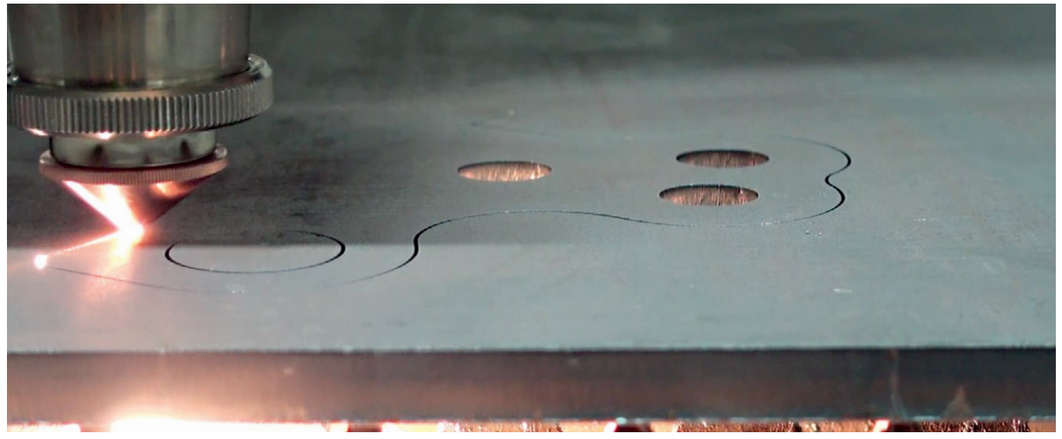
Kyle Jorgenson / President

With the fabulous growth and popularity of RMT machinery in the United States, we started receiving many requests from customers in Europe, the Middle East, Africa, and Asia.

We are proud to have partnered with ANERKA as our International arm of RMT and the only authorized dealer for RMT products outside of the United States.

ANERKA is led by trusted industry professionals who are dedicated to helping customers get the machinery they need to help their company grow and become more successful. With RMT and ANERKA, customer service is number one!

STEVE LARSEN / COO
REVOLUTION MACHINE TOOLS



We take pleasure in helping our customers to be successful.
Many of our customers have become lifelong friends which has carried over through several generations.

BENEFITS OF **RMT KYSON FIBER LASERS**

The RMT KYSON Fiber Lasers bring a cost effective, low-maintenance, low operating cost and environmentally friendly solution to your organization. Our fiber laser machines provide quality cutting and tolerances with minimal productivity loss between jobs, equating to a higher return on investment.

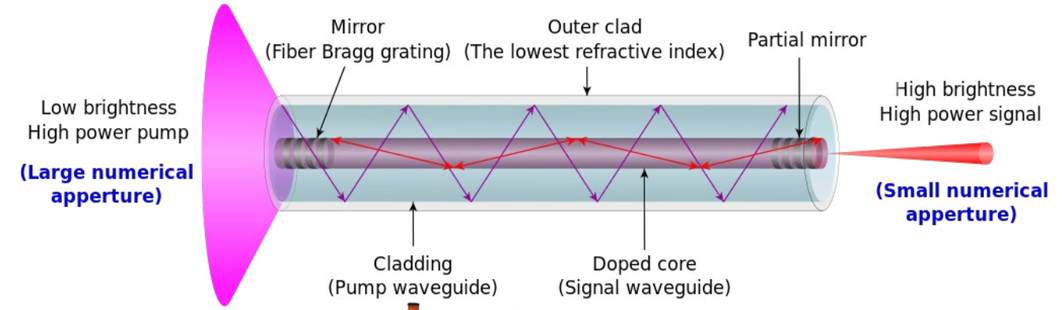
- Manufactured by people who use their own machines
- Laser beam transmitted through a fiber optic cable rather than with mirrors and channel tubing resulting in negligible power loss.
- The laser light source has a life expectancy of more than three times that of an equivalent CO2 laser.
- Higher cutting speeds possible
- Dual interchangeable tables allow for faster loading and unloading, reducing downtime
- Laser wavelength is one-tenth of a CO2 laser
- Reduction in cutting variables or tribal knowledge
- Fiber Laser is extremely efficient, equates to very low power consumption
- Low cost of operation, reduced energy cost, no laser gases required to produce beam
- High cutting flexibility (Steel, Stainless Steel, Brass, Copper, Titanium, Aluminum, and more)
- Very few consumables

MAIN FEATURES

LASER LIGHT SOURCE AND CHILLER

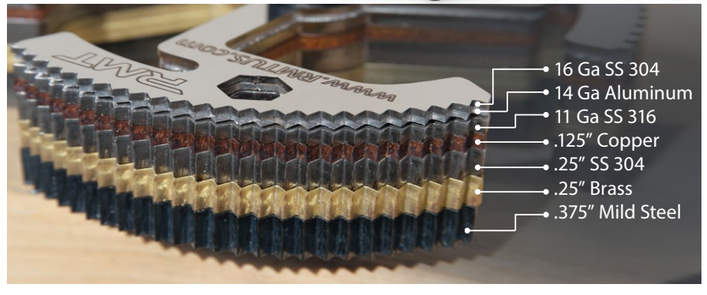
RMT has partnered with industry leaders for the highest quality laser light sources on the market. Ytterbium fiber lasers operating at the 1070 nm wavelength are perfect for laser cutting. The operating wavelength, multi-kilowatt power, good beam quality, wide operating power range, power stability and small spot size on our laser are perfect for most cutting applications. Fiber lasers have a wide dynamic operating power range and the beam's focus and position remain constant, even when the laser power is changed, allowing consistent processing results every time. A wide range of spot sizes can be achieved by changing the optics configuration. These features enable the end user to choose an appropriate power density for cutting various materials and wall thicknesses.

The laser light source chiller is a closed-loop liquid cooling system. The temperature of the light source is constantly monitored by the chiller, ensuring the light source is running at optimal temperatures. The standard cooling system will protect the laser in an environment up to +190 °F.



We benefit from;

- No Mirrors
- No Glassware
- No Cathodes
- No Anodes
- No Turbines/Fans
- No Vacuum Pump
- No Laser light source Lasing Ga
- No loss of power over time
- No Beam Divergence



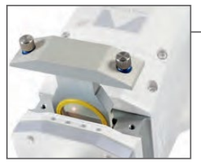
1" mildsteel cut with a
4 kW RMT KYSON Fiber Laser

CUTTING HEAD

Adjustment Of Focal Length:
Can be done manually or
motorized via machine control

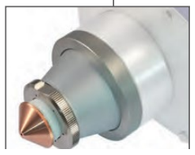
Focusing Lens:
High-quality optics
X/Y adjustment
No repositioning after changing necessary
Additional protective glass below
focusing lens

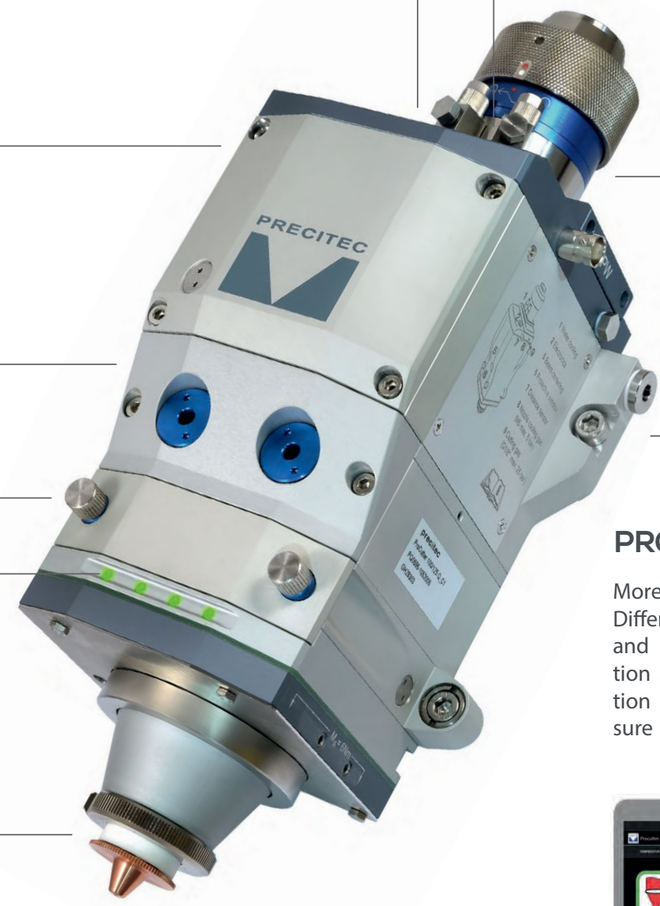
Protective Glass Cartridge :
To protect the optics against dirt and fume
Monitoring of attendance and contamination
Toolless, easy change



LED Bar:
For immediate display of the
current system state
(pressure, temperature, drive, contamination)

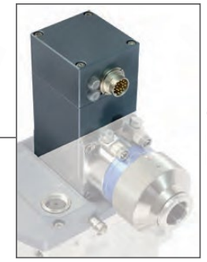
Distance Measurement:
Fast, exact, drift-free distance measurement
at any operating temperatures, even at high
accelerations



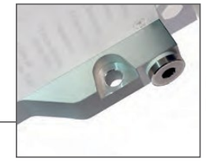


External Interface:
Output of all sensor data as an analog value
Readout the values via Bluetooth®
Set of thresholds

Protective Glass Of Collimation Unit:
At straight configuration



CutMonitor:
Monitoring of piercing process and detection of cut interruption
Integration into angled collimation

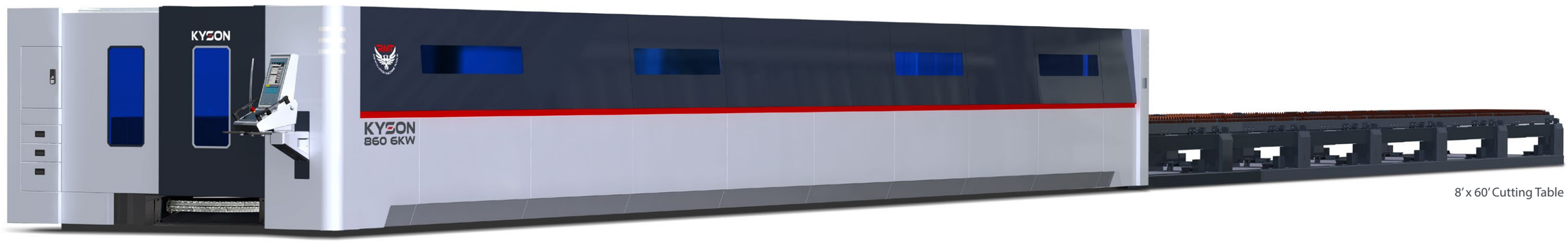


Mounting of the head:
Easy accessibility from the front

PROCUTTER APPS

More reliability thanks to new sensors and modern interfaces
Different sensors are installed in the processing head to detect faults at an early stage and prevent possible damage. Temperature and scattered light sensors provide information about the condition of the entire head and of individual components like the collimation and focusing optics, the protective window and the sensor insert. The cutting gas pressure and the interior are also monitored by means of suitably-mounted pressure sensors.

Thanks to the Bluetooth® interface, you also have the option of monitoring the current system status on your smartphone or tablet PC. Sensor information is thus visualized individually, showing the status of all monitored components in the head. The displays include the temperatures of focal and collimator lenses, the pressures of the cutting gas and the purging air and information about the optics, such as the current configuration or target and actual focal positions. User rights determine whether only sensor values can be displayed or thresholds can also be set. This enables monitoring and initial fault diagnosis to be carried out remotely.



8' x 60' Cutting Table

ROBUST FRAME CONSTRUCTION

A heavier frame means less vibration and better accuracy. The machine frames are reinforced to minimize twists and deformation while the robust frame of the machine is joined to the chassis by steel bars.

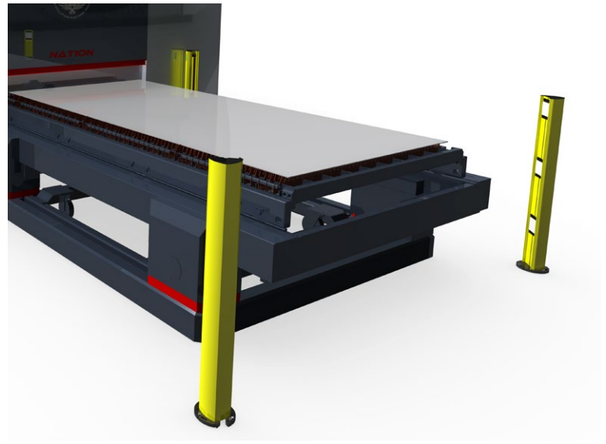
The machine frame goes through a heat treatment process for welding stress relief. Our RMT KYSON frames are machined with 5 axis CNC machining centers with single reference fixing. This keeps all axis parallel and the surfaces of the machine precise which provides great accuracy and longevity to the machine.

HIGH PRECISION DRIVE SYSTEM

The Wittenstein high precision helical gear rack and pinion system uses precision planetary and servo-worm reducers. Our special design eliminates any noticeable backlash variance. The rack used in these systems is also hardened & precision ground.

CUTTING TABLE

The dual cutting table system is designed for increasing your workflow and reducing time spent on placing and removing materials. Four hydraulic cylinders raise and lower the cutting table to position the material while loading and unloading the machine. Cutting table exchange speed can be adjusted according to thickness of materials.

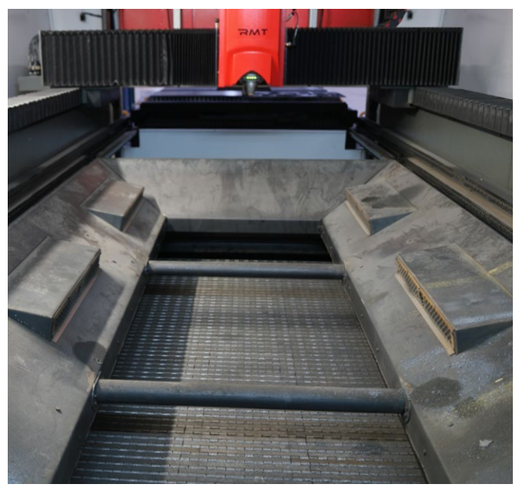


DUST-COLLECTION FUNCTION

An automatic flap opens and closes according to the movement of the processing head, offering on-the-spot dust collection during processing. It also allows for acrid smells or fumes created during cutting to be removed from your shop environment. Automatic Zoned fume extraction is standard on all RMT Fiber Lasers

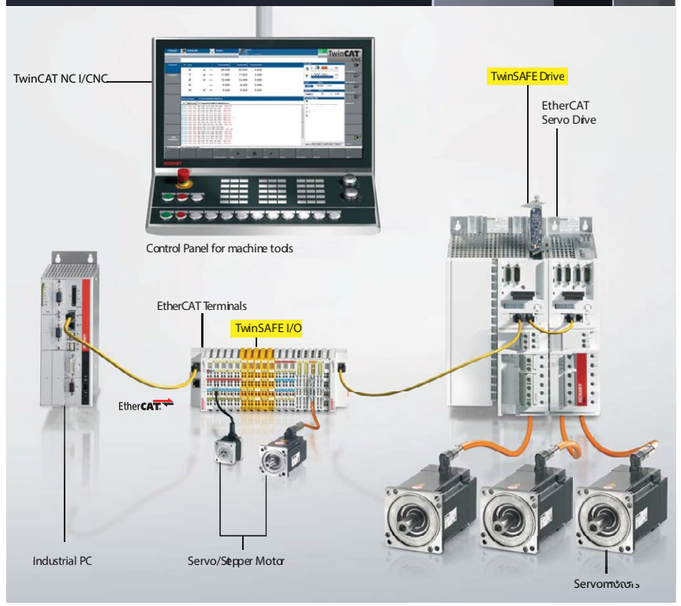
CONVEYOR SYSTEM

A special hard steel construction conveyor system, standard on our machines, is located under the workspace. The conveyor removes slag and small parts during the cutting process. The operator can choose the movement direction of the conveyor.



CONTROL & SOFTWARE

The RMT KYSON Fiber Laser is controlled with a Beckhoff CNC control unit which provides unprecedented control of the cutting process. The control panel features an alphanumeric keyboard, PLC keys on the sides, touch screen keyboard and USB ports. The memory and storage can be increased based on manufacturing demands while the open CNC program, with a Windows based operating system, makes data sharing easy with other computers. A 15"TFT LCD screen ensures that even in poor lighting you have optimal addressability and contrast.



The CP6242 Panel PCs are available with a choice of Intel® processors. The CP6242 Panel PCs can be equipped with a CFast card and a 2½-inch hard disk or SSD. Units containing the more powerful Intel® Core™ i3/i5/i7 processors feature a fan cartridge with speed-controlled fans supported by dual ball bearings. In front of the fan cartridge a 2 cm space is required for ventilation. In each configuration the Panel PCs of this series are approved for ambient temperatures between 32 and 131 °F. Due to its two independent Ethernet interfaces the CP6242 is ideally suited as a compact central processing unit for an EtherCAT control system. A free Mini PCI slot enables different fieldbus cards or a third, independent Ethernet interface to be used. NOVRAM for fail-safe data storage can also be plugged into the Mini PCI slot.

- **Job List**

Used for continuing automatically to the next program even for different material types and thicknesses by automatic parameter selecting.

- **Manual Remnant**

A cutting function used for removing the part from the scrap plate after cutting the material.

- **Job repeat and sheet angle detection**

Starting point and sheet angle detection are all features of the RMT KYSON.

- **Pierce feature**

Achieve high-quality cuts while cutting thick sheets.

- **Online parameter changes**

Operator can make changes to the parameters during the cutting process.

- **Graphical chase with NC Graphic**

Watching the real time cutting process graphically with NC Graphics.

- **Practical solutions**

Axis moves to the start point with the touch of a button.

- **Film Burning**

You can use various film burning options.

- **Work reports in PDF format**

You can save detailed PDF work reports of the cutting process.

- **Wireless connection and service**

You can connect to the machine remotely with an Internet connection provided by wireless modem, USB type adapter or 3G modem for servicing and software upgrades.

- **Test run**

Axis movement simulation without cutting.

- **One Shot via HMI**

You can easily make laser focal adjustment with the one shot feature.

- **Piercing assist**

Controlled airflow during piercing to blow away particles

- **Failure & warning messages**

Laser light source, chiller, cutting head, shuttle table, extractionunit and programming failures are monitored on CNC screen.

- **Running LaserNET from HMI**

LaserNET program provides information to the laser unit and can also can be run via HMI.

- **Focus tests**

Focus optimization can be done manually via HMI. Easier access to technical service, one-shot focus etc.

- **Real-time I/O informing**

The digital-analog I/O information can be viewed in Realtime via HMI.

- **Record all errors**

All errors and warnings are recorded by the machine.

- **Feedrate changing during the cut**

You can reduce or increase the speed during the cutting process.

- **Inch-Meter conversion**

KYSON fiber lasers can work in both imperial and metric systems.

- **Languages**

Standard settings include English, Russian, Italian, Spanish and Polish. Other languages are available upon request.

- **Check part**

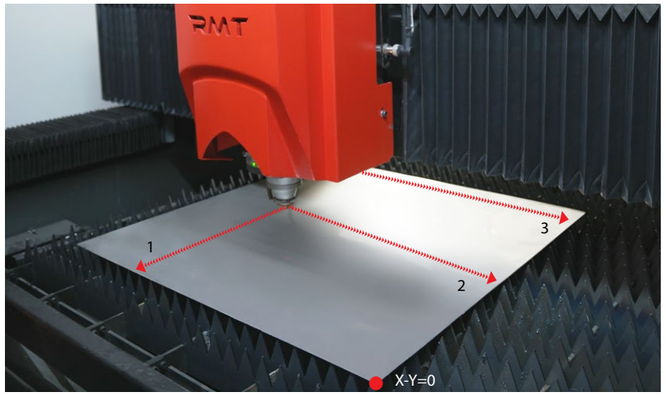
This feature will allow you to check the parameters and cutting quality.

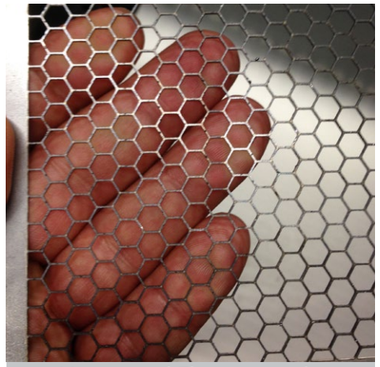
- **Gas control with PID**

Faster, better and more precise gas control with PID.

AUTOMATIC SHEET DETECTION AND FLY CUT

The angle of the sheet and its corner are found automatically by using 3-point detection method on the sheet. Fly cutting allows for extreme cutting speeds on thinner materials that don't require piercing.

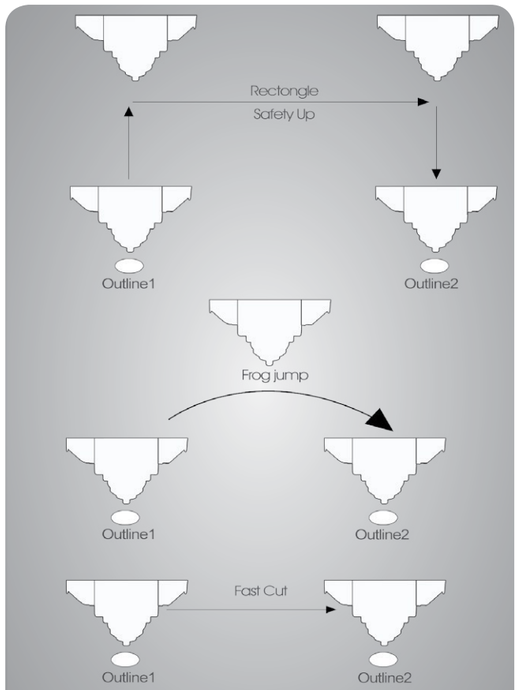




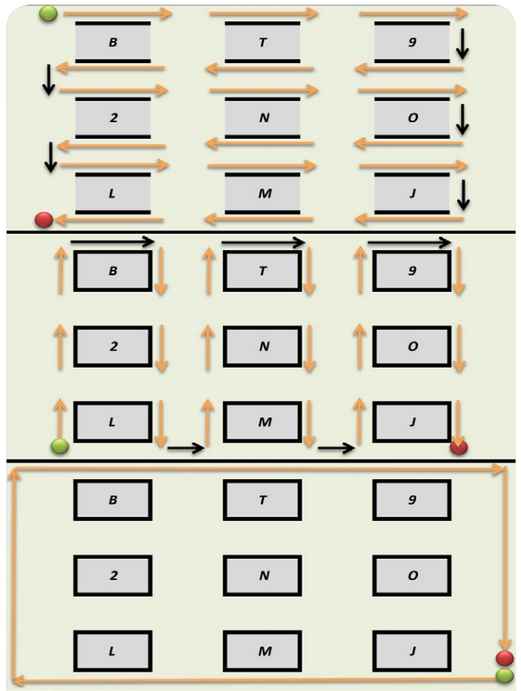
Hexagonal Flycut sample

RETRACTION METHOD

Minimize processing time and achieve better stability by selecting the optimal retraction method which can be set according to the material and plate thickness.



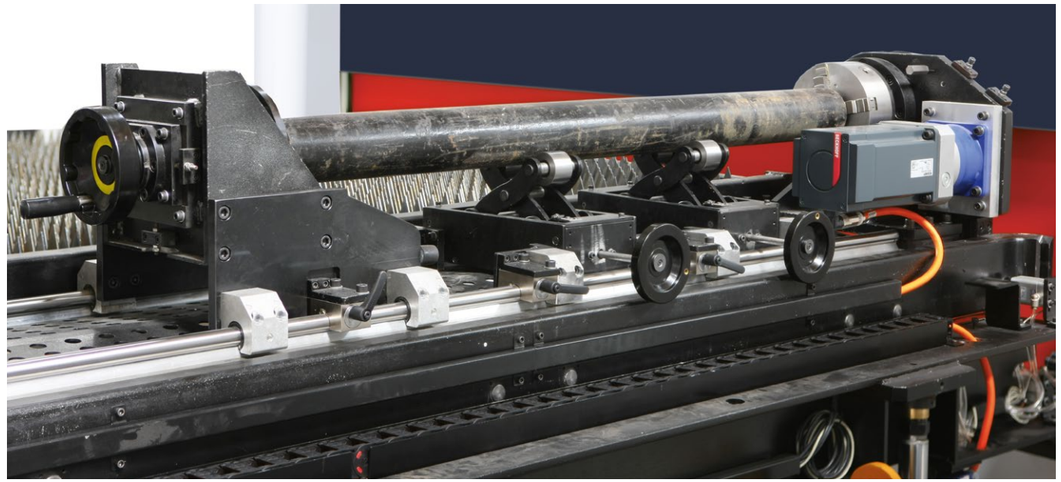
Cutting head movement depends on cad/cam, drawing, material and thickness. As you see on the tables, cutting time can be decreased by these options.



Flycut is a special option of RMT KYSON Fiber Laser. Flycut depends on material, thickness, CAD/CAM and symmetry. Flycut spends less cutting time based on thickness and symmetry of CAD/CAM program.

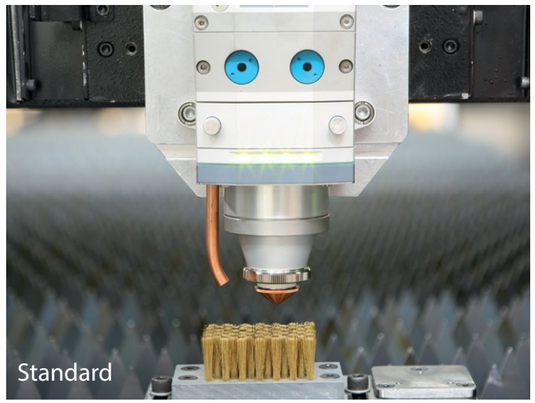
TUBE AND PIPE CUTTING

The KYSON series offers unparalleled versatility. Our optional tube and pipe cutting system has the capability to precisely cut pipe/tube and makes it a necessity for anyone who needs precision parts made from various materials, sizes, and thicknesses.



NOZZLE CLEANER

Keeping your machine cutting quickly and cleanly is important. Our nozzle cleaner helps improve the life of your nozzles so your cuts stay consistent, longer.



Standard

NOZZLE CHANGER

Our optional automatic nozzle changer allows you to adjust for different materials and thicknesses on the fly without the need for manual nozzle changing. When you need to make production deadlines, every minute matters.

Optional

CAD-CAM SYSTEM

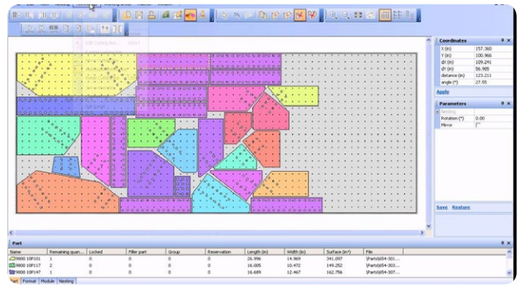
RMT Fiber Laser using software Radprofile Cut Cad / Cam with its own postprocessor.

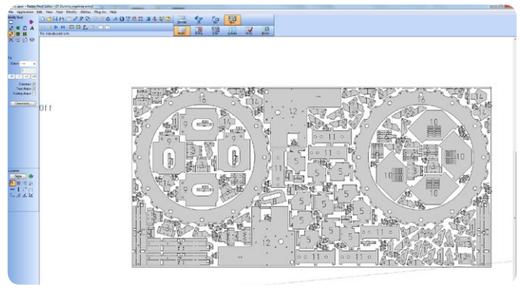
Features like auto nesting and machining, calculating the time, micro-joint, total cut and more allow ease of cutting.

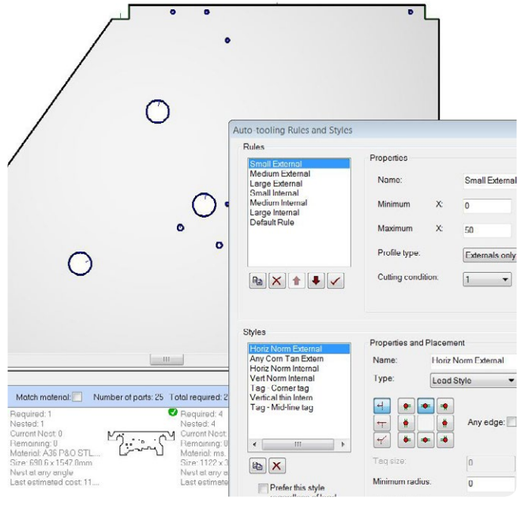
All data for cutting is installed in the technological Radan charts. This program is designed for nesting and machining and is installed directly on the CNC, without any adjustment to the cutting parameters.

Radan is a fast, modern programming application designed to assist in transferring data from CAD to NC code. If Radan is unable to cut a hole smaller than (0.5mm by the thickness of the material), it will be marked automatically.

- Preparing a normal cut
- Cutting with pre-piercing
- Sheet metal clearances
- Clearances between parts
- Preparing common cut
- Edit cutting speeds
- Adding new material to the list
- Using remnant option (saving excess parts of the sheet)
- Marking
- Giving radius at the corners
- Modifying corners to 90 degrees
- Defining cutting technology (cut1, cut2)
- Giving micro joint for nested parts
- Changing the length of the entrance properties
- Reporting writings with marking property
- Change cutting direction
- Scale dimensioning
- Combining the intermittent lines
- Film burning for covered stainless steel
- Cut 1, cut 2, cut 3, cut 4 and small hole property changing
- Edge clearances of the unit sheet
- Editing the automatic machining option
- Marking speed
- Defining cutting direction while doing automatic contour
- Adjusting of sheet remnant
- No cutting
- Change radius







lantek

Lantek Expert Cut is a CAD/CAM nesting software specially designed to automate the CNC programming of sheet metal cutting machines (oxy-cut, plasma, laser, water jet). It is the result of more than 25 year of experience of close collaboration with both manufacturers and machine operators. It perfectly combines machine technology with customers' programming and management requirements.

All of the Lantek Expert Cut options are integrated into one program. Lantek Expert is fully integrated with Lantek Integra, an ERP which offers different CAD/CAM/MES/ERP solutions for the sheet metal and fabrication sector. Additionally, Lantek Expert is designed to connect to an external ERP.

Other features of Lantek Expert are:

•Teamwork - This system can work autonomously or be installed as a part of a network. By using the floating license option, multiple users can access the system.

•Time and True Cost Calculations – Lantek Expert manages all the technology of the machine and calculates time and cost by piece and by sheet.

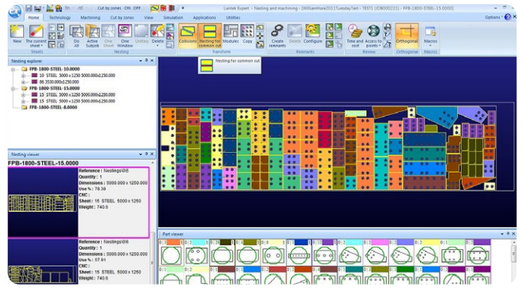
•Parametric Parts Library - The Lantek Expert solution has a wide library of parametric parts.

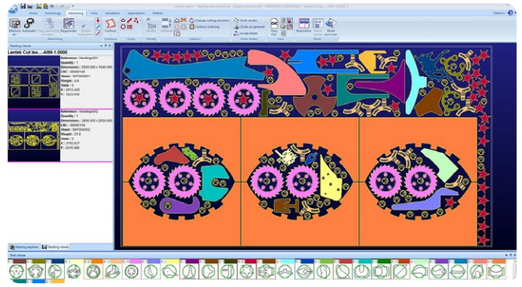
•Open Database – This database is open and enables the user to access it to find parts, manufacturing orders, plates, etc. by using criteria such as: material, thickness, client, date, etc.

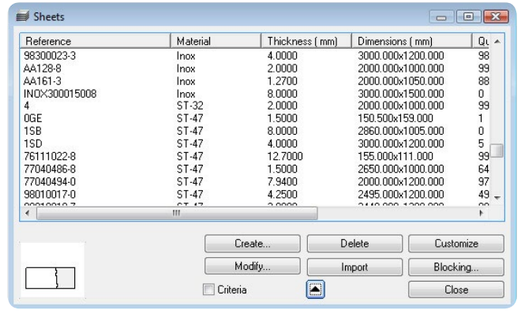
•2D Design - Lantek Expert Cut has a highly efficient 2D CAD module especially created to design 2D plate parts.

•Intelligent Import/Export - Lantek Expert Cut may be linked to the major CAD systems on the market (DXF, DWG, IGES, DSTV, etc.) and may also use graphic files (jpeg, bmp, tif, gif, pcx, etc.).

•Integration – Lantek Expert works with mainstream 3D design systems (SolidWorks®, Autodesk Inventor®, Solid Edge®, Catia®, and more.)

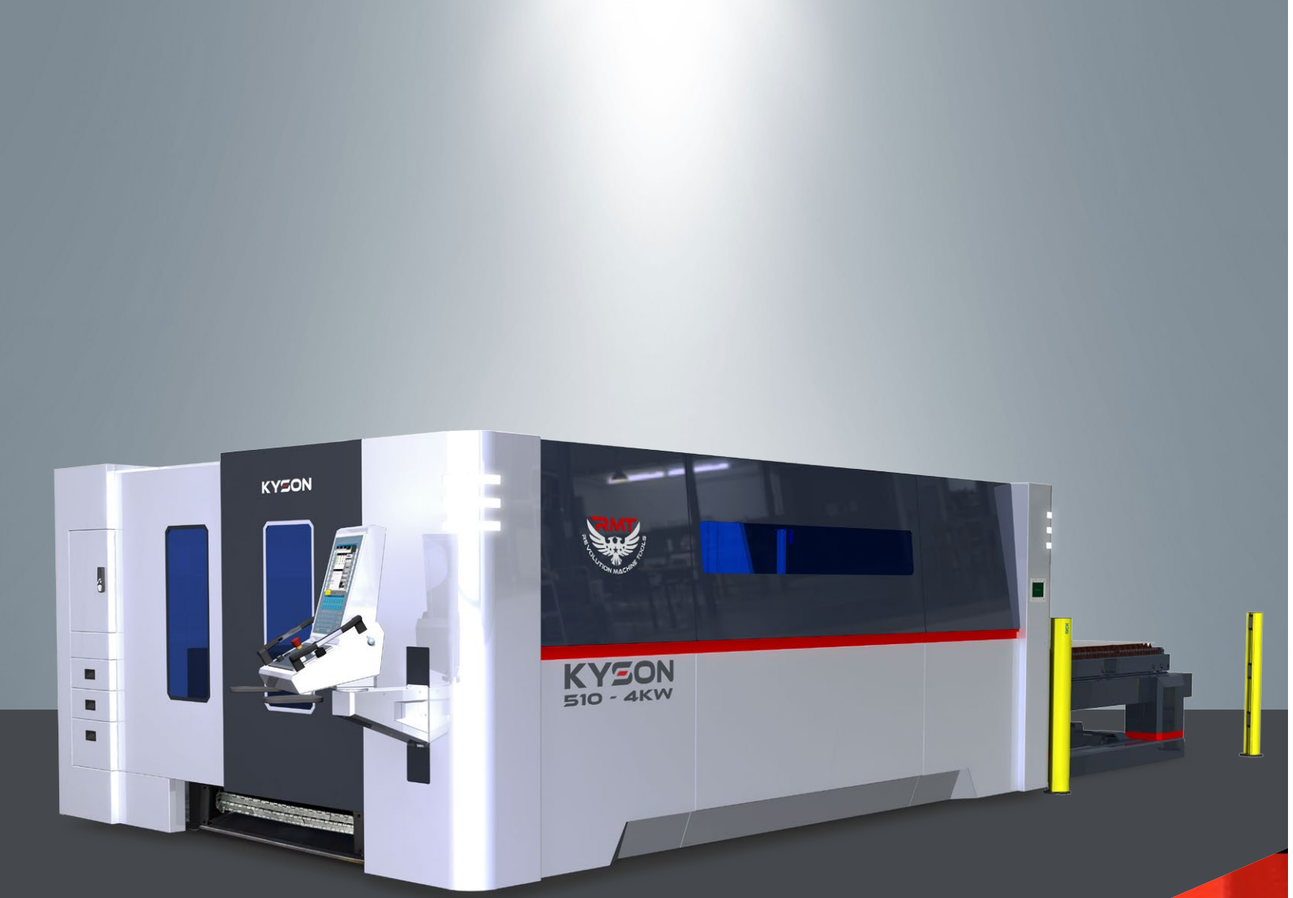






Nesting:

This system provides a perfect combination of automatic, semi-automatic, and manual nesting, which provides great flexibility and optimum performance. Automatic nesting, along with manual nesting functions like copy, moving, and rotating, will allow you to create a very powerful tool.



NEED A WORKHORSE?

- Can be manufactured in any size, up to 80’ in length
- Easy to use, operator friendly, automatic focus cutting head
- Laser Light source has an optional modular structure that allows you to upgrade your laser power.
- Order your machine with our Upgrade Plan for future power increases. For
- example you can upgrade a 3Kw laser to a 4kW.
- Excellent cutting integrity is maintained over the cutting area because the laser beam is transmitted to the cutting head via a flexible fiber optic cable
- With low energy consumption, this machine is environmentally friendly.
- On average the total energy consumption of a 2kW laser is only 11 kW!
- Mechanically robust and rigid frame (High yield plate construction)
- Built-in conveyor system discharges slag and material.
- Automatic dual pallet exchange work table
- ISO-9001 TSE quality documents

STANDARD

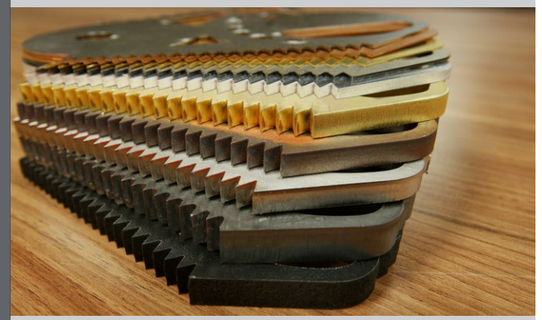
- Stress relieved laser machine frame
- Auto-changing dual pallet system
- Light source
- Chiller
- Radan or Lantek CAD/CAM system
- Precision Rack & Pinion Drive System (Made in Germany)
- 3 lower protective lenses
- 5 Nozzles each of the Following: (1.0mm, 1.2mm, 1.5mm, 2.0mm , 2.5mm , 3.0mm)
- 3 Ceramic Nozzle Adapters
- Auto-calibrated nozzle system
- Lens with 5.9” Focus Length
- Smart Slag Collection System/ Chip Conveyor
- Fiber Beam Transmission System (Fiber Cable)
- Operates with both N2 and O2 (cutting) gases
- Home Position Alignment System
- Auxiliary Gas Selector
- Auxiliary Gas Pressure NC function
- Auto Reflection Warning
- Working Lights
- Warning Indicator Lamps
- Lens Cleaning Kit
- Removal and Adjustment Tools
- Ground Plates
- User Manuals in English

OPTIONAL

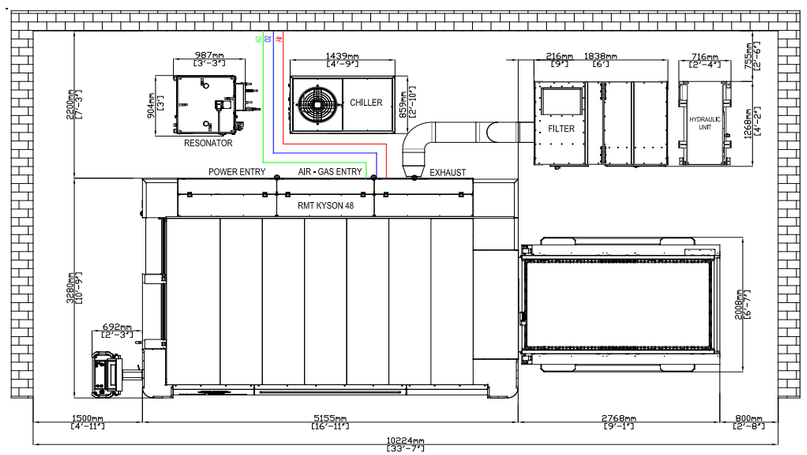
- Linear Drive
- Dust Collection Unit
- Additional Operator Glasses
- Lens with 7.874” Focus Length
- Sheet loading & unloading systems
- Automation & Storage systems
- Automatic Nozzle Changer
- Custom table sizes
- Up to 6 kW laser laser light sources
- Light safety barrier
- Air conditioner for electrical panel
- Metalix, Almacam etc. CAD/CAM software
- LCM (laser cut monitor) sensor for pierce detection and cut loss control

CLEAN CUTTING

Think of how much more productive can you be when your cut parts don’t require clean up. A clean cutting machine exponentially improves your output!



Size		4′ x 8′		
Model Number		Kyson 48-0.5	Kyson 48-1	Kyson 48-2
Laser light source		500 W	1 kW	2 kW
Conservative Production Cutting Capacity **	Mild Steel Oxygen	.197″	.375″	.625″
	Mild Steel Nitrogen	.075″	.125″	.250″
	Stainless Steel	.125″	.187″	.375″
	Aluminum	.075″	.125″	.312″
	Brass	.035″	.081″	.187″
	Copper	.035″	.075″	.187″
Laser Fiber Diameter *		.002″ (50 µm)	.002″ (50 µm)	.004″ (100 µm)
Pulse Peak Power		500 W	1 kW	2 kW
Average Power Consumption (220v/460v 3ph ± 10%)		15 kW	17 kW	21 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%		
Power Stability		± 0.5 % (power monitor)	± 1-3% (power monitor)	± 1-2% (power monitor)
Beam Mode		Direct		
Protection of Laser Beam		Industrial Fiber Cable		
Laser Gas Composition		N/A		
Cooling Water Flow Rate		1.58 gpm (6 l/m)	2.11 gpm (8 l/m)	2.64 gpm (10 l/m)
CNC Controller & Operator Panel		15″Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card		
Axis Movement		High Speed 4 Axes Servo Motor System		
Positioning System		Rack and Pinion	Linear	
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)	7,874 IPM (200 m/min)	
Acceleration		1.5G	3G	
Additional Power Consumption		-	+ 20 kWh	
Repeatability		± .0006″ (± 0.015mm)	± .0004″ (± 0.01mm)	
Positioning Accuracy		± .0012″ (± 0.03mm)	± .0004″ (± 0.01mm)	
Axis	X, U AXIS	4′ 2″ (1270mm)		
	Y AXIS	8′ 4″ (2550mm)		
	Z AXIS	5.9″ (150 mm)		
Sheet Dimensions		4′ 1″x 8′2″ (1250x2500mm)		
Maximum Load Capacity		1,322 lbs (600 kg)		
Shuttle Table Change Time		Double pallet system. Exchange time 30 sec with max sheet weight		
Z – Axis Distance Control		Non-Contact		
ASSIST GAS	Mild Steel	Oxygen 7.25 – 87 PSI (0.5-6 Bar)		
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)		
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)		
Cutting Head		Precitec Light Cutter	Precitec Procutter (Auto Focus)	
CAD/CAM Software		RADAN CAD / CAM		
Machine Dimensions (L x W x H)		340″ x 130″ x 85″ (8615x3280x2155mm)		
Machine Weight		22,928 lbs (10,400 kg)		



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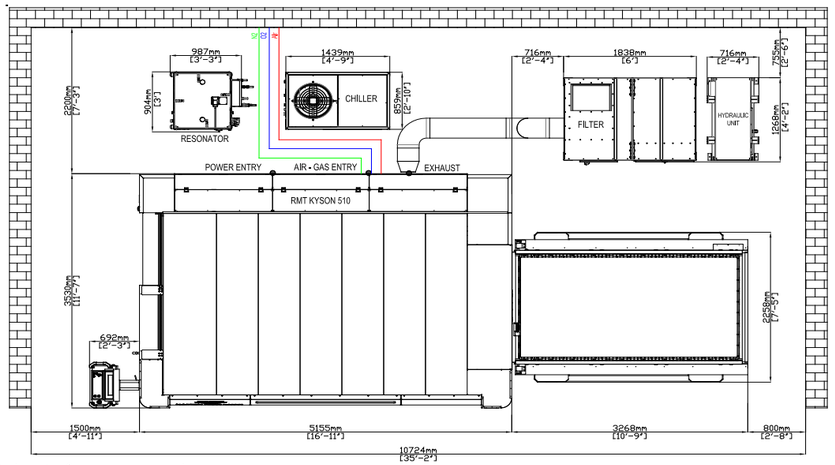
** Conservative cutting capacities may vary depending on optic system settings. Working capacities may be higher or lower depending on the configuration.

Size		5′ x 10′			
Model Number		Kyson 510-2	Kyson 510-3	Kyson 510-4	Kyson 510-6
Laser light source		2 kW	3 kW	4 kW	6 kW
Conservative Production Cutting Capacity **	Mild Steel Oxygen	.625″	.750″	.875″	1.00″
	Mild Steel Nitrogen	.250″	.250″	.312″	.312″
	Stainless Steel	.375″	.500″	.625″	.750″
	Aluminum	.312″	.500″	.625″	.625″
	Brass	.187″	.250″	.375″	.500″
	Copper	.187″	.250″	.312″	.375″
Laser Fiber Diameter *		.004″ (100 µm)	.004″ (100 µm)	.004″ (100 µm)	.004″ (100 µm)
Pulse Peak Power		2 kW	3 kW	4 kW	6 kW
Average Power Consumption (220v/460v 3ph ± 10%)		21 kW	31 kW	34 kW	38 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%			
Power Stability		± 1-2% (power monitor)			
Beam Mode		Direct			
Protection of Laser Beam		Industrial Fiber Cable			
Laser Gas Composition		N/A			
Cooling Water Flow Rate		2.64 gpm (10 l/m)	5.28 gpm (20 l/m)	5.28 gpm (20 l/m)	10.56 gpm (40 l/m)
CNC Controller & Operator Panel		15″Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card			
Axis Movement		High Speed 4 Axes Servo Motor System			
Positioning System		Rack and Pinion	Linear		
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)	7,874 IPM (200 m/min)		
Acceleration		1.5G	3G		
Additional Power Consumption		-	+ 20 kWh		
Repeatability		± .0006″ (± 0.015mm)	± .0004″ (± 0.01mm)		
Positioning Accuracy		± .0012″ (± 0.03mm)	± .0004″ (± 0.01mm)		
Axis	X, U AXIS	5′ 1″ (1550mm)			
	Y AXIS	10′ (3050mm)			
	Z AXIS	5.9″ (150 mm)			
Sheet Dimensions		5′x 10′ (1530x3050mm)			
Maximum Load Capacity		3,307 lbs (1500 kg)			
Shuttle Table Change Time		Double pallet system. Exchange time 35 sec with max sheet weight			
Z – Axis Distance Control		Non-Contact			
ASSIST GAS	Mild Steel	Oxygen 7.25 – 87 PSI (0.5-6 Bar)			
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
Cutting Head		Precitec Procutter (Auto Focus)			
CAD/CAM Software		RADAN CAD / CAM			
Machine Dimensions (L x W x H)		359″ x 139″ x 85″ (9115x3530x2155mm)			
Machine Weight		24,691 lbs (11,200 kg)			



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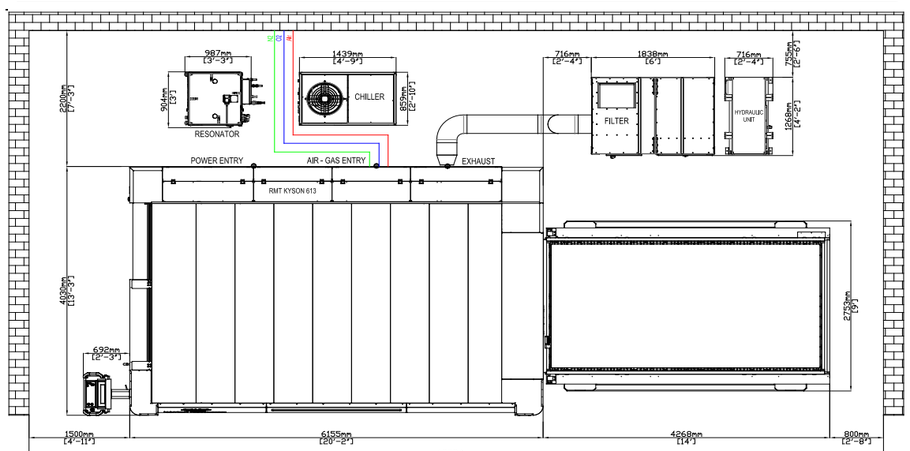
Feature		6’6” x 13’1”			
Model Number		Kyson 613-2	Kyson 613-3	Kyson 613-4	Kyson 613-6
Laser light source		2 kW	3 kW	4 kW	6 kW
Production Cutting Capacity**	Mild Steel Oxygen	.625”	.750”	.875”	1.00”
	Mild Steel Nitrogen	.250”	.250”	.312”	.312”
	Stainless Steel	.375”	.500”	.625”	.750”
	Aluminum	.312”	.500”	.625”	.625”
	Brass	.187”	.250”	.375”	.500”
	Copper	.187”	.250”	.312”	.375”
Laser Fiber Diameter *		.004” (100 µm)	.004” (100 µm)	.004” (100 µm)	.004” (100 µm)
Pulse Peak Power		2 kW	3 kW	4 kW	6 kW
Average Power Consumption (220v/460v 3ph ± 10%)		21 kW	31 kW	34 kW	38 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%			
Power Stability		± 1-2% (power monitor)			
Beam Mode		Direct			
Protection of Laser Beam		Industrial Fiber Cable			
Laser Gas Composition		N/A			
Laser Gas Consumption		N/A			
Cooling Water Flow Rate		2.64 gpm (10 l/m)	5.28 gpm (20 l/m)	5.28 gpm (20 l/m)	10.56 gpm (40 l/m)
CNC Controller & Operator Panel		15” Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card			
Axis Movement		High Speed 4 Axes Servo Motor System			
Positioning System		Rack & Pinion		Linear	
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)		7,874 IPM (200 m/min)	
Acceleration		1.5G		3G	
Additional Power Consumption		-		+ 20 kWh	
Repeatability		± .0006” (± 0.015mm)		± .0004” (± 0.01mm)	
Positioning Accuracy		± .0012” (± 0.03mm)		± .0004” (± 0.01mm)	
Axis	X, Axis	6’8” (2050mm)			
	Y,W Axis	13’3” (4050mm)			
	Z Axis	5.9” (150mm)			
Sheet Dimensions		6’6” x 13’1” (2000x4000mm)			
Maximum Load Capacity		5,511 lbs (2,500 kg)			
Shuttle Table Change Time		Double pallet system. Exchange time 45 sec with max sheet weight			
Z – Axis Distance Control		Non-Contact			
Assist Gas	Mild Steel	Oxygen 7.25 – 87 PSI (0.5-6 Bar)			
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
Cutting Head		Precitec Procutter (Auto Focus)			
CAD/CAM Software		RADAN CAD / CAM			
Machine Dimensions (L x W x H)		438” x159” x 85” (11115x4030x2155mm)			
Machine Weight		34,833 lbs (15,800 kg)			



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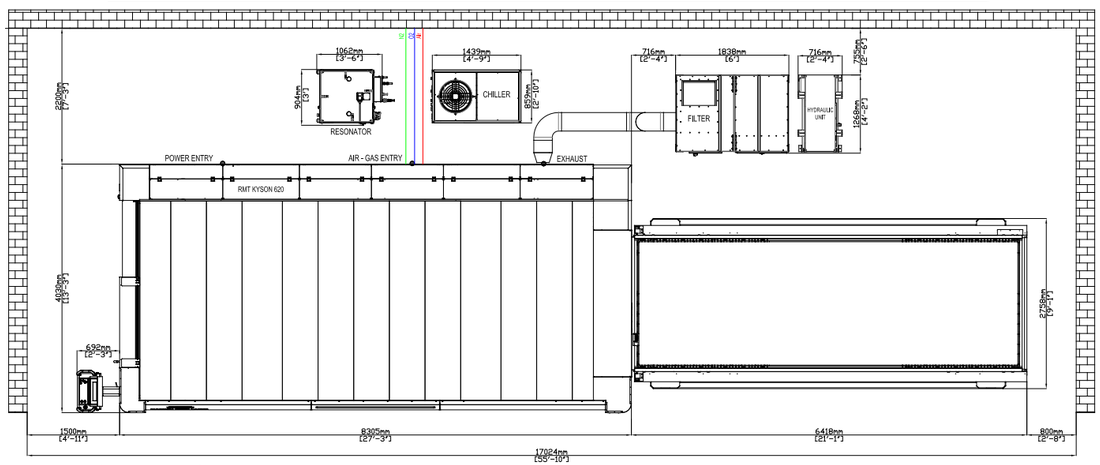
Feature		6’6” x 20’2”			
Model Number		Kyson 620-2	Kyson 620-3	Kyson 620-4	Kyson 620-6
Laser light source		2 kW	3 kW	4 kW	6 kW
Production Cutting Capacity**	Mild Steel Oxygen	.625”	.750”	.875”	1.00”
	Mild Steel Nitrogen	.250”	.250”	.312”	.312”
	Stainless Steel	.375”	.500”	.625”	.750”
	Aluminum	.312”	.500”	.625”	.625”
	Brass	.187”	.250”	.375”	.500”
	Copper	.187”	.250”	.312”	.375”
Laser Fiber Diameter *		.004” (100 µm)	.004” (100 µm)	.004” (100 µm)	.004” (100 µm)
Pulse Peak Power		2 kW	3 kW	4 kW	6 kW
Average Power Consumption (220v/460v 3ph ± 10%)		21 kW	31 kW	34 kW	38 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%			
Power Stability		± 1-2% (power monitor)			
Beam Mode		Direct			
Protection of Laser Beam		Industrial Fiber Cable			
Laser Gas Composition		N/A			
Laser Gas Consumption		N/A			
Cooling Water Flow Rate		2.64 gpm (10 l/m)	5.28 gpm (20 l/m)	5.28 gpm (20 l/m)	10.56 gpm (40 l/m)
CNC Controller & Operator Panel		15” Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card			
Axis Movement		High Speed 4 Axes Servo Motor System			
Positioning System		Rack & Pinion		Linear	
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)		7,874 IPM (200 m/min)	
Acceleration		1.5G		3G	
Additional Power Consumption		-		+ 20 kWh	
Repeatability		± .0006” (± 0.015mm)		± .0004” (± 0.01mm)	
Positioning Accuracy		± .0012” (± 0.03mm)		± .0004” (± 0.01mm)	
Axis	X, Axis	6’7” (2050mm)			
	Y,W Axis	13’3” (6200mm)			
	Z Axis	5.9” (150mm)			
Sheet Dimensions		6’6” x 20’2” (2000x6150mm)			
Maximum Load Capacity		8,818 lbs (4,000 kg)			
Shuttle Table Change Time		Double pallet system. Exchange time 65 sec with max sheet weight			
Z – Axis Distance Control		Non-Contact			
Assist Gas	Mild Steel	Oxygen 7.25 – 87 PSI (0.5-6 Bar)			
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
Cutting Head		Precitec Procutter (Auto Focus)			
CAD/CAM Software		RADAN CAD / CAM			
Machine Dimensions (L x W x H)		607” x159” x 85” (15415x4030x2155mm)			
Machine Weight		48,722 lbs (22,100 kg)			



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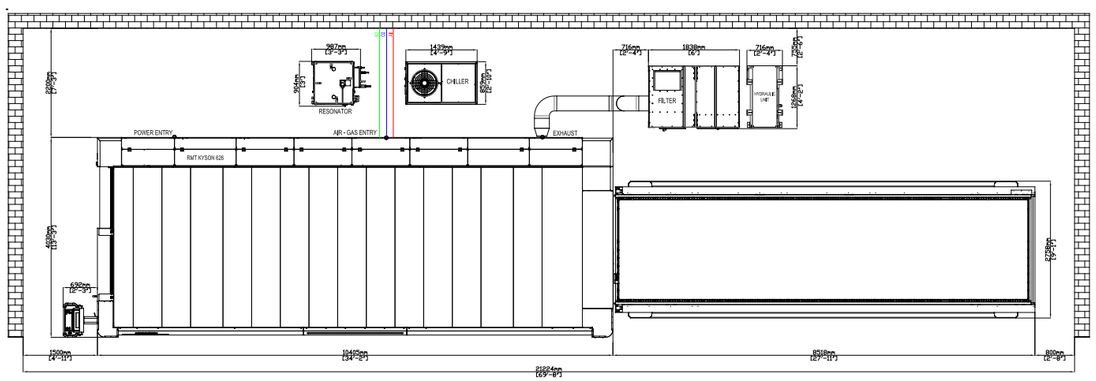
Feature		6’6” x 26’6”			
Model Number		Kyson 626-2	Kyson 626-3	Kyson 626-4	Kyson 626-6
Laser light source		2 kW	3 kW	4 kW	6 kW
Production Cutting Capacity**	Mild Steel Oxygen	.625”	.750”	.875”	1.00”
	Mild Steel Nitrogen	.250”	.250”	.312”	.312”
	Stainless Steel	.375”	.500”	.625”	.750”
	Aluminum	.312”	.500”	.625”	.625”
	Brass	.187”	.250”	.375”	.500”
	Copper	.187”	.250”	.312”	.375”
Laser Fiber Diameter *		.004” (100 µm)	.004” (100 µm)	.004” (100 µm)	.004” (100 µm)
Pulse Peak Power		2 kW	3 kW	4 kW	6 kW
Average Power Consumption (220v/460v 3ph ± 10%)		21 kW	31 kW	34 kW	38 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%			
Power Stability		± 1-2% (power monitor)			
Beam Mode		Direct			
Protection of Laser Beam		Industrial Fiber Cable			
Laser Gas Composition		N/A			
Laser Gas Consumption		N/A			
Cooling Water Flow Rate		2.64 gpm (10 l/m)	5.28 gpm (20 l/m)	5.28 gpm (20 l/m)	10.56 gpm (40 l/m)
CNC Controller & Operator Panel		15”Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card			
Axis Movement		High Speed 4 Axes Servo Motor System			
Positioning System		Rack & Pinion		Linear	
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)		7,874 IPM (200 m/min)	
Acceleration		1.5G		3G	
Additional Power Consumption		-		+ 20 kWh	
Repeatability		± .0006” (± 0.015mm)		± .0004” (± 0.01mm)	
Positioning Accuracy		± .0012” (± 0.03mm)		± .0004” (± 0.01mm)	
Axis	X, Axis	6’7” (2050mm)			
	Y,W Axis	27’2” (8300mm)			
	Z Axis	5.9” (150mm)			
Sheet Dimensions		6’6” x 26’6” (2000x8100mm)			
Maximum Load Capacity		13,227 lbs (6,000 kg)			
Shuttle Table Change Time		Double pallet system. Exchange time 90 sec with max sheet weight			
Z – Axis Distance Control		Non-Contact			
Assist Gas	Mild Steel	Oxygen 7.25 – 87 PSI (0.5-6 Bar)			
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
Cutting Head		Precitec Procutter (Auto Focus)			
CAD/CAM Software		RADAN CAD / CAM			
Machine Dimensions (L x W x H)		773” x159” x 85” (19615x4030x2155mm)			
Machine Weight		63,934 lbs (29,000 kg)			



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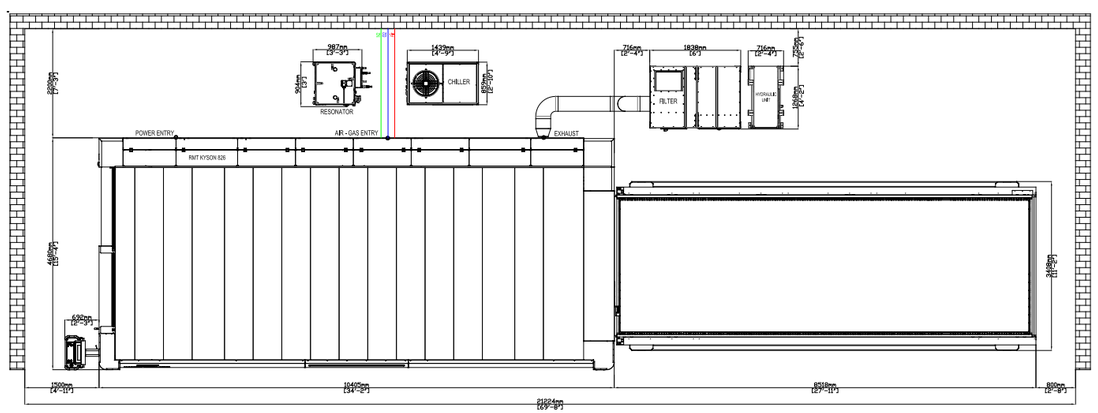
Feature		8’6” x 26’6”			
Model Number		Kyson 826-2	Kyson 826-3	Kyson 826-4	Kyson 826-6
Laser light source		2 kW	3 kW	4 kW	6 kW
Production Cutting Capacity**	Mild Steel Oxygen	.625”	.750”	.875”	1.00”
	Mild Steel Nitrogen	.250”	.250”	.312”	.312”
	Stainless Steel	.375”	.500”	.625”	.750”
	Aluminum	.312”	.500”	.625”	.625”
	Brass	.187”	.250”	.375”	.500”
	Copper	.187”	.250”	.312”	.375”
Laser Fiber Diameter *		.004” (100 µm)	.004” (100 µm)	.004” (100 µm)	.004” (100 µm)
Pulse Peak Power		2 kW	3 kW	4 kW	6 kW
Average Power Consumption (220v/460v 3ph ± 10%)		21 kW	31 kW	34 kW	38 kW
Pulse Mode		Freq: 5 - 5000Hz Duty: 0 - 100%			
Power Stability		± 1-2% (power monitor)			
Beam Mode		Direct			
Protection of Laser Beam		Industrial Fiber Cable			
Laser Gas Composition		N/A			
Laser Gas Consumption		N/A			
Cooling Water Flow Rate		2.64 gpm (10 l/m)	5.28 gpm (20 l/m)	5.28 gpm (20 l/m)	10.56 gpm (40 l/m)
CNC Controller & Operator Panel		15”Touch Display, Ethernet Enabled, 2GB RAM with 8 GB Cfast Card			
Axis Movement		High Speed 4 Axes Servo Motor System			
Positioning System		Rack & Pinion		Linear	
Axis Speed (X,Y Traverse Speed)		5,551 IPM (141 m/min)		7,874 IPM (200 m/min)	
Acceleration		1.5G		3G	
Additional Power Consumption		-		+ 20 kWh	
Repeatability		± .0006” (± 0.015mm)		± .0004” (± 0.01mm)	
Positioning Accuracy		± .0012” (± 0.03mm)		± .0004” (± 0.01mm)	
Axis	X, Axis	8’6” (2700mm)			
	Y,W Axis	27’2” (8300mm)			
	Z Axis	5.9” (150mm)			
Sheet Dimensions		6’6” x 26’6” (2600x8100mm)			
Maximum Load Capacity		17,636 lbs (8,000 kg)			
Shuttle Table Change Time		Double pallet system. Exchange time 90 sec with max sheet weight			
Z – Axis Distance Control		Non-Contact			
Assist Gas	Mild Steel	Oxygen 7.25 – 87 PSI (0.5-6 Bar)			
	Stainless Steel	Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
	Aluminum	Dry Air or Nitrogen 7.25 - 362 PSI (0.5-25 Bar)			
Cutting Head		Precitec Procutter (Auto Focus)			
CAD/CAM Software		RADAN CAD / CAM			
Machine Dimensions (L x W x H)		773” x185” x 85” (19615x4680x2155mm)			
Machine Weight		68,343 lbs (31,000 kg)			



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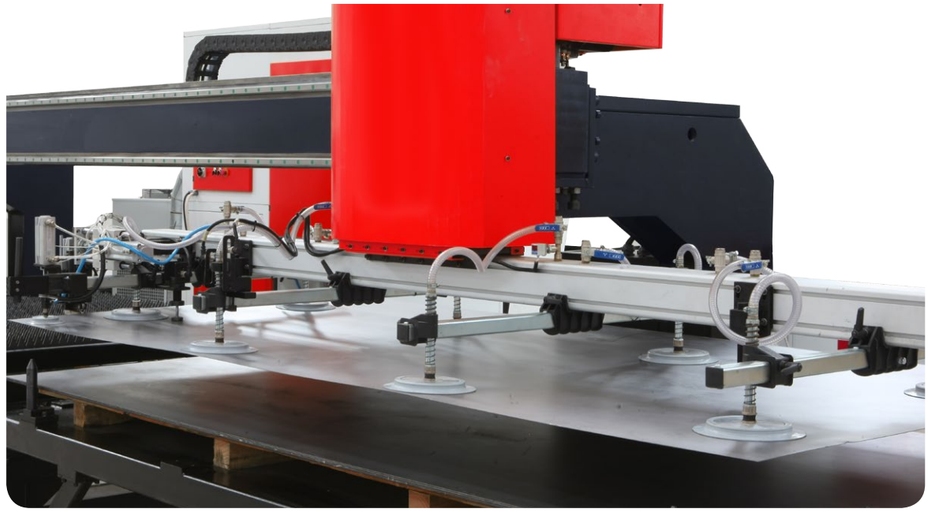
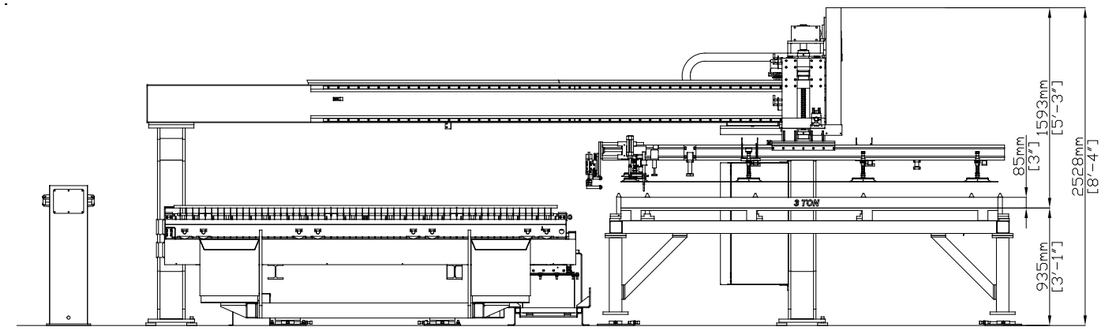
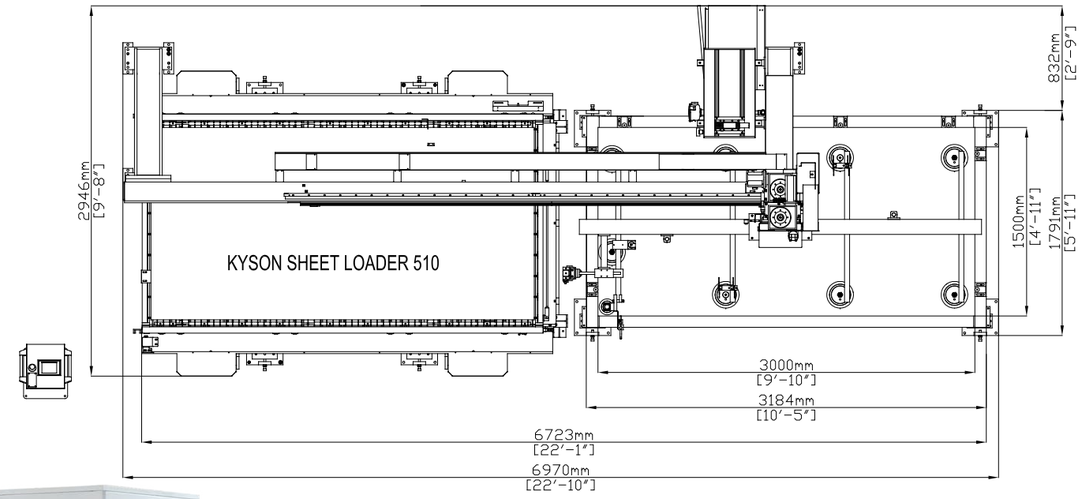
SHEET LOADER

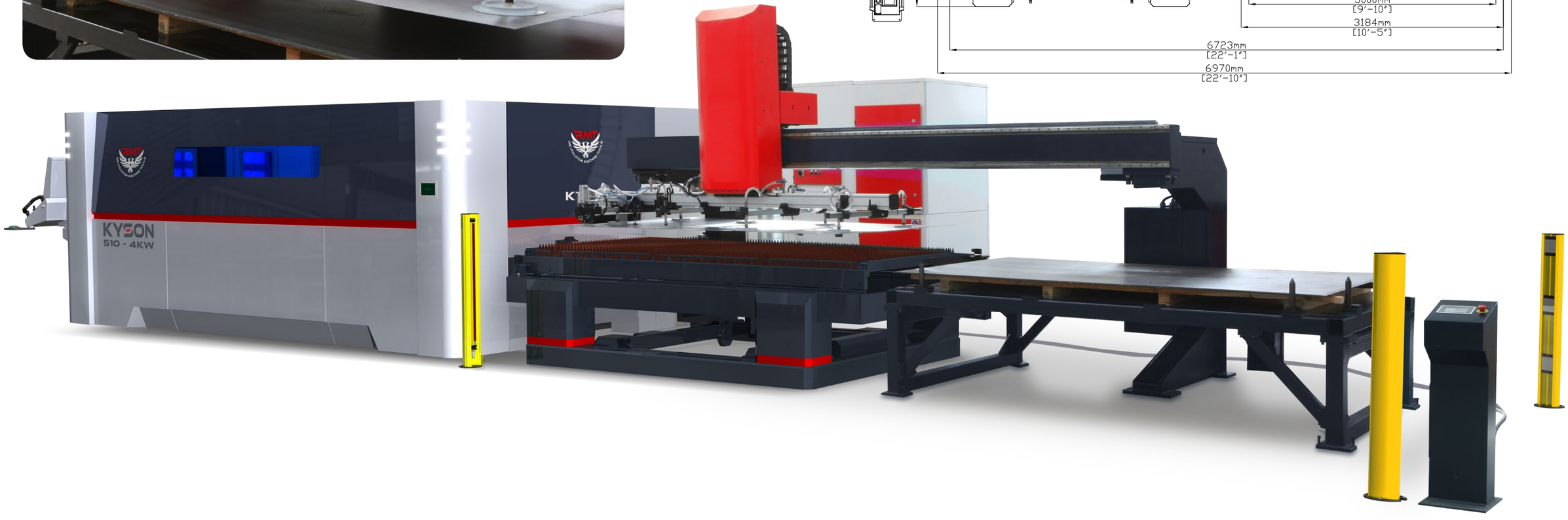
At RMT we are always looking for ways to make you, your shop, and your team more efficient. Adding a sheet loader to your KYSON Fiber Laser allows you to minimize the load time (and manpower needed on thicker and heavier material) so the next sheet is always ready to cut. If you measure your cutting capacity in parts per hour, you will see a significant increase by adding the sheet loader.

Furthermore, a sheet loader allows for precise placement of the sheet on the table which keeps your parts generally scratch free which is just not possible with manual sheet positioning.









COMPACT SERVER

The COMPACT SERVER produced by SPR is a system used for the unmanned loading/unloading management of metal sheets for 2D laser machine 1500x3000mm metal sheets. It was created from the familiarity of the loading/unloading system, and has been tested with the same materials and functionality to guarantee high level reliability, highly flexibility and ease of use.

COMPACT SERVER is composed of the following units:

a) A structure to be placed over the pallet changing system with one loading pallet and one unloading pallet

b) A suction cup axis for lifting raw metal sheet

c) A comb device for loading/unloading the metal sheet

d) A Z axis for moving the comb device

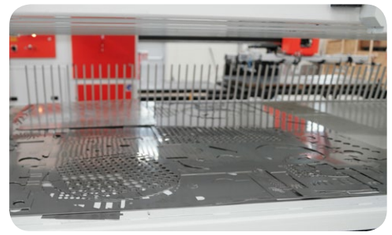
The SPR system has been measured to be delivered without being dismounted. It is placed over the laser machine pallet changing system to reduce the footprint. The extremely compact structure is made of electro-welded steel. It is composed of two pallets with the upper pallet used for loading raw metal sheet and the lower pallet used to unload the metal sheet that has been processed. In the standard version the loading pallet is fixed at the structure and the unloading pallet is movable.

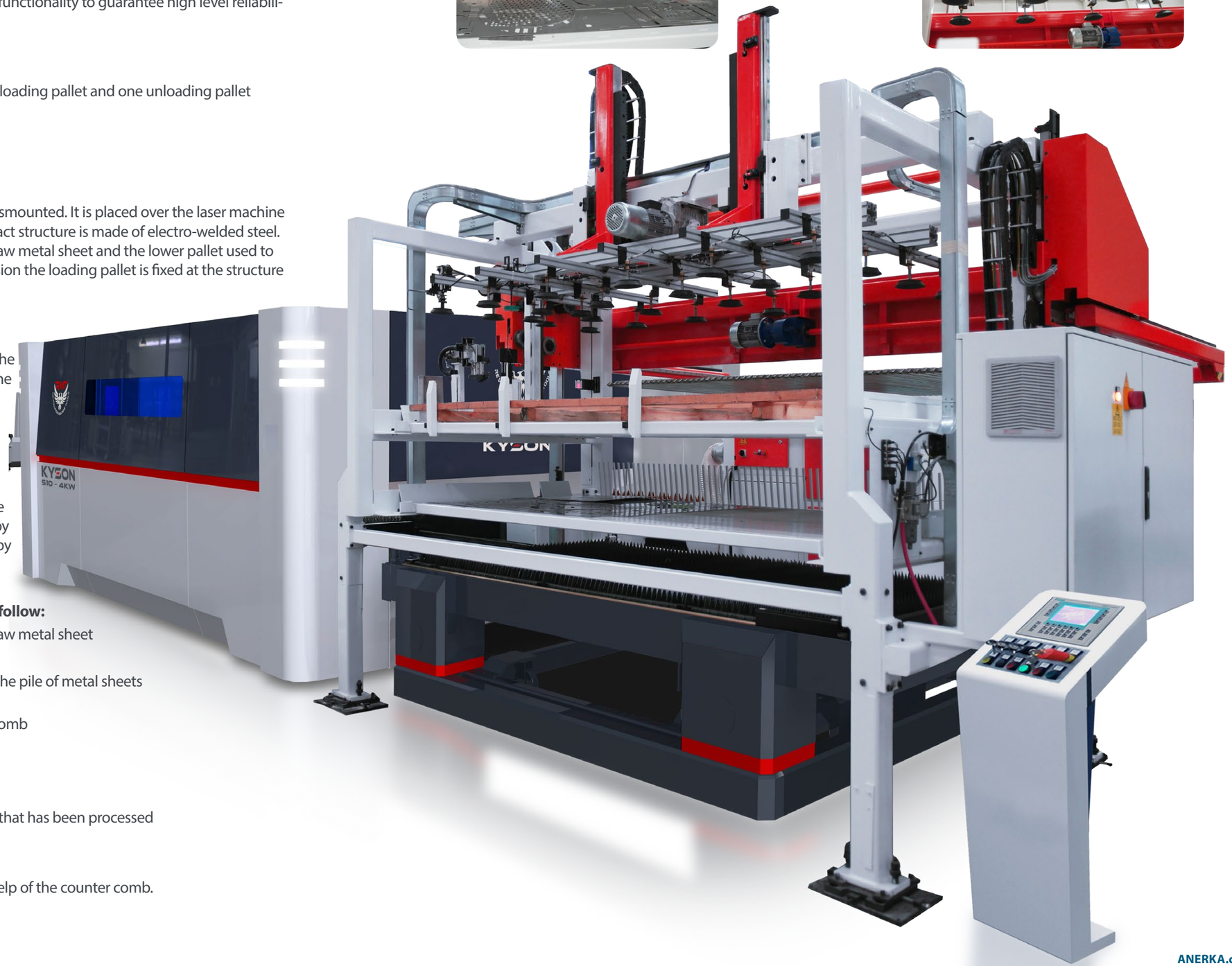
Suction cup device for lifting raw metal sheet

The arm is equipped with a suction cup device which is placed over the loading pallet. You can then lift the raw metal sheet and feed it into the comb device under the metal sheet lifter.

Comb device for loading/unloading metal sheet on to the pallet changing system

The comb device works in-between the fins of the bench of the changing pallet system and deposits raw metal sheet and collects the metal sheet that has been processed. The movements are operated by an asynchronous engine which lifts along the Z axis and is operated by a CNC brush-less engine.





The OPERATIONAL SEQUENCE of COMPACT SERVER operates as follow:

1) The descent of the suction cup device onto the pile to collect the raw metal sheet

2) The lifting of raw metal sheet

3) The introduction of the comb between the lifted metal sheet and the pile of metal sheets underneath.

4) The descent of the grip and the release of the metal sheet on the comb

5) The exit of the comb with the metal sheet on board.

7) The positioning of the metal sheet on the changing pallet system

8) The return of the comb to the stand-by position

9) At the end of the working cycle the comb collects the metal sheet that has been processed

10) The entrance of the comb over the loading pallet

11) The lowering of the comb

12) The exit of the comb to unload the processed material with the help of the counter comb.

MULTI SERVER

Full Automatic Sheet Loading & Unloading System equipped with devices such as:

• An automatic separation of the metal sheet from the pile (heap). The sheets are carried by a magnet and suction cups.

• Thickness measuring control: Measure the thickness of the metal sheet before loading and ensures the reliability of the system during unmanned operation. If the thickness is not to the requirements of the laser machine cycle, the separation cycle is repeated.

• Verification of the height of the unloaded metal sheet to avoid unloading of processed metal sheets, onto the unloading pallet, when the maximum height allowed has been reached.

• Z axis fall safety device: Avoid falls of the Z axis (the one that has a comb). Pneumatic cylinders block the fall of the comb arm by entering into specific positioned areas every 7-9 inches.

• Fixed fencing system and photocell protection

• Magnetic Stripper: Supports the suction cups handler when separating metal sheets

• Air Jet Blower: Separates the metal sheet to prevent them from adhering together

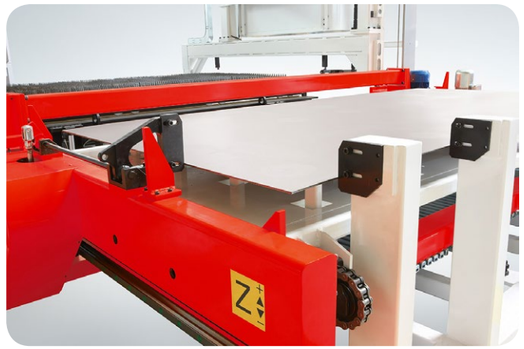
• Sheets Pneumatic Stripper: Moves independently up and down to separate the metal sheets

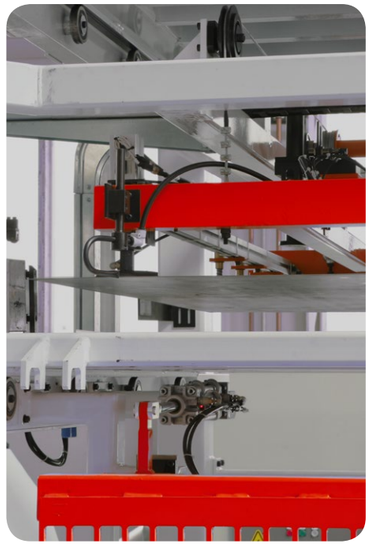
• Siemens brand controller supports up to 28 material codes in the system

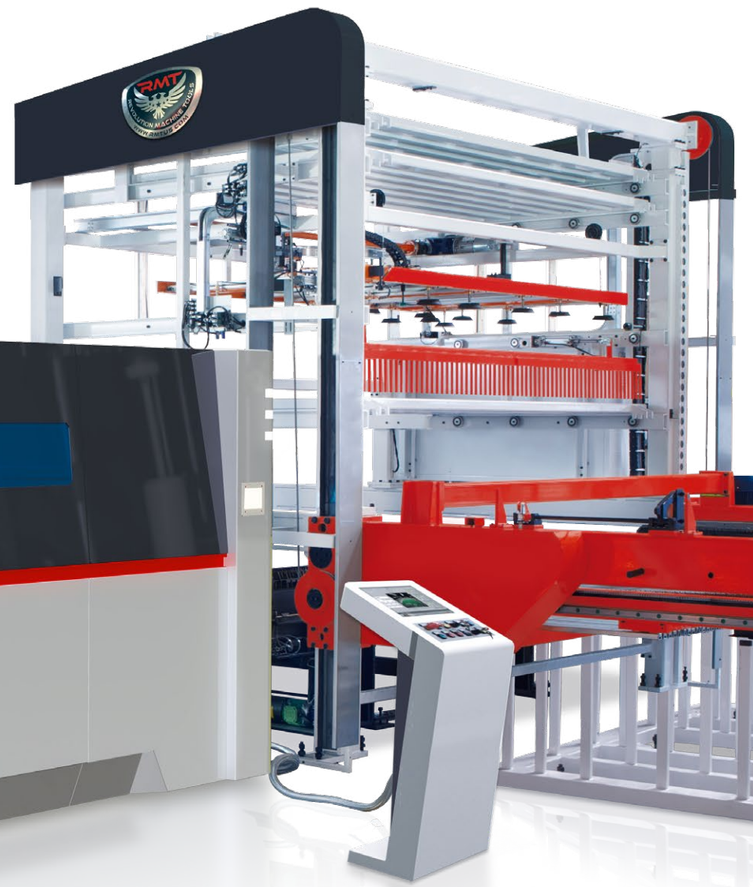
• Open system for the robot configuration

• 5-7 inch touch screen with keypad (system can be run with touch screen or keypad)

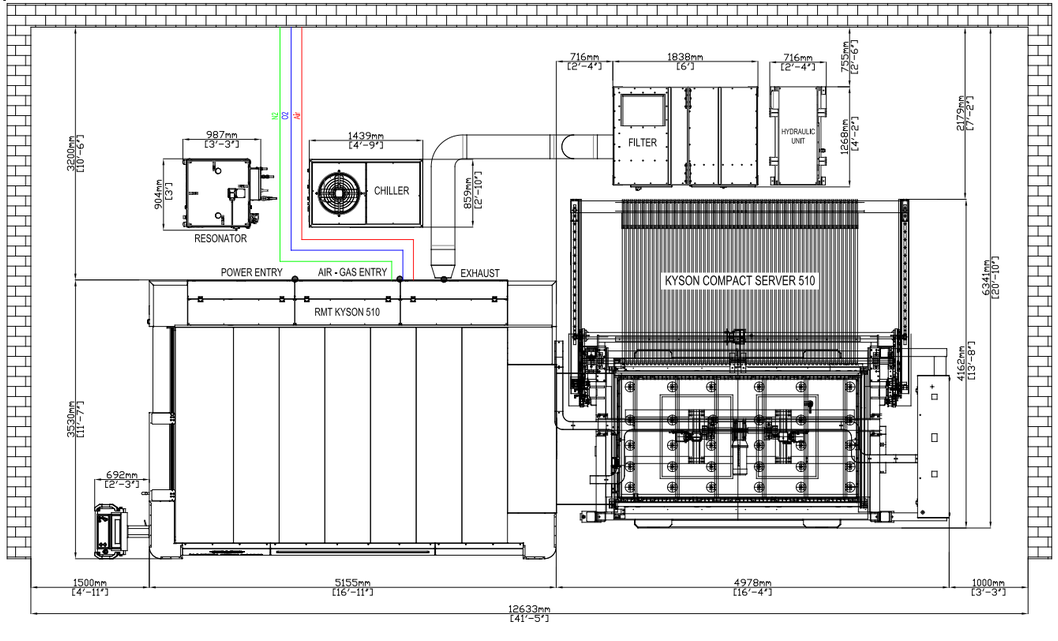
• Minimum of three pallets for the stock area and can be customized up to 15 pallets with each load holding 6610 pounds.



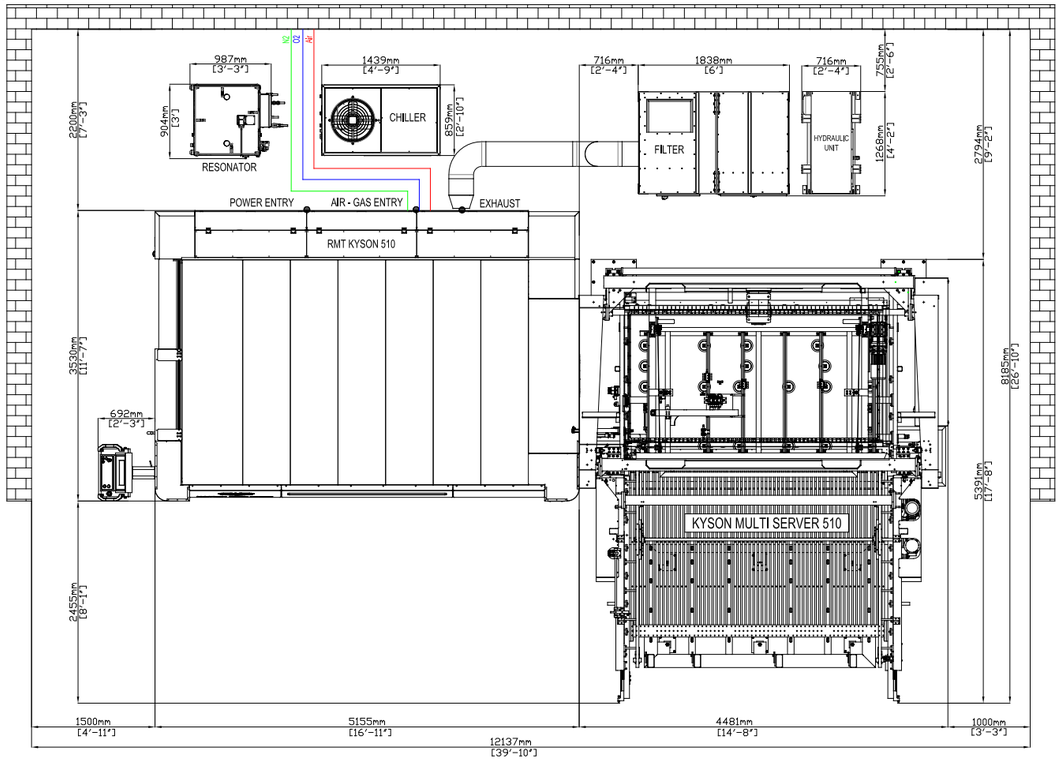




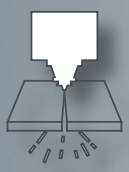
Feature	COMPACT SERVER
Sheets metal sizes	up to 60"x120" (1524x3048mm)
Sheet thickness	(min: 24 Ga - max: 3/4") (0.5mm - 20mm)
Payload per pallet	6613 Lbs (3000 Kg)
Loading height	max. 5.9" (max. 150 mm)
Unloading height	max. 5.9" (max. 150 mm)
Overall dimensions	97" x174" x 119" (2460x4400x3000mm)
Z axis stroke	47.24" (1200mm)
Z axis speed	433 IPM (11,0 m/min)
Horizontal comb stroke	63" (1600mm)
Comb speed	393 IPM (10,0 m/min)
Suction cups vertical stroke	13.78" (350 mm)
Suction cup speed	98 IPM (2.5 m/min)
Working cycle	120 seconds
Power and control unit	SIEMENS



Feature	MULTI SERVER
Sheets metal sizes	up to 60"x120" (1524x3048mm)
Sheet thickness	(min: 24 Ga - max: 3/4") (0.5mm - 20mm)
Payload per pallet	8818 Lbs (4000 Kg)
Loading height	max. 3.34" (max. 85 mm)
Unloading height	max. 3.34" (max. 85 mm)
Overall dimensions	213" x177" x 119" (5391x4481x3000mm)
Pitch	7.87" (200mm)
Z axis speed	591 IPM (15,0 m/min)
Horizontal comb stroke	63" (1600mm)
Comb speed	393 IPM (10,0 m/min)
Suction cups vertical stroke	13.78" (350 mm)
Suction cup speed	98 IPM (2.5 m/min)
Working cycle	180 seconds
Power and control unit	SIEMENS

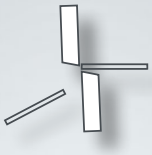


KYSON

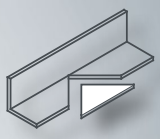


Fiber Lasers

Press Brakes



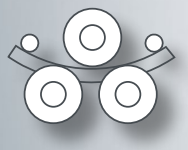
Shears



Ironworkers

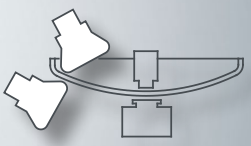
Bandsaws

Plate Rolls



Angle Rolls

Dishing Presses



Flanging Machines

Drilling Machines

"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."
Henry Ford

Authorized Dealer

Revolution Machine Tools

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2016/6 Nerminer Design

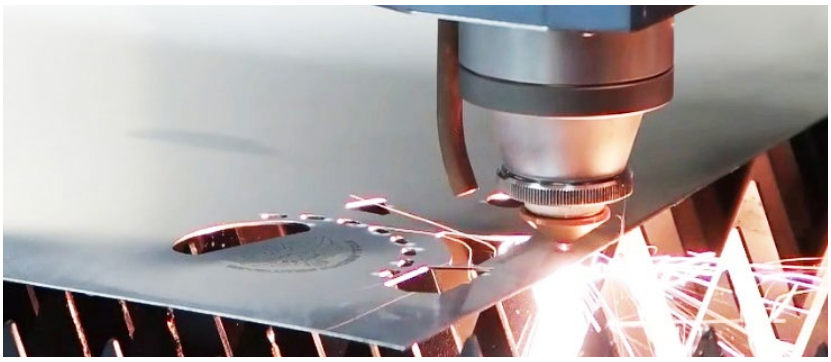
PRESS **BRAKES**

Some of the Revolution Machine Tools Team

Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We have partnered with leading manufacturers to build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are and Kyle has built his reputation on those principles. RMT is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.



RMT offers several innovative machines including Fiber Lasers, Press Brakes, Plate Rolls, Ironworkers, Angle Rolls, Shears, Structural Steel Drills, Band Saws, and much more. All RMT product designs are built for durability, precision, repeatability, and speed.

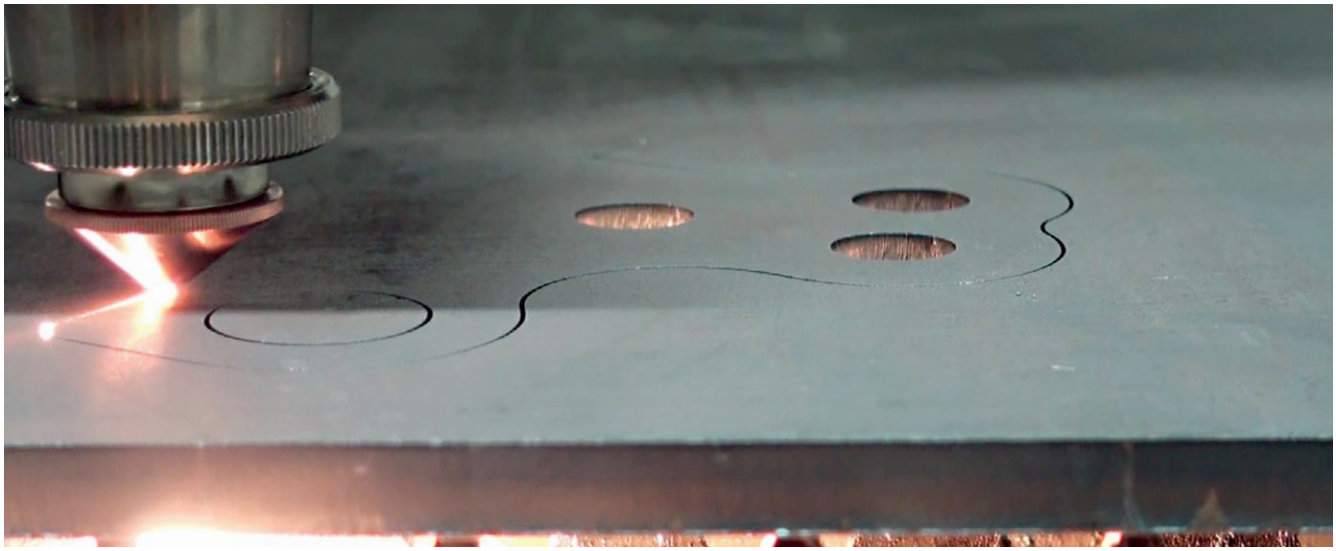
Kyle Jorgenson / President

With the fabulous growth and popularity of RMT machinery in the United States, we started receiving many requests from customers in Europe, the Middle East, Africa, and Asia.

We are proud to have partnered with ANERKA as our International arm of RMT and the only authorized dealer for RMT products outside of the United States.

ANERKA is led by trusted industry professionals who are dedicated to helping customers get the machinery they need to help their company grow and become more successful. With RMT and ANERKA, customer service is number one!

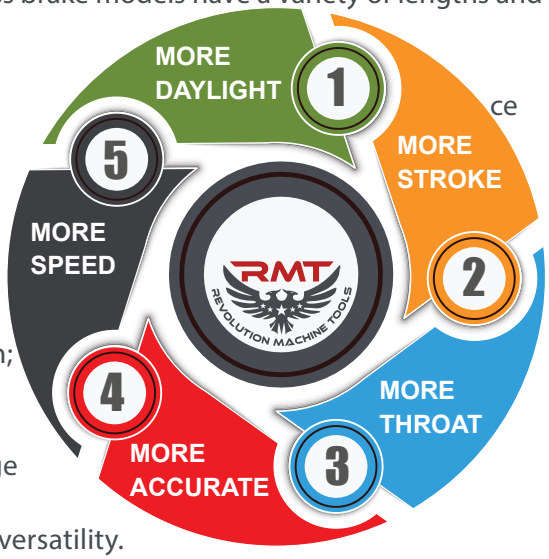
STEVE LARSEN / COO
REVOLUTION MACHINE TOOLS



We take pleasure in helping our customers to be successful.
Many of our customers have become lifelong friends which has carried over through several generations.

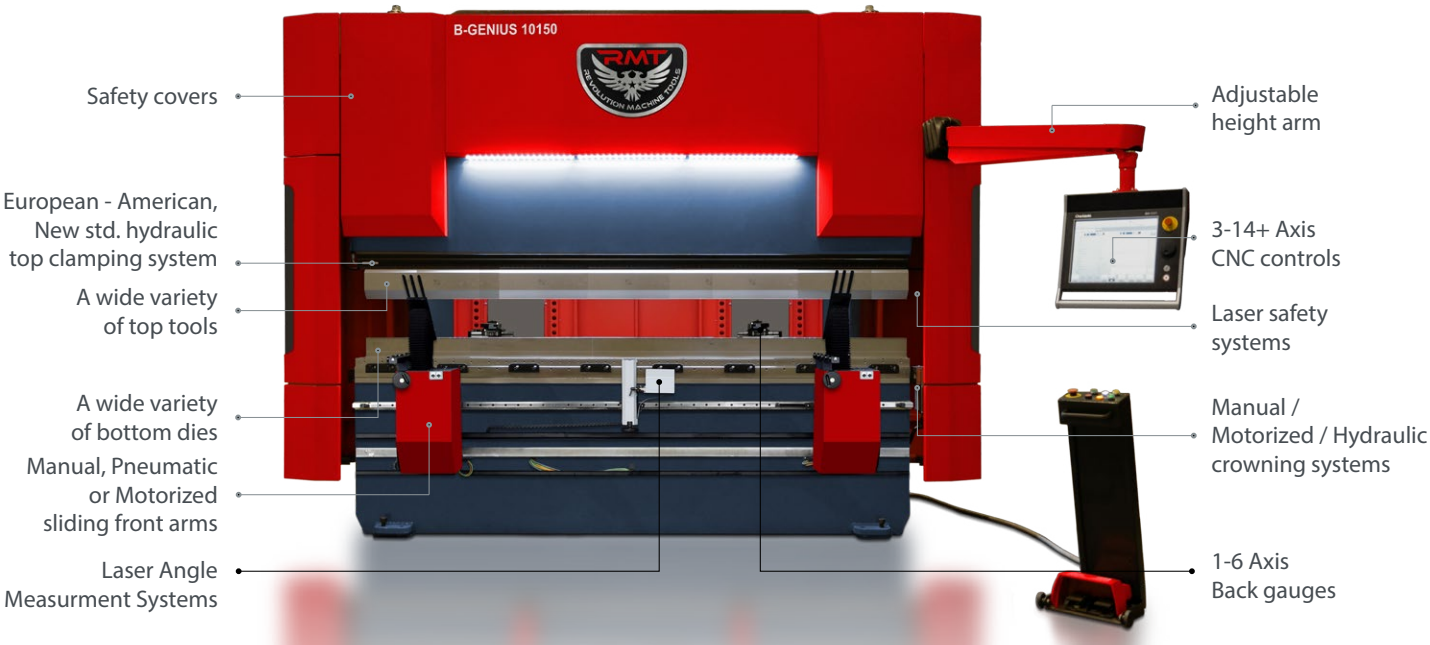
BENEFITS OF **RMT PRESS BRAKES**

What better benefit can a machine provide than adding to your bottom line. RMT press brakes do this by helping you produce higher quality parts faster than ever and all with lower operating and maintenance costs. RMT has a press brake to match your needs and budget whether your application requires bending complex parts or simple shapes. RMT press brakes have been designed to be precise, reliable, and high performing with easy operation. We have a solution for every manufacturing environment and offer several models of press brakes with multiple features and options. Each of our press brake models have a variety of lengths and tonnages and can be customized to your requirements.



All RMT press brakes have been designed for high performance and enhanced with five main innovations to increase your productivity while decreasing your cost per part including:

1) A rigid mono-block frame constructed from mill certified high-yield steel for dependable performance;
2) Quality precision ram positioning accurate to within 0.0004 inch provided by dual cylinders and rams for stable ram motion;
3) A deeper throat allows you to use the full length of the machine to form more parts;
4) The increased daylight opening accommodates a larger range of parts;
5) More stroke length which provides additional flexibility and versatility.



We have many solutions available, or we can configure a machine to perfectly match your needs.

B-ECO SERIES

Standard 3 Axis CNC
4' - 5' Bending Lengths · 33, 44, 66, 88 Tons

Working on small or fine parts? Our B-ECO series brakes were made to work on small parts with low operation costs. The B-ECO series have some of the same capabilities as our larger series brakes like syncro CNC three axis control.
See pages 35-36.

B-SMART SERIES

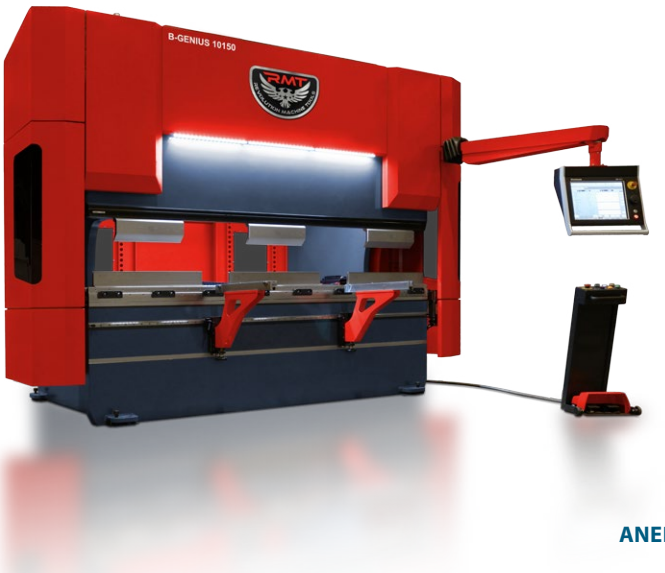
Standard 3 Axis CNC (Y1,Y2,X) up to 5 Axis
6' - 20' Bending Lengths / 70-500 Tons
Tandem Applications
(for example, 2 x 20' = 40' bending capability)
Flush floor machines to 20' x 500 Ton

The B-Smart Series press brakes have larger daylight, throat depth and stroke for more cost effective production and versatility.
See pages 37-40.

B-GENIUS SERIES

Standard 5 Axis CNC Available 14+ Axis
6' - 20' Bending Lengths / 70-500 Tons
Tandem / Trio / Quad Applications
Flush Floor Machines to 20' x 500 Ton

The B-Genius Series press brake features an automatic CNC crowning system for improved quality, a servo driven back gauge system for increased speeds, and a 3D capable graphical control unit to simulate bending sequences and collision points.
See pages 41-44.



Features	B-ECO	B-SMART	B-GENIUS
Tonnage Range	33-88	67-500	67-500
Bending Length Range	4′ - 5′	6′ - 20′	6′ - 20′
Custom Lengths and Tonnages	N/A	O	O
Recommended Air Bending Sheet Metal Thickness Range	16 Ga - 1/4″	24 Ga - 5/8″	24 Ga - 5/8″
Obtainable Production Tolerances	Medium / Fine		
Part Geometries (without experienced operator)	Simple / Moderate / Complex		
Production Speed	Medium / High		
Controls	Tandem-Trio-Quad configurations	N/A	O	O
	DELEM DA-52S	S	S	N/A
	DELEM DA-56S Graphical	O	O	N/A
	DELEM DA-66T Graphical Touchscreen	N/A	N/A	S
	DELEM DA-69T 3D Graphical Touchscreen	N/A	N/A	O
	Cybelec CNC Controls	O	O	O
	Adjustable height suspension control unit arm	N/A	S	S
Offline Software	Profile W Offline Software for DA-56S	O	O	N/A
	Profile T Offilne Software for Delem 66T 69T	N/A	N/A	O
	Radbend Offline Software	N/A	N/A	O
Part Measurement Systems	Angle Measurement	N/A	N/A	O
	Part-Material Thickness Detection	N/A	N/A	O
Laser Bend Line	Laser Bend Line	N/A	O	O
Additional Foot Pedals	Additional foot Pedals	N/A	O	O
Horn	29″ + Horn left or Right Side	N/A	O	O
Throat Depth	Optional Additional Throat Height and Depth to 60″	N/A	O	O
Open Height	Additional Open Height above Standard Height	N/A	O	O
Stroke	Additional Stroke Length above Standard length	N/A	O	O
Robotic Systems	Robotic Prep - Systems	N/A	N/A	O
Special Color	Special Colour	O	O	O
Air Conditioning	Air Conditioning for Electrical panel	O	O	O
Back Gauge	1 Axis Back Gauge X Axis	S	S	N/A
	2 Axis Back Gauge X,R Axis	O	O	S
	4 Axis Back Gauge X,R,Z1,Z2 Axis	N/A	N/A	O
	5 Axis Back Gauge X,R,Z1,Z2 + X Prime +/- 5″ Axis	N/A	N/A	O
	6 Axis Back Gauge X1,X2,R1,R2,Z1,Z2, Axis	N/A	N/A	O
	Custom Back Gauge Fingers	O	O	O
	Back Gauge Support Systems (For Material-Parts)	O	O	O
	Increased X Axis Back Gauge Travel to 40″ with Safety Light Barrier	N/A	O	O
	Double guide rail backgauge system	N/A	S	S
	Increased Back Gauge Travel-To Customers Requirement	N/A	O	O
Crowning	Manual Crowning	O	S	N/A
	CNC controlled motorized Crowning	N/A	O	S
	CNC controlled Hydromechanical Crowning	N/A	N/A	N/A
Safety Systems	Laser Finger protection	S	N/A	N/A
	MANUAL F. AKAS II M	O	S	S
	MOTORIZED F. AKAS III M	N/A	N/A	O
	SICK C4000 Light Curtain Systems	O	O	O

S = Standard / O = Option / N/A = Not Applicable

Hydraulic Oil Included in machines up to 250 Ton machines

Features		B-ECO	B-SMART	B-GENIUS
Sheet Followers	Sheet follower with sliding guide- With Motorised height adj. 275 lbs Each	N/A	N/A	O
	Sheet follower with sliding guide- With Motorised height adj. 550 lbs Each	N/A	N/A	O
	Hydraulic heavy duty type front arms	N/A	N/A	O
	Parking Station for Front support arms or Sheet Followers	N/A	N/A	O
Front Support Arms	Front support Arms	S	N/A	N/A
	Multiple Sliding Front Arms with T-Slot , Tilting stop and full length linear guide	O	S	S
Feeding Systems	F1-F2 Front feeding system with supports	N/A	N/A	O
	F1-F2 Front feeding system with supports + System for Light Poles	N/A	N/A	O
	X1 -X2 Axes with 50" + Travel (light pole)	N/A	N/A	O
Loading Systems	Feeding Automation - Conveyor systems- Cranes- Loaders	N/A	N/A	O
Extraction Systems	Part Removal- Extraction systems	N/A	N/A	O
Top Tools	RMT Common Precision Ground, 3.78" Tall Full Length Segmented American Goose Neck Punch	O	S	S
	Common Precision European Style Punch (Option- No Charge, if Traded for American Punch)	S	O	O
	Top "Punch" Tooling Common- Special Application (Infinite Possibilites)	O	O	O
Top Tool Clamping	Section Clamps with localized height adj. max load 30 Tons per foot (up to 250 Ton)	O	S	S
	Section Clamps with localized height adj. max load 53 Tons per foot (350+ Ton)	N/A	S	S
	Manual Quick Release Section Clamps	O	O	O
	Manual-Mechanical Wila Top - NSCL-I-MC/UPB - PRO Max Load 60 Tons per Foot	N/A	O	O
	Hydraulic Wila Top - NSCL-I-HC/UPB - PRO Max Load 60 Tons per Foot	N/A	O	O
	Hydraulic Wila Top - NSCL-II-HC/UPB - PREMIUM Max Load 84 Tons per Foot	N/A	O	O
	RMT Top Clamping - Max Load 120 Tons per Foot	N/A	N/A	O
	RMT Top Clamping - Hydraulic - Roller Type- Max Load 134 + Tons per Foot	N/A	N/A	O
	Wila HYD Standard 'HD" Heavy Duty Clamping Max Load-Head load 84, Shoulder Load 269 Tons per Foot	N/A	N/A	O
Bed Cap	Change from Standard Bed Cap- Wider or Narrower	O	O	O
Bottom Tools	RMT 4 Way Die (2.36" Square) with 4V Die 85° with 5/8", 7/8", 1-3/8" ,2" Openings	O	S	S
	Full Length Multi V Die Block with Hardened radius shoulders	S	O	O
	Manual Adjustable V Die with opening from 1.18" to 14" - with roller Radius shoulders	N/A	N/A	O
	CNC Adjustable V Die with opening from 1.18" to 14" - with roller Radius shoulders	N/A	N/A	O
	Bottom Tools Common Stock - to Special Application (Infinite Possibilites)	O	O	O
Die Block-Holder	RMT Universal Die block/rail flat bottom, Accepts 2.36" (60mm) Square 4 Way, + has Slot for American or New Standard Single V Dies	O	S	S
	Full Length European Style U Type Flat bottom Die Block 60mm (2.36" wide opening)	O	O	O
	Full Length Die Block, from Common stock to Custom's (Infinite Possibilites)	O	O	O
Bottom Tool Clamp Systems	Wila Manual MC Bottom - NSCR-I-MC-CNC/UPB - PRO- Max load 67 Tons per Foot	N/A	O	O
	Wila Hydraulic MC Bottom - NSCR-I-HC-CNC/UPB - PRO- Max load 67 Tons per Foot	N/A	O	O
	Wila Hydraulic Bottom - NSCR-II-HC-CNC/UPB-PREMIUM - Max load 100 Tons per Foot	N/A	N/A	O
	Wila Hydraulic Bottom -Clamp- HD Pro-Max Load 168 Tons Per Foot - HD Premium 269 Tons Per Foot	N/A	N/A	O
Tool Positioning systems	Pneumatic bottom Tool positioning systems	N/A	N/A	O
	Hydraulic bottom Tool positioning - Separation systems	N/A	N/A	O
Powerpack for Hyd. Clamping	Powerpack for all Hyd. Clamping	N/A	N/A	O

Press Brake Bending Tonnage Chart (tons per ft. of bend @ specific die opening / radius)

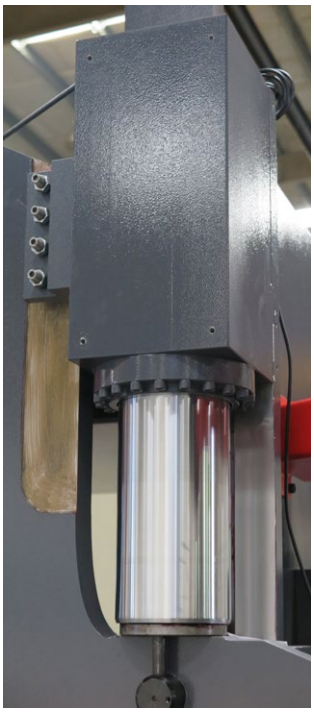
THICKNESS		WIDTH OF LOWER DIE OPENING																					
Gauge	Inches	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6	7	8	10
20	.036	3.1	2.3	1.8	1.4	1.2	1.0																
18	.048	5.4	4.0	3.1	2.5	2.2	1.7	1.3			Shaded box represents the OPTIMUM lower die opening / radius for given thickness.												
16	.060	9.6	7.1	5.6	4.5	3.8	2.8	2.2	1.8	1.5													
14	.075		11.9	9.3	7.6	6.4	4.7	3.8	3.0	2.5	2.1	1.9											
13	.090						6.8	5.5	4.3	3.7	3.3	2.9			Values are based on Mild Steel, AIR bent to 90 Degrees.								
12	.105			20.5	16.7	13.5	10.4	7.7	6.5	5.6	4.4	4.1	3.2	2.2									
11	.120					18.5	13.9	10.9	8.8	7.5	6.2	5.6	4.3	3.2	2.2								
10	.135					25.2	17.2	14.5	11.3	9.9	8.5	7.3	5.7	4.0	2.9	2.3							
9	.150									13.1	11.9	9.0	7.0	5.2	3.7								
3/16	.188							27.4	23.1	19.3	16.4	14.3	11.2	7.6	5.8	4.5							
1/4	.250									39.4	33.3	29.5	22.7	15.4	11.5	9.1	7.5	6.2					
5/16	.313		Tonnage adjustment for materials OTHER than Mild Steel:									50.4	39.8	27.0	19.7	16.0	12.7	10.6	7.7				
3/8	.375		Soft Aluminum & Brass = 50% LESS pressure than Mild Steel										61.1	42.3	30.9	24.0	19.6	16.3	12.3	9.5			
7/16	.437		Aluminum Alloys and/or Heat Treated Aluminum = Same as Steel											61.7	45.8	35.4	28.6	24.4	17.3	14.8	11.2		
1/2	.500		Stainless Steel = 50% MORE pressure than Mild Steel											85.2	63.6	48.8	39.7	33.3	24.6	19.4	15.9	13.1	
5/8	.625														110.0	86.2	70.0	58.3	43.1	33.3	27.4	23.3	16.9
3/4	.750																110.0	93.0	69.0	53.5	43.6	36.5	27.1
7/8	.875																	137.0	104.0	80.7	64.6	52.9	39.7
1	1.00																		143.0	113.0	91.2	76.2	56.3
Formed Radius		1/32	3/64	1/16	5/64	5/64	3/32	1/8	9/64	5/32	11/64	3/16	15/64	5/16	25/64	15/32	25/64	5/8	25/32	15/16	1-3/32	1-1/4	1-9/16
Min. Flange Dim.		3/16	7/32	1/4	9/32	5/16	7/16	1/2	5/16	5/8	11/16	3/4	15/64	1-3/16	1-7/16	1-3/4	2	2-1/4	2-3/4	3-3/8	4	4-1/2	5-1/2

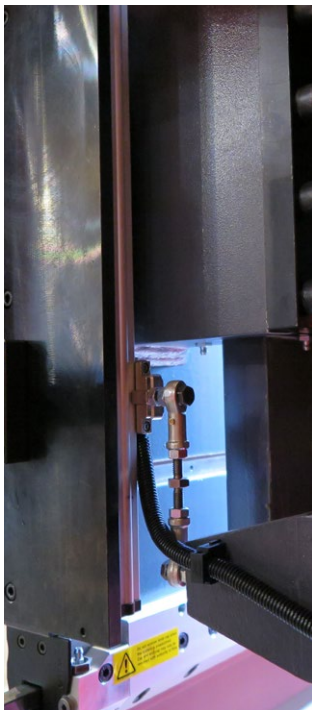
ENLARGED WORKING SPACE

The RMT press brake has oversized openings, throat, and stroke to assist with the production of large parts and provides clearance when bending parts with large flanges.

RAM GUIDING & POSITIONING

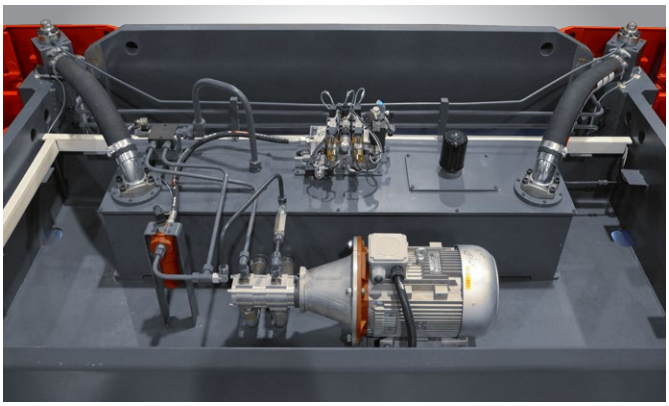
The ram is guided by four slideways. There are two inner slideways located above the ram and two outer slideways located at the bottom.
The ram is also tiltable for conic bending applications. Slide location allows for easy adjustment and maintenance.
The high precision linear encoders control the position of the ram.





HYDRAULIC SYSTEM

Hydraulic proportional direction and pressure control valves (Hoerbiger) determine the position of the ram. Safety valves protect against overloads and high pressure and can warn the operator or even stop the machine.



Y1-Y2 RAM POSITIONING SYSTEM

The Ram positioning system consists of independently controlled cylinders and linear encoders which are attached on each side of the sub frame and automatically compensates for any yaw. The servo hydraulic valves, the CNC command center and the linear encoders provide accessibility to program the position, speed, and tilt as well as superior accuracy. The programmability of this system along with custom decompression point and programmable speed is very helpful when bending large sheets.

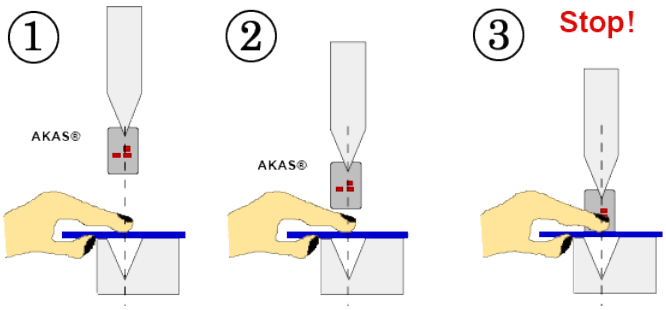
SAFETY SYSTEMS

MANUAL F. AKAS II M

Point of operation safety is the responsibility of the owner and operators. RMT machines can be equipped with ram-mounted AKAS-LC Safety Light Guards which are located at the bend level and centered around the location of the punch tip. The laser system is fixed to the ram and follows the ram or punch tip allowing for a continuous safety light grid allowing for maximum safety without interfering with workflow.

MOTORIZED F. AKAS III M

An Akas motorized receiver-transmitter adjustment system can be installed on your machine which is adjustable to set the height of the receiver and transmitter to allow for punch changes and will automatically reset after different punch dimensions are installed.



CONTROL SYSTEMS

DELEM DA-52S

The compact DA-52S is a complete CNC solution for Y1-Y2 synchronised press brakes. The panel based control, capable of controlling up to 4 axes, can be integrated in cabinets as well as in an optional pendulant arm housing.

Equipped with the Delem userfriendly interface, the DA-52S provides all main press brake functionality. The unique 'hotkey' navigation gives direct access to the programs in memory and enables quick and easy programming of a product.

All common bend parameters are located on one page. For advanced parameters an additional page can be selected. Angle programming of the Y-axis, crowning function and pressure control are standard on board.
USB interfacing enables the use of memory sticks as a fast product and tool backup medium.

Features of the Delem DA-52S Control Unit

- Quick, one page programming
- Hotkey navigation
- 7" widescreen color TFT
- Up to 4 axes (Y1, Y2, and 2 auxiliary axes)
- Crowning control
- Tool/material/product library
- USB, peripheral interfacing
- Advanced Y-axis control algorithms for closed loop as well as open loop valves
- Panel based controller with optional housing

Standard
- Synchronised / conventional press brake control
- Color LCD display
- 7" widescreen TFT
- LED backlight
- 266 MHz processor
- Short travel keyboard technology
- Memory capacity 64 MB
- Tool library
- 30 punches
- 30 dies
- Data backup / restore via USB
- Power-down memorisation
- Integrated valve amplifier

Programming
- 7 digits program number
- 20 character drawing number
- Stock counter (up to 9999)
- Step repetition (up to 99)
- Millimeter / Inch
- One page programming table
- 'Teach-in' on all axes
- Radius programming (bumping)
- Programmable axis speed per step
- Programmable material properties
- 30 punches

Computed
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Bottoming force
- Angle correction database

DELEM DA-56S

The compact DA-56S provides easy CNC programming with the Delem 2D graphical product design tool. Machine adjustment and test bends are reduced to a minimum because of the quick and easy to use bend sequence determination tool.

The CNC program is generated with a one touch key stroke. You are ready to make the first part since all axes positions are automatically computed and the bend sequence has already been simulated on the screen with the machine and tools in real scale. In the production mode of the DA- 56S the operator can graphically simulate the bend process of the product guiding him during the press brake operation.

The basic machine control functions are Y1-Y2 and X axis, a second back gauge axis can be used as R/Z or X2 axis. Also the crowning function is standard.

Features of the Delem DA-56S Control Unit

- 2D graphical programming
- 10.4" LCD TFT color display
- Bend sequence determination
- Developed length calculation
- Crowning control
- USB peripheral interfacing
- Servo, frequency inverter and AC control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.

Standard

- Synchronised / conventional press brake control
- Color LCD display
- LED backlight
- 10.4" TFT, 800x600
- 500 MHz processor
- Short travel keyboard technology
- Memory capacity 256 MB
- Tool library
- 30 punches
- 60 dies
- Data backup / restore via USB
- Power-down memorisation
- Integrated valve amplifier

Programming

- 7 digit program number
- 20 character drawing number
- Stock counter (up to 9999)
- Step repetition (up to 99)
- Millimeter / Inch
- Programmable axis speed per step
- Programmable material properties
- 2D product programming and visualization
- Graphical bend sequence determination
- Fast collision check
- Free programmable tools
- Graphical tool programming
- Radius programming (bumping)

Computed

- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Bottoming force
- Angle correction database
- Developed length
- Auto bumping calculation

DELEM DA-66T / 69T

The new generation DA-Touch controls offer an even higher grade of efficiency in programming, operation and control of today's press brakes. Ease of use combined with state-of-the-art technology go hand in hand, improving productivity. The touch screen gives access to the proven Delem user-interface and enables direct navigation between programming and production. Functions are directly located where you need them, offering optimised ergonomics throughout the application.

The DA-66T offers 2D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

The DA-69T offers 2D as well as 3D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

Highly effective control algorithms optimise the machine cycle and minimise set-up time. This makes using press brakes easier, more efficient and more versatile then ever.

The OEM-panel located above the screen, reserved for machine functions and OEM application switches, is integrated in the design and can be used depending on the required application.

Features of the Delem DA-66T / 69T Control Unit

- 2D graphical touch screen programming mode
- 3D and 2D graphical touch screen programming mode (DELEM DA-69T)
- 3D visualisation in simulation and production
- 17" high resolution colour TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Open system architecture
- Sensor bending & correction interface

Standard

- Color LCD display
- 17" TFT, high brightness
- 1280 x 1024 pixels, 32 bit colour
- Full touch screen control (IR-touch)
- Storage capacity 1 GB
- Storage capacity 2 GB (DELEM DA-69T)
- 3D graphics acceleration
- Standard Windows® networking
- Emergency switch
- Integrated OEM-panel
- USB flash memory drive

Field option

- Part support control
- X1-X2 angle programming
- Barcode reader interfacing
- Protractor interfacing
- Frame deflection compensation
- Sensor bending & correction interfacing
- Sheet thickness measurement and compensation system

DELEM DA-66T

DELEM DA-69T

General
- Real-time embedded Windows® OS
- Multitasking environment
- Instant Shut Off
- Delem Modusys compatible

Electrical / interfacing
- Power supply: 24V
- Modusys HSB bus
- RS232 port (2x)
- Network interface (100Mb/10Mb)
- USB port (2x)
- SafetyPLC interfacing
- Protractor interfacing
- Angle control interfacing

Control
- Servo- / 2 speed AC control
- Unipolar / frequency inverter control
- Direct pressure valve control
- Direct proportional valve Y1, Y2 control
- Direct crowning control
- Multiple digital function outputs
- Tandem operation

Programming
- Alphanumeric product naming
- Real-scale product programming and visualisation
- 2D/3D real-scale product programming and visualisation (DELEM DA-69T)
- Automatic bend sequence calculation
- Automatic bend sequence calculation in 2D and 3D (DELEM DA-69T)
- Easy graphical bend sequence swap and move
- Hemmed products programming
- One page programming table
- Graphical product and tool selection
- Programmable material properties
- Programmable axis speed
- Free material programming
- Product & tool search filter
- Millimeters/Inches, kN/Ton selection
- Stock counter
- Product notes

Tooling
- Graphical tool configuration
- Multiple tool station set-ups
- Tool segmentation visualisation
- Alphanumeric tool identification
- Free graphical tool programming
- Hemming tools
- Radius tools
- Tool adapter support

Computed
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Hemming force
- Auto bumping calculation
- Radius programming
- Bend allowance table
- Learned angle correction database

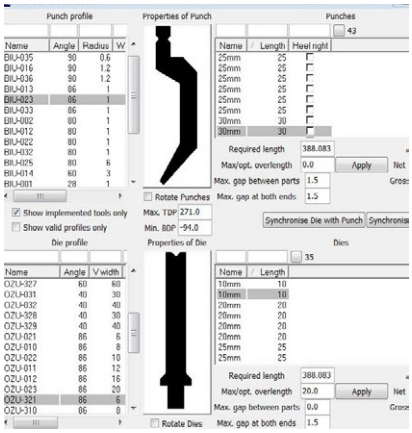
Miscellaneous
- 'Teach-in' on all axes
- Handwheel movement of all axes
- Operator selectable dialogue languages
- Integrated help functions
- Error messaging system
- Diagnostic program
- Internet Explorer (web browser)
- Remote diagnosis
- User specific applications support
- Machine time + stroke counter
- On board Analysis Tool
- Sequencer functionality (PLC)

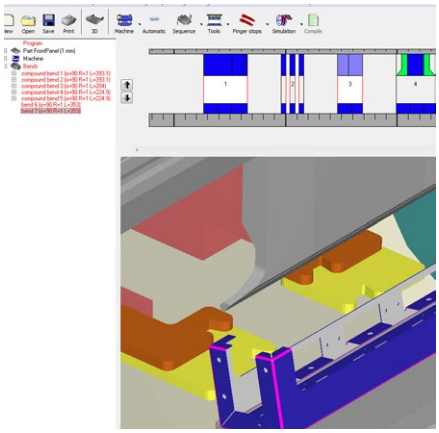
SOFTWARE

RADAN RADBEND OFFLINE SOFTWARE (OPTIONAL)

Radbend from Radan is the comprehensive offline programming solution for press brakes.
Completely integrated with Radan3D it also provides a full 3D simulation of the bending process.

Features at a glance:
User-defined bend allowances
Flexible design changes including material thickness
Automatic, associative drawing elevations
Associative 2D dimensioning on drawing elevations and flat blanks
An integrated component of Radan
The software is specifically focused on the rapid creation and modification of 3D sheet metal parts and assemblies. The system understands the attributes of sheet metal and utilises user-definable parameters for precise automatic unfolding.
Based on the ACIS solid modelling kernel and employing modern parametric techniques, it provides design flexibility, and a unique 2D-to-3D method of creating 3D objects.
In addition, Radan 3D allows the import of a range of file formats, including Inventor, Solidworks, Catia V4 & V5, SAT, IGES, STEP and Parasolid, as well as the creation of assemblies in the 3D environment.
The Radan 3D model can be updated with manufacturing information such as expected radius and setback values, from Radbend, Radan's offline programming solution
With Radbend you will be able to select the most tools to bend the part correctly. The program will run a full 3D simulation of the bending process detecting any problems or potential collisions. The software will also automatically position finger stops against every valid face requiring fingerstops and provide you with feedback, on the expected radius, press depth, etc.





DELEM PROFILE T OFFLINE SOFTWARE (OPTIONAL)

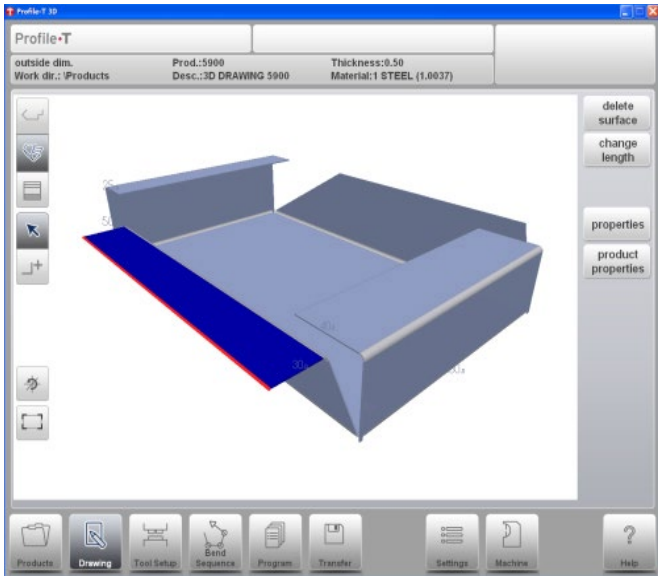
Maximize your machine efficiency and production output by taking your press brake programming offline with Delem's most innovative software, Profile T.

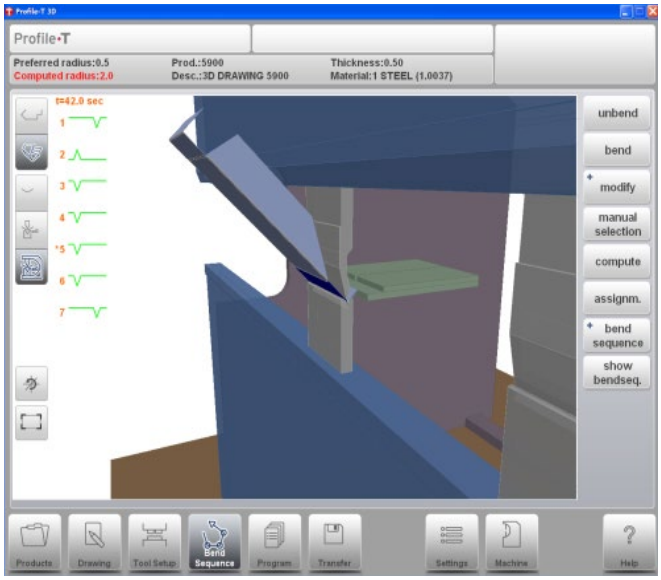
Production preparation, makeability and tooling verification, operator training, adding notes for production and many other functions can be carried out offline using Profile T.

The Profile-T software offers advanced programming in 2D/3D in line with the DA-Touch controller software. Programming the product graphically shows a true scale representation of the intended product. Realistic product visualisation gives feedback on feasibility, collisions, required tools and tool adapters for production.

Profile T Features:

- Full scale offline programming
- Graphical product programming and bend sequence generation
- Feasibility studies and production preparation
- 2D/3D automatic bend sequence calculation
- Collision detection
- Product sharing over Windows networking with press brake CNC
- Machine setup preparation including print functionality
- Production time calculation





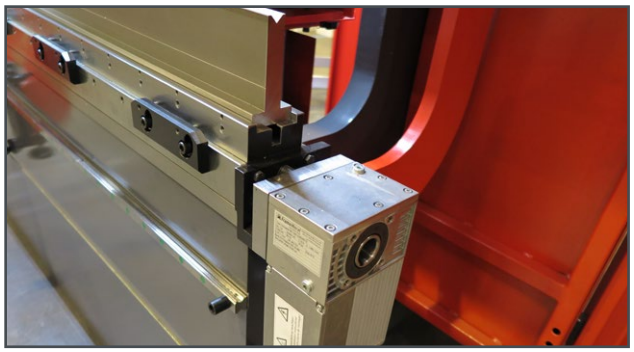
CROWNING SYSTEMS

To confirm a constant bend angle, pre-load the machine with manual or CNC crowning which will offset potential deviations and allow for possible tooling wear to maintain parallel contacting surfaces. CNC crowning systems allow the press brake control to be pre-programmed with machine characteristics and deflection data. Manual crowning requires the simple development of a chart or spreadsheet for each new application. Varying properties in material can cause different outcomes and calculations/setting may need to be adjusted accordingly.

MANUAL CROWNING

Standard on B-SMART,

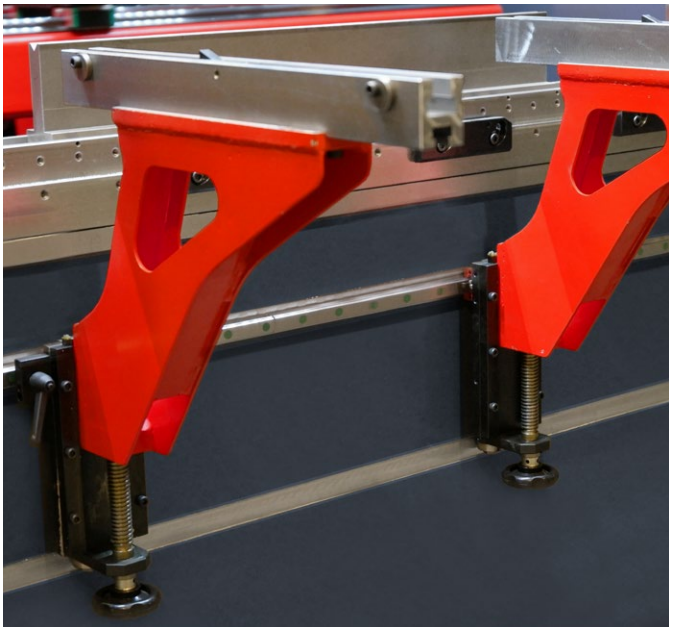
CNC MOTORIZED CROWNING



Standard on B-GENIUS,
Optional on B-SMART

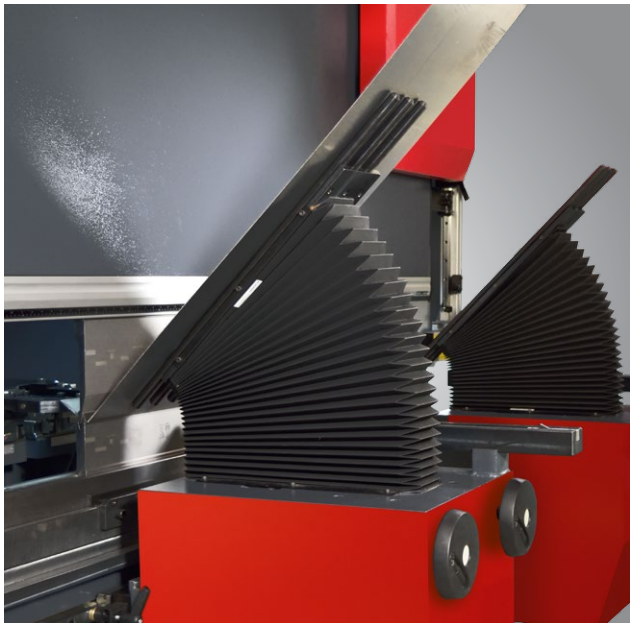
SLIDING FRONT ARMS

The sliding front support arms are mounted with a ball bearing system and linear guides to allow for effortless lateral and quick and easy vertical adjustments.



CNC SHEET FOLLOWERS

This feature allows for quicker and safer part production through continuous synchronized support throughout the bending process and also helps prevent back bending.



BACKGAUGE SYSTEMS

Establishing the right back gauge for your projects will allow for increased part production and precision. From intricate parts which typically require more axes to large quantities that require more time and therefore increased cost, the correct back gauge for each job is essential to lowering costs per part which ultimately benefits your bottom line. RMT technicians are happy to assist you with any questions you may have on your project requirements.

1 AXIS BACK GAUGE (X)

1 AXIS BACK GAUGE

The CNC 1 Axis back gauge is standard on all B-Eco and B-Smart press brakes. With a 1 Axis Back Gauge the X Axis is motorized and CNC controlled and the R Axis has manually adjustable height to control the finger block.

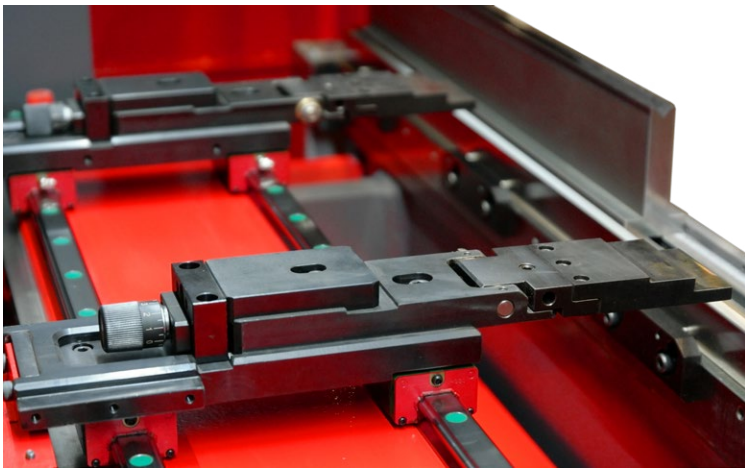
The finger depth (X Axis) is calculated by a motorized CNC controller and includes a retraction feature to eliminate collision incidents. The back gauge fingers are easily adjustable for calibration and can also be moved manually and fixed in place. The R1, R2, Z1, Z2 axes can also be adjusted manually and secured in place.

2 AXIS BACK GAUGE (X,R)

2 AXIS BACK GAUGE

The CNC 2 Axis back gauge comes standard on the B-Genius line of press brakes and is an option that can be added to a B-Eco or B-Smart series press brake. The 2 Axis back gauge is CNC controlled to adjust the X (depth) and R (height) axes to ensure your material is accurately positioned for a high quality finished product.

By using Mitsubishi servo motors and drives along with HIWIN ball screws or HIWIN or Rexroth linear rails, you can program X axis speeds up to 1200 IPM with an accuracy of .0004".

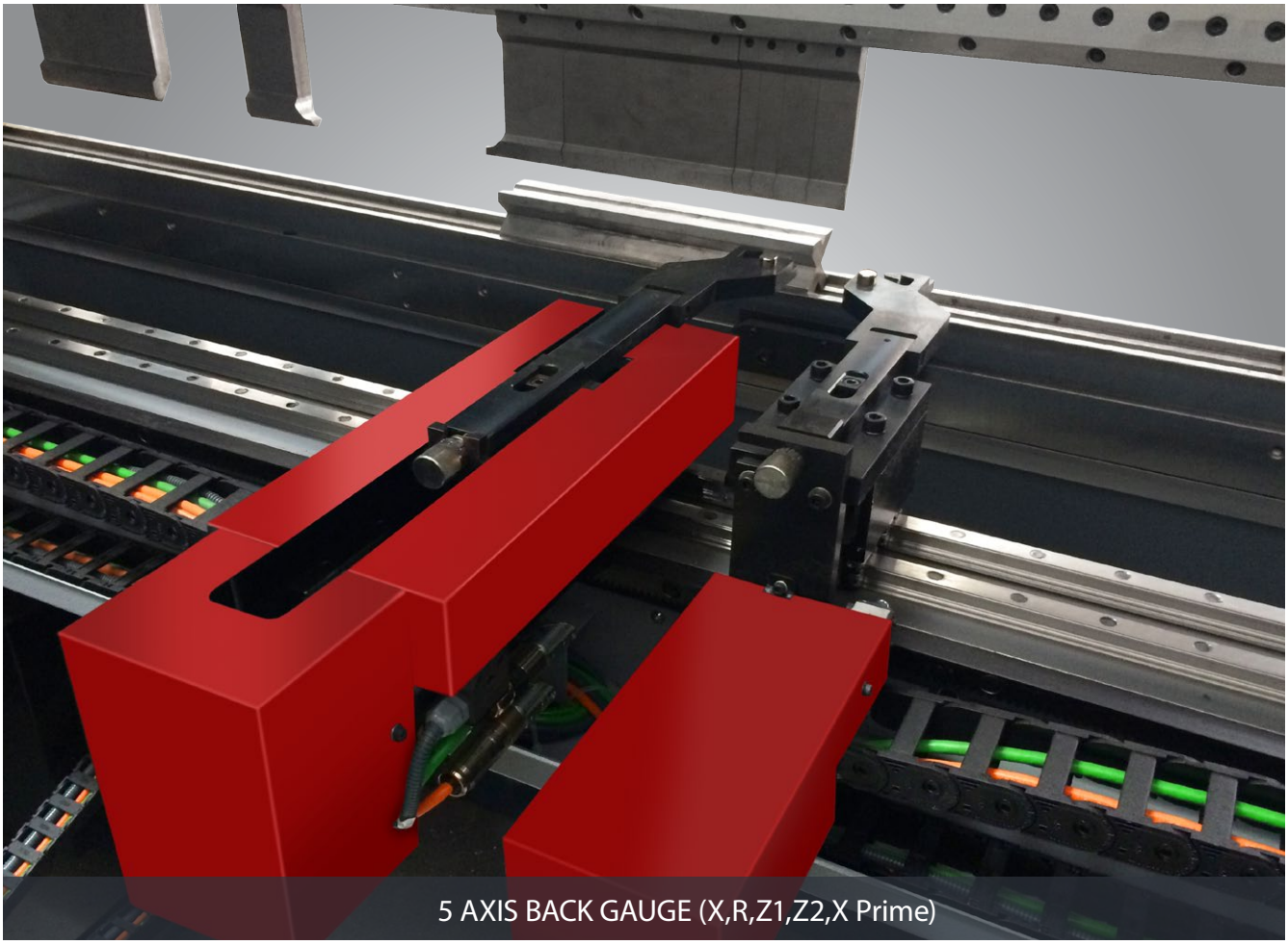


4 AXIS BACK GAUGE (X,R,Z1,Z2)

4 AXIS BACK GAUGE

Need to bump your versatility up a notch? Bam! On top of X, R, and Z1, Z2 add X prime to back gauge to allow independent shifting of a finger to assist in asymmetrical part creation. The finger can shift forward or backward 5" for a total travel of 10" which facilitates precision slant lines.

By using Mitsubishi servo motors and drives along with HIWIN ball screws or HIWIN or Rexroth linear rails, you can program X axis speeds up to 1200 IPM with an accuracy of .0004".

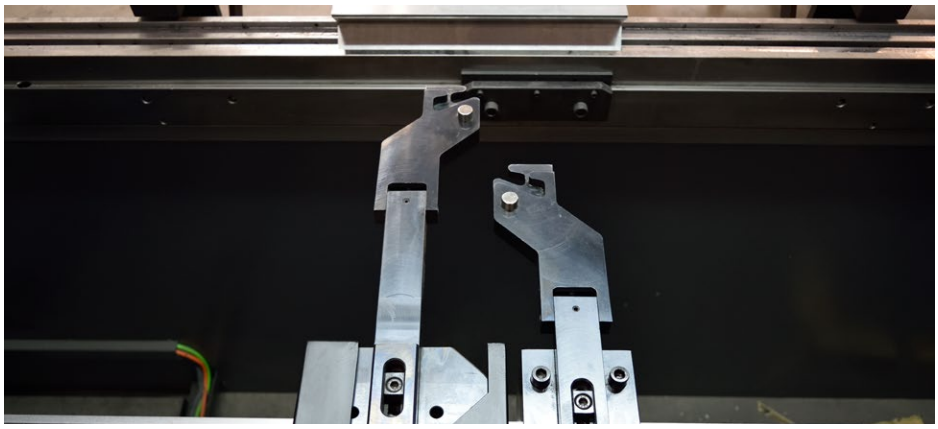


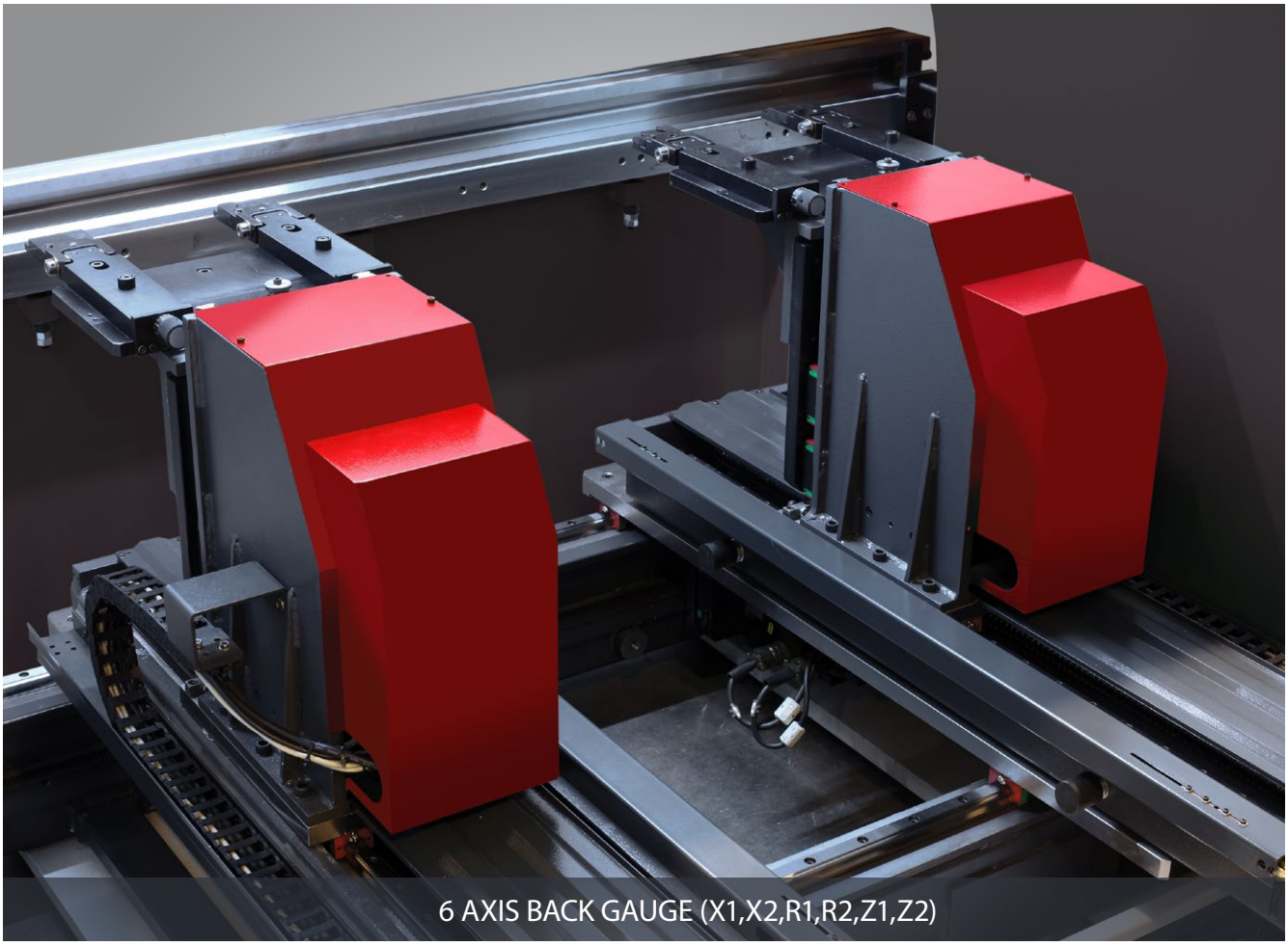
5 AXIS BACK GAUGE (X,R,Z1,Z2,X Prime)

5 AXIS BACK GAUGE

Need to bump your versatility up a notch? Bam! On top of X, R, and Z1, Z2 add X prime to back gauge to allow independent shifting of a finger to assist in asymmetrical part creation. The finger can shift forward or backward 5" for a total travel of 10" which facilitates precision slant lines.

By using Mitsubishi servo motors and drives along with HIWIN ball screws or HIWIN or Rexroth linear rails, you can program X axis speeds up to 1200 IPM with an accuracy of .0004".

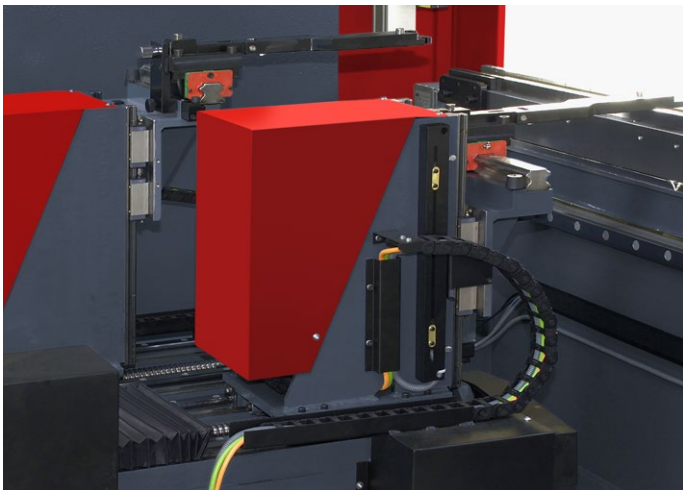


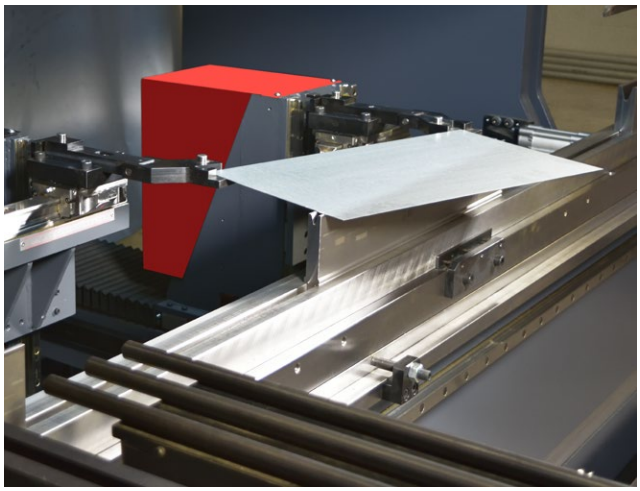


6 AXIS BACK GAUGE (X1,X2,R1,R2,Z1,Z2)

6 AXIS BACK GAUGE

The 6 Axis back gauge allows for the most flexibility and quickest production speeds as all 6 axis back gauges can be positioned independently of each other. The controller calculates the finger positions three dimensionally (X, R, Z) in the space. Steady finger positions, especially for asymmetrical parts, eliminate the need for back gauge adjustments and help you save setup time.





B-ECO SERIES

BENDING SMALL PARTS?

B-ECO Series Press Brakes are perfect for forming small parts with low operating costs and with syncro CNC three axis control capability they perform just like our bigger Press Brakes.

STANDARD

- DELEM DA-52S Control
- Hoerbiger Hydraulic System
- CNC X Axis Back Gauge
- RMT Top & Bottom Tool Clamping System
- Foot Pedal
- Full Length Multi V die, punch
- Synchronized Dual Cylinder
- Steel Welded Frame

OPTIONAL

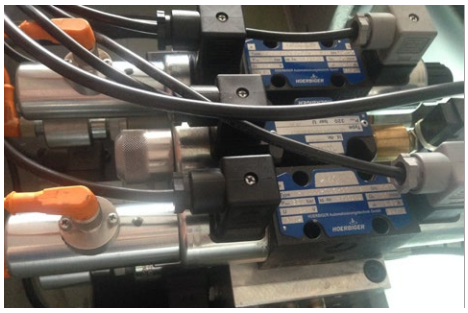
- 12" Stroke
- CNC X, R Axes Back Gauge
- CE Norms & Front Safety Barrier
- Front Arms with Adjustable Height

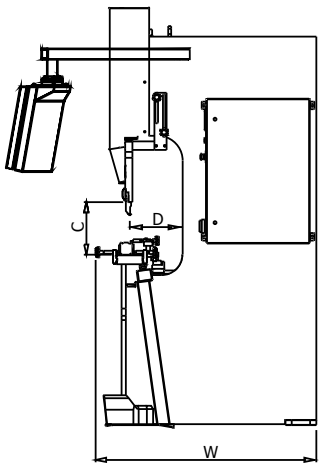
B-ECO Series		Unit	B-ECO 4-33	B-ECO 5-44	B-ECO 4-65	B-ECO 5-88
Bending Force		US Tons	33	44	65	88
Bending Length	(A)	Inches	49.2″	59″	49.2″	59″
Distance between Columns	(B)	Inches	39.7″	49.6″	39.7″	49.6″
X-Axis Back Gauge Travel		Inches	19.6″	19.6″	23.6″	23.6″
RAM Repeatability		Inches	+/- .0004″	+/- .0004″	+/- .0004″	+/- .0004″
Daylight	(C)	Inches	10″/16″	10″/16″	10″	10″
Stroke		Inches	5.9″/12″	5.9″/12″	5.9″	5.9″
Throat Depth	(D)	Inches	10″	10″	10″	10″
RAM Approach Speed (max.)		IPM	236	236	236	236
RAM Working Speed (max.)		IPM	20	17	20	17
RAM Return Speed (max.)		IPM	236	236	236	236
Main Motor		HP	4	5.5	7.5	7.5
Length	(L)	Inches	66″	79″	66″	79″
Width	(W)	Inches	42″	42″	47″	47″
Height	(H)	Inches	79″	79″	79″	79″
Weight (approx)		lbs	4078	4409	5511	6613

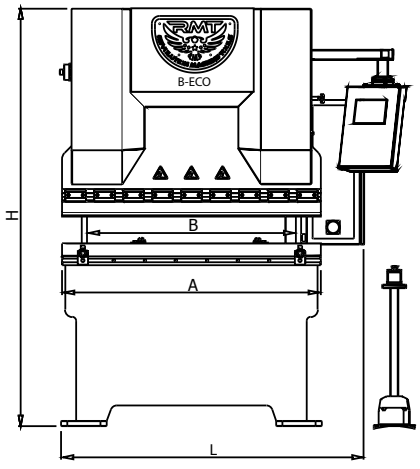
Optional extra daylight, stroke, throat depths available.

X AXIS BACKGAUGE

HOERBIGER HYDRAULIC SYSTEM







B-SMART SERIES

WANT A WORKHORSE?

3 AXIS CNC SYNCRO PRESS BRAKE

The 3 Axis CNC Syncro Press Brake is our most popular model by volume and a true workhorse. Constructed of high quality parts and offering serious reliability, Y1 & Y2 technology with high approach, bending and return speeds.

- Provides a combination of performance, cost effectiveness and easy to use features
- Outstanding Value! Best brake for the money on the market.
- User friendly CNC control unit and software
- Precise bending results
- Tough construction with the same solid framework we use for all of our RMT Press Brakes
- Large daylight opening allows the entire length of the machine to be put to optimal use
- Designed and built with the objective to help you achieve low cost manufacturing
- Standard 3 axis X, Y1, Y2 and manually adjustable R1, R2, Z1, Z2

STANDARD

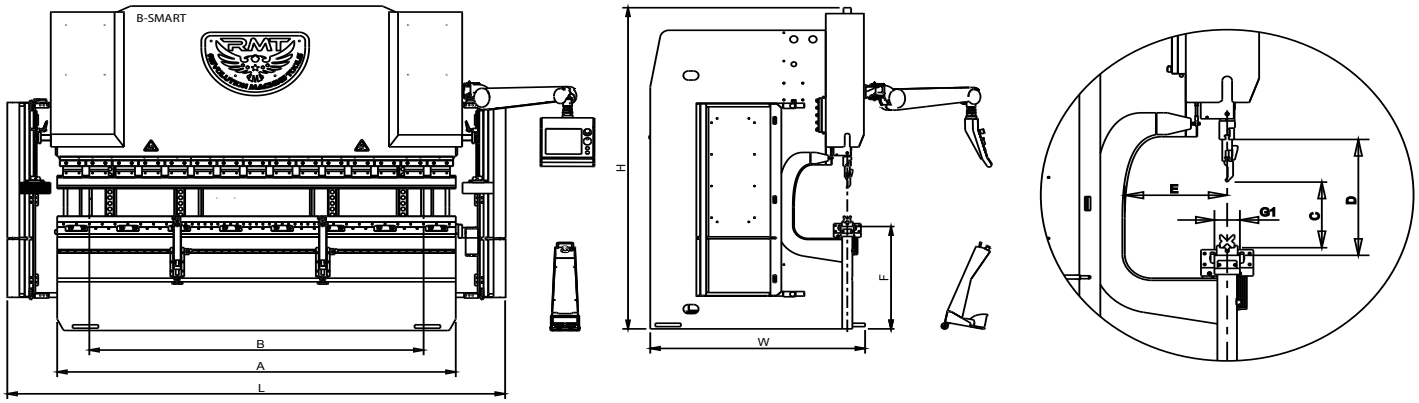
- 3 axis CNC:
  - Y1, Y2 precision ram positioning
  - X axis Back Gauge
- Large trio of value:
  - Large open height
  - Large stroke
  - Large throat depth
- Back Gauge - motorized & linear guide & ball bearing system
- Back Gauge Fingers - height adjustable
- Safety laser with manual F. AKAS II M -FPSC-B-C + safety covers with switch
- Delem DA-52S CNC control unit
- Manual crowning
- Clamping:
  - American/European section-style box punch clamps
  - American-only style punch clamp available at no charge
- Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauge squaring, etc.)
- Adjustable height suspension control unit arm
- Protective covers (side and rear safety doors)
- Rear work light
- World-class hydraulic and electronic components that are easily replaceable
  (parts stocked by us or available off-the-shelf from your local supplier):
  - Hydraulic blocks and valves (Hoerbiger)
  - Electronics system (Siemens, Schneider, Mitsubishi)
- High-yield plate construction
- Hydraulic Oil (up to 250 Ton machines)

OPTIONAL

- CNC R axis
- Delem DA-56S CNC control unit with 2D graphics
- Safety laser with SICK C 4000 (only for tandem) + steel protective covers
- Adaptive bending sensors
- Top tool American or European
- Bottom tool American or European
- Hydraulic tooling clamping systems
- Quick release clamping
- Universal die blocks
- CNC controlled motorized crowning
- Extended back gauge stroke & back protection with light barrier
- Oil coolant
- Very reasonable tooling packages available (multi-V tooling)
- Additional finger blocks
- Additional sliding front arms
- Profile-W offline software
- Tandem configuration

B-SMART SERIES	STANDARD MACHINE CHARACTERISTICS											
	BENDING FORCE METRIC	BENDING LENGTH	DISTANCE BETWEEN FRAMES	RAM STROKE	DAYLIGHT	THROAT DEPTH	BED HEIGHT	BED CAP WIDTH (STANDARD)	BED CAP WIDTH (OPTIONAL)	SLIDING FRONT SUPPORT ARMS	MOTOR POWER	OIL TANK CAPACITY
	(US)	A	B	C	D	E	F	G1	G2	QTY		
	Tons	Feet	Feet	Inch	Inch	Inch	Inch	Inch	Inch	Pcs.	HP	Gal
B-SMART 6-70	70	6′ 10″	5′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	10	37
B-SMART 8-110	110	8′ 6″	6′ 10″	11″	20.9″	16.5″	35.6″	4″	7″	2	15	37
B-SMART 10-110	110	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	15	37
B-SMART 10-150	150	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	20	37
B-SMART 10-200	200	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 12-200	200	12′ 2″	10′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 13-200	200	13′ 5″	11′ 9″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 14-200	200	14′ 1″	12′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 10-250	250	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 12-250	250	12′ 2″	10′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 13-250	250	13′ 5″	11′ 9″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 14-250	250	14′ 1″	12′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 20-250	250	20′ 0″	16′ 8″	11″	20.9″	16.5″	43.3″	6″	12″	4	30	79
B-SMART 10-350	350	10′ 2″	8′ 6″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 12-350	350	12′ 2″	10′ 5″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 13-350	350	13′ 5″	11′ 9″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 14-350	350	14′ 1″	12′ 5″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 20-350	350	20′ 0″	16′ 8″	15″	24.8″	20.1″	43.3″	6″	12″	4	40	95
B-SMART 12-420	420	12′ 2″	10′ 0″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 14-420	420	14′ 1″	12′ 3″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 13-500	500	13′ 5″	11′ 9″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 14-500	500	14′ 1″	12′ 5″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 20-500	500	20′ 0″	16′ 8″	15″	24.8″	20.1″	47.2″	6″	12″	4	50	132

Optional extra daylight, stroke, throat depths available.



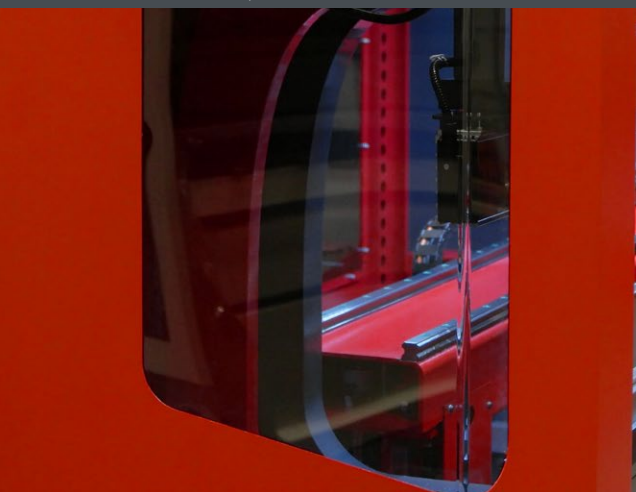
B-SMART SERIES	RAM SPEEDS PROGRAMMABLE				BACK GAUGE SYSTEM						MACHINE DIMENSIONS			
	Y-AXIS APPROACH SPEED	Y-AXIS FORMING SPEED	DECOMPRESSION	Y-AXIS RETURN SPEED	X-AXIS SPEED	X-AXIS TRAVEL	3RD GAUGEABLE FINGER POSITION	R-AXIS MAX. SPEED	R-AXIS TRAVEL	# BACKGAUGE FINGER BLOCKS	LENGTH	WIDTH	HEIGHT	APPROX. WEIGHT
	Prog.	Prog.	Prog.	Prog.	Prog.	Prog.	Opt.	Opt.	Opt.	QTY	L	W	H	
	I.P.M.	I.P.M.	I.P.M.	I.P.M.	I.P.M.	Inch	Inch	I.P.M.	Inch	Pcs.	Inch	Inch	Inch	lbs
B-SMART 6-70	94-472	0-24	0-24	52-260	5-1890	32.3″	41.7″	5-378	10.2″	2	126″	47″	94″	7,275
B-SMART 8-110	85-425	0-24	0-24	57-283	5-1890	32.3″	41.7″	5-378	10.2″	2	133″	66″	112″	19,070
B-SMART 10-110	85-425	0-24	0-24	57-283	5-1890	32.3″	41.7″	5-378	10,2″	2	153″	66″	112″	20,944
B-SMART 10-150	76-378	0-24	0-24	57-283	5-1890	32.3″	41.7″	5-378	10,2″	2	157″	69″	112″	24,030
B-SMART 10-200	66-331	0-21	0-21	47-236	5-1890	32.3″	41.7″	5-378	10,2″	2	157″	67″	115″	25,684
B-SMART 12-200	66-331	0-21	0-21	47-236	5-1890	32.3″	41.7″	5-378	10,2″	2	181″	67″	115″	29,211
B-SMART 13-200	66-331	0-21	0-21	47-236	5-1890	32.3″	41.7″	5-378	10,2″	2	197″	67″	115″	29,432
B-SMART 14-200	66-331	0-21	0-21	47-236	5-1890	32.3″	41.7″	5-378	10,2″	2	205″	67″	115″	30,754
B-SMART 10-250	57-283	0-20	0-20	54-272	5-1890	32.3″	41.7″	5-378	10,2″	2	159″	67″	118″	28,109
B-SMART 12-250	57-283	0-20	0-20	54-272	5-1890	32.3″	41.7″	5-378	10,2″	2	183″	67″	118″	32,298
B-SMART 13-250	57-283	0-20	0-20	54-272	5-1890	32.3″	41.7″	5-378	10,2″	2	198″	67″	118″	33,841
B-SMART 14-250	57-283	0-20	0-20	54-272	5-1890	32.3″	41.7″	5-378	10,2″	2	206″	67″	118″	34,282
B-SMART 20-250	47-236	0-20	0-20	54-272	5-1181	32.3″	41.7″	5-283	10,2″	4	277″	67″	130″	47,179
B-SMART 10-350	47-236	0-19	0-19	45-224	5-1890	32.3″	41.7″	5-378	10,2″	2	156″	81″	127″	39,683
B-SMART 12-350	47-236	0-19	0-19	45-224	5-1890	32.3″	41.7″	5-378	10,2″	2	179″	81″	127″	44,754
B-SMART 13-350	47-236	0-19	0-19	45-224	5-1890	32.3″	41.7″	5-378	10,2″	2	195″	81″	127″	47,730
B-SMART 14-350	47-236	0-19	0-19	45-224	5-1890	32.3″	41.7″	5-378	10,2″	2	203″	81″	127″	49,428
B-SMART 20-350	43-213	0-19	0-19	45-224	5-1181	32.3″	41.7″	5-283	10,2″	4	274″	81″	135″	65,147
B-SMART 12-420	47-236	0-19	0-19	43-213	5-1181	40.2″	49.6″	5-283	10,2″	2	181″	85″	140″	55,116
B-SMART 14-420	47-236	0-19	0-19	43-213	5-1181	40.2″	49.6″	5-283	10,2″	2	205″	85″	140″	61,289
B-SMART 13-500	47-236	0-18	0-18	38-189	5-1181	40.2″	49.6″	5-283	10,2″	2	203″	89″	146″	62,744
B-SMART 14-500	43-213	0-18	0-18	38-189	5-1181	40.2″	49.6″	5-283	10,2″	2	211″	89″	146″	65,257
B-SMART 20-500	43-213	0-18	0-18	38-189	5-1181	40.2″	49.6″	5-283	10.2″	4	283″	89″	152″	89,067

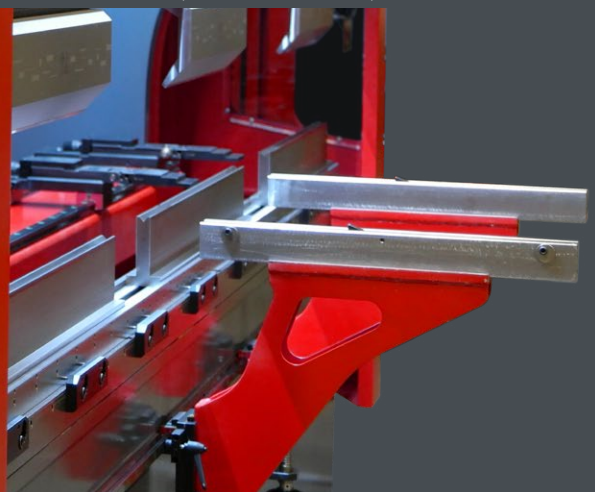
B-GENIUS SERIES

MASS PRODUCTION?

5 AXIS CNC SYNCRO PRESS BRAKE

Our design innovations are based on years of experience and have resulted in our B-Genius Press Brakes which allow for faster bending, and a better return and back gauge. RMT Press Brakes will allow you to mass produce precision parts effectively and decrease your cost per part.





STANDARD

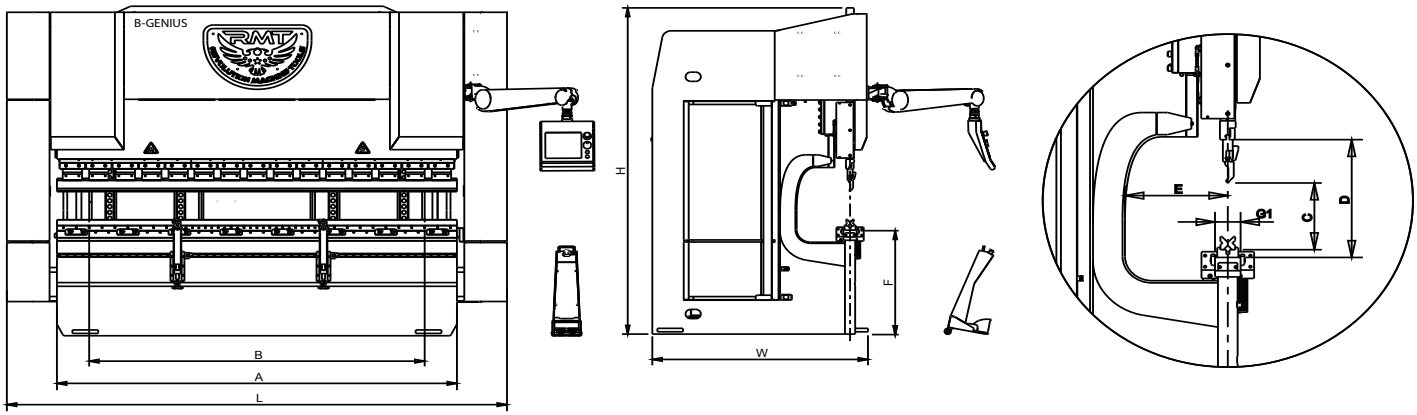
- 5 axis CNC:
  - Y1, Y2 precision ram positioning
  - X, R precision servo-driven back gauge
  - CNC motorized wave crowning
- Large trio of value:
  - Large open height
  - Large stroke
  - Large throat depth
- Safety laser with manual F. AKAS II M -FPSC-B-C + safety covers with switch
- Delem DA-66T touch screen CNC control unit with 3D graphical visualization
- Clamping:
  - American/European section-style box punch clamps (standard on 420 Ton and lower)
  - American-only style punch clamp available at no charge on 420 Ton and lower
- Standard X-axis travel is 32.3" with third gauge step capable of gauging parts up to 41.7" with standard back gauge (most machines)
- Stable and fast AC servo motor-driven precision back gauge with linear guide and ball bearing system (X - R)
- Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauge squaring, etc.)
- Protection covers (side and rear safety doors)
- Rear work light
- World-class hydraulic and electronic components that are easily replaceable (parts stocked by us or available off-the-shelf from your local supplier):
  - Hydraulic blocks and valves (Hoerbiger)
  - Electronics system (Siemens, Schneider, Mitsubishi)
- Adjustable height suspension control unit arm
- High-yield plate construction
- Ability to accurately fade ram
- Stage bending
- Automatic bend sequence determination
- Automatic stretch length calculator for blank size determination
- Hydraulic Oil (up to 250 Ton machines)

OPTIONAL

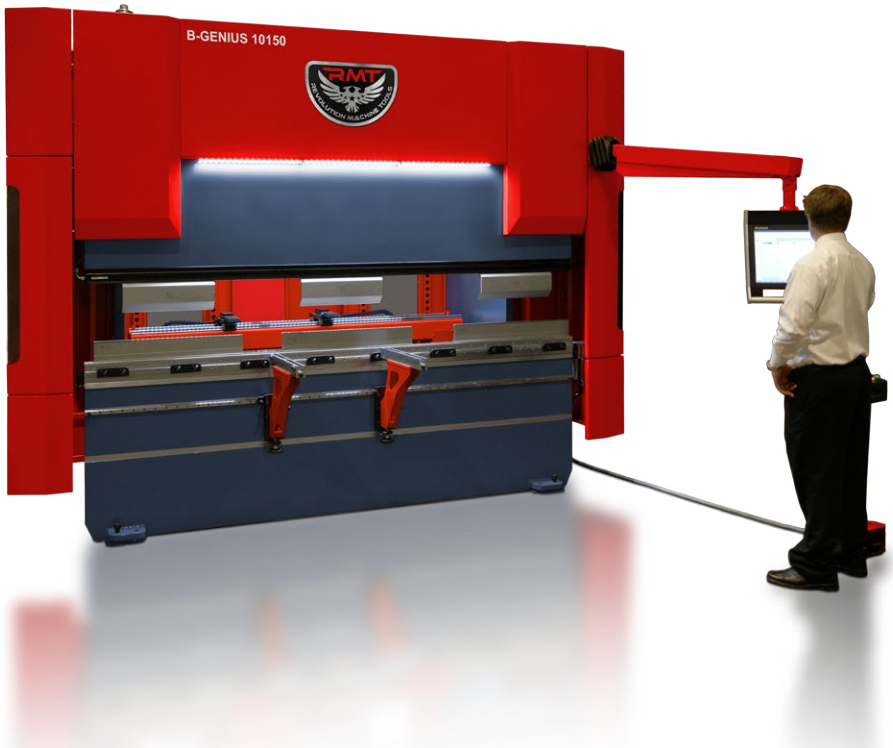
- Safety laser: Motorized F. AKAS III M
- Light curtain: SICK C 4000 for tandem/trio/quad machines
- Adaptive bending sensors
- Up to 14+ axes available:
  - Z1, Z2 axes
  - X1, X2 axes
  - R1, R2 axes
  - X Prime (Delta X) axis, +/- 5" stroke (10" total)
  - X Axis = 40" external travel – back protection with light barrier
  - X1, X2 axes for light pole production
  - Sheet follower with sliding guide – motorized height adjustment
  - Front feeding system with supports
  - Front feeding system with supports – pneumatic pushers
- Other CNC control units available:
  - Delem DA-69T touch screen 2D/3D CNC control
  - Cybelec ModEva 10S/12S/15S 3D with PC 1200 3D SW
- Clamping:
  - Quick release clamping
  - RMT hydraulic or mechanical clamping
  - Wila or Wilson hydraulic or mechanical clamping
- Various tool options (RMT, Euro-American, Wila or Wilson)
- Extended back gauge stroke & back protection with light barrier
- Offline software (V-Bend, Radbend, Profile-W)
- Tooling packages
- Multiple brake configurations available:
  - Tandem configuration
  - Trio configuration
  - Quad configuration
  - High tonnage flush floor models
- Custom Colors

B-GENIUS SERIES	STANDARD MACHINE CHARACTERISTICS											
	BENDING FORCE	BENDING LENGTH	DISTANCE BETWEEN FRAMES	LENGTH OF RAM STROKE	DAYLIGHT	THROAT DEPTH	BED HEIGHT	BED CAP WIDTH (STANDARD)	BED CAP WIDTH (OPTIONAL)	# SLIDING FRONT SUPPORT ARMS	MOTOR POWER	OIL TANK CAPACITY
	(US)	A	B	C	D	E	F	G1	G2	QTY		
	Tons	Feet	Feet	Inch	Inch	Inch	Inch	Inch	Inch	Pcs.	HP	Gal
B-GENIUS 6-70	70	6′ 10″	5′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	10	37
B-GENIUS 8-110	110	8′ 6″	6′ 10″	11″	20.9″	16.5″	35.6″	4″	7″	2	15	37
B-GENIUS 10-110	110	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	15	37
B-GENIUS 10-150	150	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	20	37
B-GENIUS 10-200	200	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-GENIUS 12-200	200	12′ 2″	10′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-GENIUS 13-200	200	13′ 5″	11′ 9″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-GENIUS 14-200	200	14′ 1″	12′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-GENIUS 10-250	250	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	10″	2	40	58
B-GENIUS 12-250	250	12′ 2″	10′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	40	58
B-GENIUS 13-250	250	13′ 5″	11′ 9″	11″	20.9″	16.5″	35.6″	4″	10″	2	40	58
B-GENIUS 14-250	250	14′ 1″	12′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	40	58
B-GENIUS 20-250	250	20′ 0″	16′ 8″	11″	20.9″	16.5″	43.3″	6″	12″	4	40	79
B-GENIUS 10-350	350	10′ 2″	8′ 6″	15″	24.8″	20.1″	35.6″	6″	12″	2	50	79
B-GENIUS 12-350	350	12′ 2″	10′ 5″	15″	24.8″	20.1″	35.6″	6″	12″	2	50	79
B-GENIUS 13-350	350	13′ 5″	11′ 9″	15″	24.8″	20.1″	35.6″	6″	12″	2	50	79
B-GENIUS 14-350	350	14′ 1″	12′ 5″	15″	24.8″	20.1″	35.6″	6″	12″	2	50	79
B-GENIUS 20-350	350	20′ 0″	16′ 8″	15″	24.8″	20.1″	43.3″	6″	12″	4	50	95
B-GENIUS 12-420	420	12′ 2″	10′ 0″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-GENIUS 14-420	420	14′ 1″	12′ 3″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-GENIUS 13-500	500	13′ 5″	11′ 9″	15″	24.8″	20.1″	41.3″	6″	12″	2	60	119
B-GENIUS 14-500	500	14′ 1″	12′ 5″	15″	24.8″	20.1″	41.3″	6″	12″	2	60	119
B-GENIUS 20-500	500	20′ 0″	16′ 8″	15″	24.8″	20.1″	47.2″	6″	12″	4	60	132

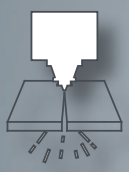
Optional extra daylight, stroke, throat depths available.



B-GENIUS SERIES	RAM SPEEDS PROGRAMMABLE				BACK GAUGE SYSTEM							MACHINE DIMENSIONS			
	Y-AXIS APPROACH SPEED	Y-AXIS FORMING SPEED	DECOMPRESSION	Y-AXIS RETURN SPEED	X-AXIS SPEED	X-AXIS TRAVEL	3RD GAUGEABLE FINGER POSITION	R-AXIS MAX. SPEED	R-AXIS TRAVEL	Z1-Z2-AXIS MAX. SPEED	# BACKGAUGE FINGER BLOCKS	LENGTH	WIDTH	HEIGHT	APPROX. WEIGHT
	Prog.	Prog.	Prog.	Prog	Prog.	Prog.	Prog.	Std.	Std.	Opt.	QTY	L	W	H	lbs
	I.P.M.	I.P.M.	I.P.M.	I.P.M.	I.P.M.	Inch	Inch	I.P.M.	Inch	I.P.M.	Pcs.	Inch	Inch	Inch	lbs
B-GENIUS 6-70	94-472	0-24	0-24	94-472	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	126"	47"	94"	7.826
B-GENIUS 8-110	94-472	0-24	0-24	94-472	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	133"	66"	112"	19.621
B-GENIUS 10-110	94-472	0-24	0-24	94-472	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	153"	66"	112"	21.495
B-GENIUS 10-150	94-472	0-24	0-24	94-472	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	153"	69"	112"	24.582
B-GENIUS 10-200	85-425	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	154"	67"	115"	26.235
B-GENIUS 12-200	85-425	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	177"	67"	115"	29.762
B-GENIUS 13-200	85-425	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	193"	67"	115"	29.983
B-GENIUS 14-200	85-425	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	201"	67"	115"	31.306
B-GENIUS 10-250	76-378	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	154"	67"	118"	28.660
B-GENIUS 12-250	76-378	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	178"	67"	118"	32.849
B-GENIUS 13-250	76-378	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	194"	67"	118"	34.392
B-GENIUS 14-250	76-378	0-24	0-24	85-425	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	202"	67"	118"	34.833
B-GENIUS 20-250	66-331	0-24	0-24	85-425	5-1181	32.3"	41.7"	5-283	10.2"	5-3425	4	272"	67"	130"	47.730
B-GENIUS 10-350	66-331	0-24	0-24	76-378	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	156"	81"	127"	40.345
B-GENIUS 12-350	66-331	0-24	0-24	76-378	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	179"	81"	127"	45.415
B-GENIUS 13-350	66-331	0-24	0-24	76-378	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	195"	81"	127"	48.391
B-GENIUS 14-350	66-331	0-24	0-24	76-378	5-1890	32.3"	41.7"	5-378	10.2"	5-3425	2	203"	81"	127"	50.089
B-GENIUS 20-350	57-283	0-24	0-24	76-378	5-1181	32.3"	41.7"	5-283	10.2"	5-3425	4	274"	81"	135"	65.808
B-GENIUS 12-420	57-283	0-21	0-21	71-354	5-1181	40.2"	49.6"	5-283	10.2"	5-3425	2	181"	85"	140"	55.887
B-GENIUS 14-420	57-283	0-21	0-21	71-354	5-1181	40.2"	49.6"	5-283	10.2"	5-3425	2	205"	85"	140"	62.060
B-GENIUS 13-500	52-260	0-21	0-21	66-331	5-1181	40.2"	49.6"	5-283	10.2"	5-3425	2	203"	89"	146"	63.625
B-GENIUS 14-500	52-260	0-21	0-21	66-331	5-1181	40.2"	49.6"	5-283	10.2"	5-3425	2	211"	89"	146"	66.139
B-GENIUS 20-500	47-236	0-21	0-21	66-331	5-1181	40.2"	49.6"	5-283	10.2"	5-3425	4	283"	89"	152"	89.949

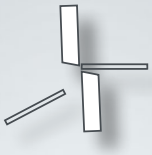


KYSON

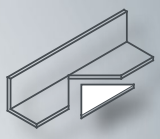


Fiber Lasers

Press Brakes



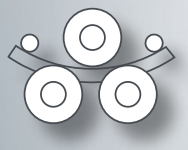
Shears



Ironworkers

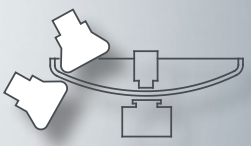
Bandsaws

Plate Rolls



Angle Rolls

Dishing Presses



Flanging Machines

Drilling Machines

"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."
Henry Ford

Authorized Dealer

Revolution Machine Tools

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2016/6 Nerminer Design

BANDSAWS

ECO, FAB, SMART SERIES **BANDSAWS**

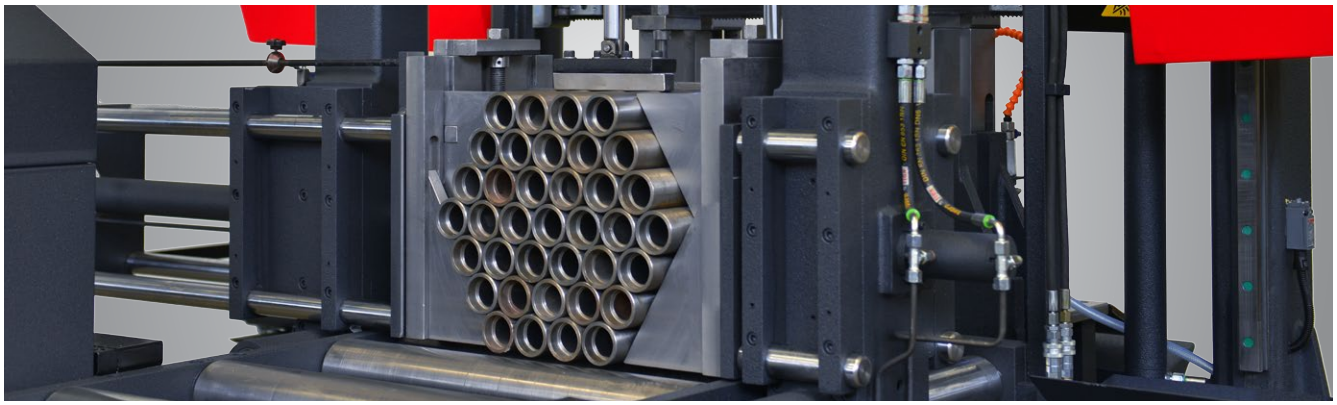
ABOUT **RMT**

Some of the Revolution Machine Tools Team

Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We have partnered with leading manufacturers to build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are and Kyle has built his reputation on those principles. RMT is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.



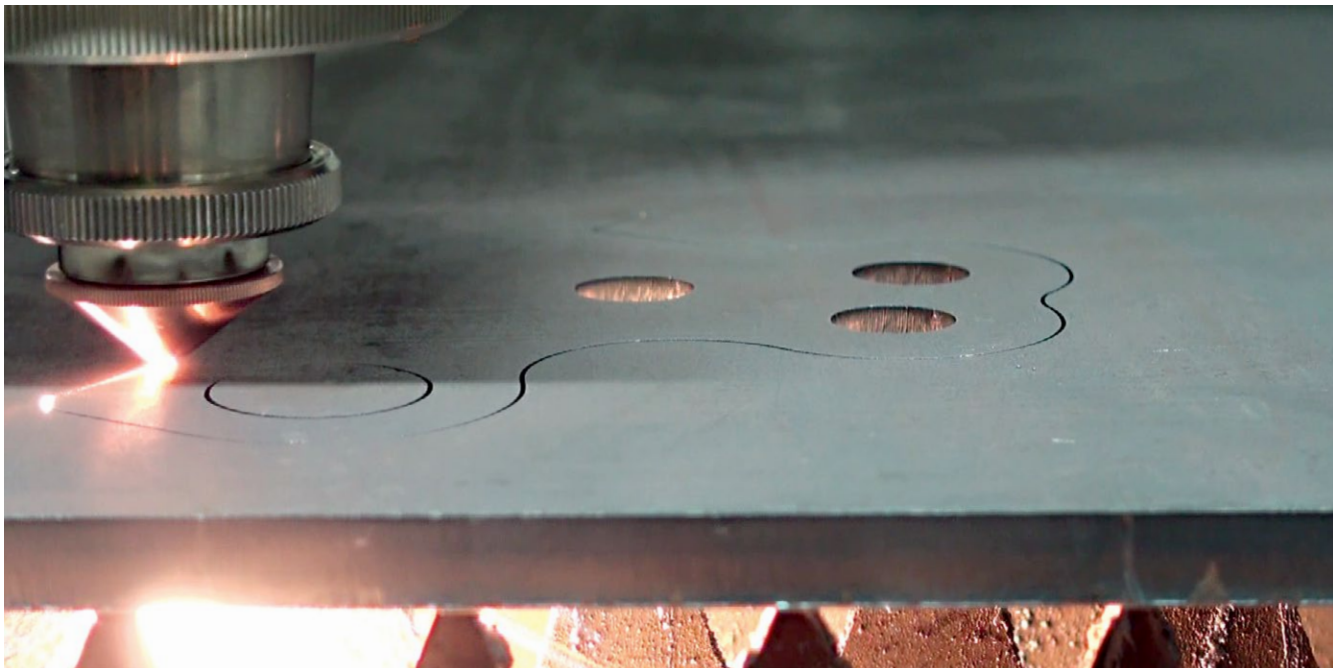
Kyle Jorgenson / President

With the fabulous growth and popularity of RMT machinery in the United States, we started receiving many requests from customers in Europe, the Middle East, Africa, and Asia.

We are proud to have partnered with ANERKA as our International arm of RMT and the only authorized dealer for RMT products outside of the United States.

ANERKA is led by trusted industry professionals who are dedicated to helping customers get the machinery they need to help their company grow and become more successful. With RMT and ANERKA, customer service is number one!

STEVE LARSEN / COO
REVOLUTION MACHINE TOOLS



We do all of these things because:
We take pleasure in helping make our customers businesses more successful.
Many of our customers have become life long friends that have carried over to several generations.

ECO SERIES

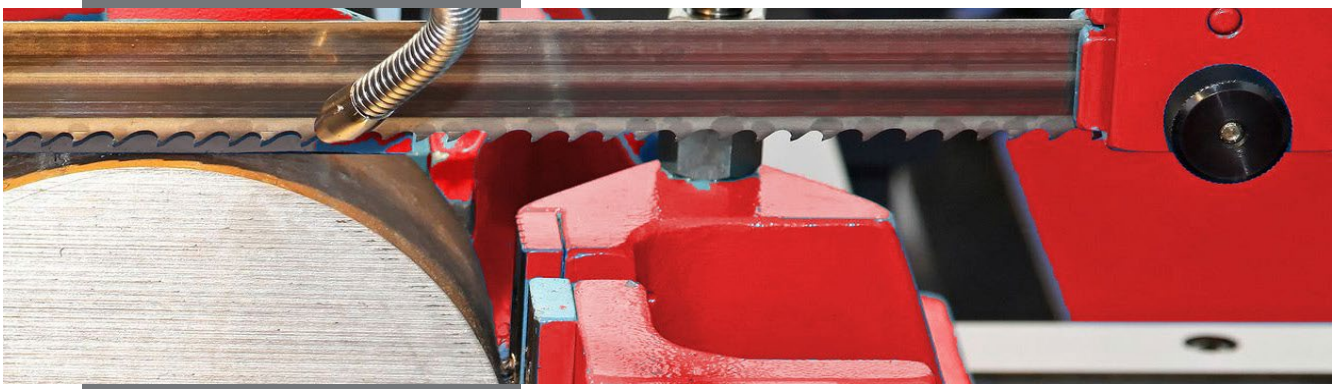
Manual Bandsaws

FAB SERIES

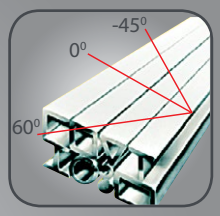
Semi Automatic Bandsaws

SMART SERIES

Automatic Bandsaws



S-ECO **PDM 5-12**



S-ECO PDM 5-12		Metric	US
Capacity at 0°	Round	230 mm	9.1" in
	Flat (H x W)	130 x 320 mm	5.1" x 12.5" in
	Square	230 mm	9.1" in
Capacity at 45°	Round	210 mm	8.3" in
	Flat (H x W)	160 x 230 mm	6.2" x 9" in
	Square	180 mm	7.1" in
Capacity at 60°	Round	120 mm	4.7" in
	Flat (H x W)	100 x 120 mm	3.9" x 4.7" in
	Square	100 mm	3.9" in
Capacity at-45°	Round	180 mm	7.1" in
	Flat (H x W)	100 x 230 mm	3.9" x 9" in
	Square	150 mm	5.9" in
Cutting Speeds		35- 70 m/min	114- 229 ft/min
Band Dims.		2730 x 27 x 0.9 mm	8' 11" x 1" x 0.035" in
Main Motor		1.3 kW	1.75 HP
Hydraulic Motor		- kW	- HP
Weight		415 kg	915 lbs
Machine Dims.	Length	1350 mm	54" in
	Width	700 mm	28" in
	Height	1300 mm	52" in

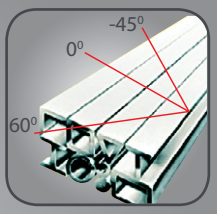
STANDARD

- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Hydromechanical Blade Tension
- Coolant Pump

OPTIONAL

- Inverter
- Microspray Cooling
- Stand
- 4ft Roller Table
- 10ft Roller Table
- 10ft Motorized Roller Table

S-ECO **PDM 8-13**



STANDARD

- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Siti Heavy Duty Gearbox
- Hydromechanical Blade Tension
- Coolant Pump

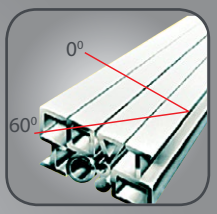
OPTIONAL

- Inverter
- Microspray Cooling
- Stand
- 4ft Roller Table
- 10ft Roller Table
- 10ft Motorized Roller Table

S-ECO PDM 8-13		Metric	US
Capacity at 0°	Round	270 mm	10.6" in
	Flat (H x W)	220 x 350 mm	8.6" x 13.7" in
	Square	270 mm	10.6" in
Capacity at 45°	Round	240 mm	9.4" in
	Flat (H x W)	200 x 270 mm	7.8" x 10.6" in
	Square	170 mm	6.7" in
Capacity at 60°	Round	150 mm	5.9" in
	Flat (H x W)	100 x 150 mm	3.9" x 5.9" in
	Square	100 mm	3.9" in
Capacity at-45°	Round	210 mm	8.3" in
	Flat (H x W)	210 x 270 mm	8.2" x 10.6" in
	Square	180 mm	7.1" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		3160 x 27 x 0.9 mm	10'4" x 1" x 0.035" in
Main Motor		1.5 kW	2 HP
Hydraulic Motor		- kW	- HP
Weight		476 kg	1049 lbs
Machine Dims.	Length	1730 mm	69" in
	Width	770 mm	31" in
	Height	1550 mm	62" in

Manual Pivot Type Single Miter Bandsaw

S-ECO **PM 12-13**



S-ECO PM 12-13		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 350 mm	12.6" x 13.7" in
	Square	320 mm	12.6" in
Capacity at 30°	Round	300 mm	11.8" in
	Flat (H x W)	200 x 300 mm	7.8" x 11.8" in
	Square	250 mm	9.8" in
Capacity at 45°	Round	260 mm	10.2" in
	Flat (H x W)	180 x 250 mm	7.1" x 9.8" in
	Square	180 mm	7.1" in
Capacity at 60°	Round	160 mm	6.3" in
	Flat (H x W)	150 x 150 mm	5.9" x 5.9" in
	Square	150 mm	5.9" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		3660 x 27 x 0.9 mm	12' x 1" x 0.035" in
Main Motor		2.2 kW	3 HP
Hydraulic Motor		- kW	- HP
Weight		960 kg	2116 lbs
Machine Dims.	Length	1900 mm	75" in
	Width	1200 mm	48" in
	Height	1350 mm	54" in

STANDARD

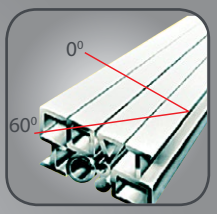
- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Hydromechanical Blade Tension
- Coolant Pump
- 4ft Roller Table

OPTIONAL

- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

Semiautomatic Pivot Type Single Miter Bandsaw

S-FAB **PM 12-24**



STANDARD

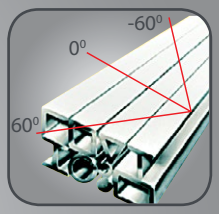
- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- 4ft Roller Table

OPTIONAL

- Hydraulic Vice
- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

S-FAB PM 12-24		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 610 mm	12.6" x 24" in
	Square	320 mm	12.6" in
Capacity at 15°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 580 mm	12.6" x 22.8" in
	Square	320 mm	12.6" in
Capacity at 30°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 510 mm	12.6" x 20" in
	Square	320 mm	12.6" in
Capacity at 45°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 355 mm	12.6" x 13.9" in
	Square	320 mm	12.6" in
Capacity at 60°	Round	260 mm	10.2" in
	Flat (H x W)	200 x 280 mm	7.8" x 11" in
	Square	225 mm	8.9" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		4160 x 34 x 1.1 mm	13'8" x 1.25" x 0.043" in
Main Motor		3 kW	4 HP
Hydraulic Motor		0.37 kW	1/2 HP
Weight		1165 kg	2568 lbs
Machine Dims.	Length	2100 mm	83" in
	Width	1200 mm	48" in
	Height	1350 mm	54" in

S-FAB **PDM 14-24**



S-FAB PDM 14-24		Metric	US
Capacity at 0°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 610 mm	14.2" x 24" in
	Square	360 mm	14.2" in
Capacity at 30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 610 mm	14.2" x 24" in
	Square	360 mm	14.2" in
Capacity at 45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 490 mm	14.2" x 19.3" in
	Square	360 mm	14.2" in
Capacity at 60°	Round	340 mm	13.4" in
	Flat (H x W)	360 x 300 mm	14.2" x 11.8" in
	Square	300 mm	11.8" in
Capacity at-30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 610 mm	14.2" x 24" in
	Square	360 mm	14.2" in
Capacity at-45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 490 mm	14.2" x 19.3" in
	Square	360 mm	14.2" in
Capacity at-60°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 360 mm	14.2" x 14.2" in
	Square	360 mm	14.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5000 x 34 x 1.1 mm	16'5" x 1.25" x 0.043" in
Main Motor		4 kW	5.5 HP
Hydraulic Motor		0.55 kW	3/4 HP
Weight		1460 kg	3219 lbs
Machine Dims.	Length	2750 mm	109" in
	Width	1210 mm	48" in
	Height	1870 mm	74" in

STANDARD

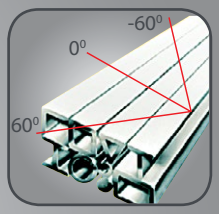
- Control Panel
- Blade Brush
- Hydraulic Vice
- Material Length Stop
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Anti Vibration Cylinder
- Coolant Pump
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

Semiautomatic Pivot Type Double Miter Bandsaw

S-FAB **PDM 17-24**



STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Anti Vibration Cylinder
- Coolant Pump
- 4ft Roller Table

OPTIONAL

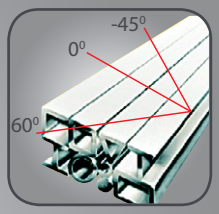
- Control Panel NC
- Hydraulic Blade Tension
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

S-FAB PDM 17-24		Metric	US
Capacity at 0°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 610 mm	17.3" x 24" in
	Square	440 mm	17.3" in
Capacity at 30°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 500 mm	17.3" x 19.7" in
	Square	440 mm	17.3" in
Capacity at 45°	Round	410 mm	16.1" in
	Flat (H x W)	440 x 410 mm	17.3" x 16.1" in
	Square	410 mm	16.1" in
Capacity at 60°	Round	320 mm	12.6" in
	Flat (H x W)	440 x 250 mm	17.3" x 9.8" in
	Square	250 mm	9.8" in
Capacity at-30°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 500 mm	17.3" x 19.7" in
	Square	440 mm	17.3" in
Capacity at-45°	Round	410 mm	16.1" in
	Flat (H x W)	440 X 410 mm	17.3" x 16.1" in
	Square	410 mm	16.1" in
Capacity at-60°	Round	320 mm	12.6" in
	Flat (H x W)	440 X 285 mm	17.3" x 11.2" in
	Square	285 mm	11.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5200 x 34 x 1.1 mm	204.7 x 1.34 x 0.043 in
Main Motor		4 kW	5.5 HP
Hydraulic Motor		0.55 kW	3/4 HP
Weight		1540 kg	3395 lbs
Machine Dims.	Length	2800 mm	111" in
	Width	1210 mm	48" in
	Height	1870 mm	74" in

Numeric Control available on
S-FAB PDM 17-24 NC

Semiautomatic Column Type Double Miter Bandsaw

S-FAB **CDM 14-25**



S-FAB CDM 14-25		Metric	US
Capacity at 0°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 640 mm	14.2" x 25.1" in
	Square	360 mm	14.2" in
Capacity at 30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 510 mm	14.2" x 20" in
	Square	360 mm	14.2" in
Capacity at 45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 390 mm	14.2" x 15.3" in
	Square	360 mm	14.2" in
Capacity at 60°	Round	310 mm	12.2" in
	Flat (H x W)	360 x 250 mm	14.2" x 9.8" in
	Square	270 mm	10.6" in
Capacity at-30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 510 mm	14.2" x 20" in
	Square	360 mm	14.2" in
Capacity at-45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 390 mm	14.2" x 15.3" in
	Square	360 mm	14.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5000 x 34 x 1.1 mm	16'5" x 1.25" x 0.043" in
Main Motor		4 kW	5.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		1635 kg	3605 lbs
Machine Dims.	Length	3000 mm	119" in
	Width	1200 mm	48" in
	Height	1910 mm	76" in

STANDARD

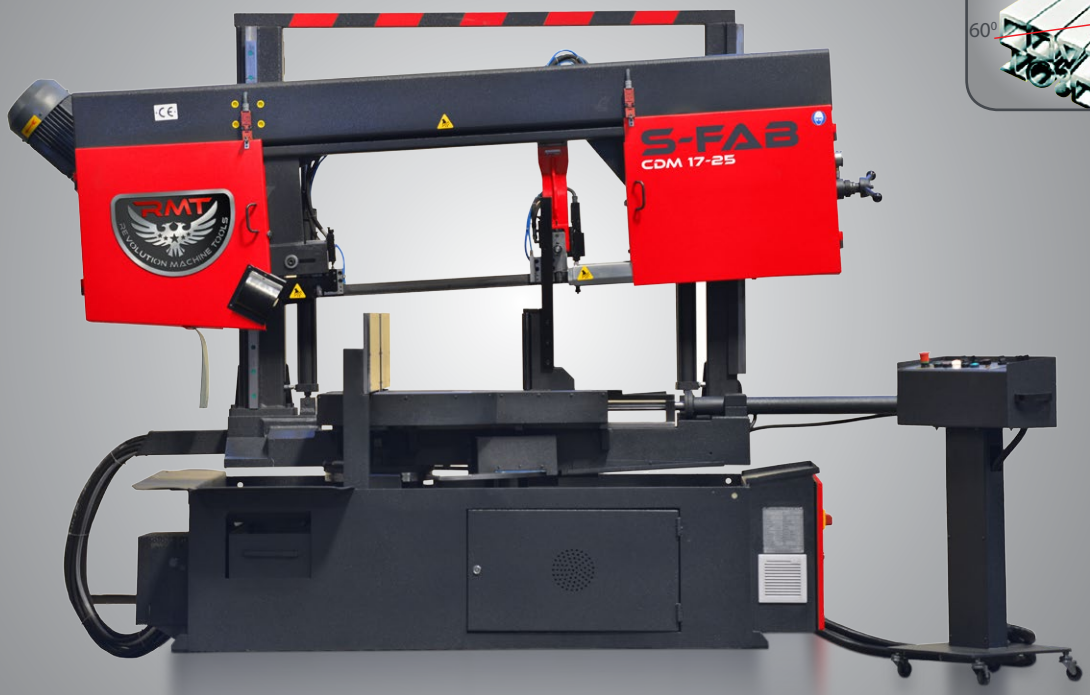
- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Coolant Pump
- 4ft Roller Table

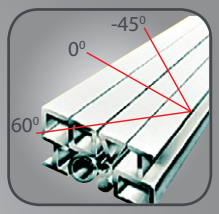
OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

Semiautomatic Column Type Double Miter Bandsaw

S-FAB **CDM 17-25**





STANDARD

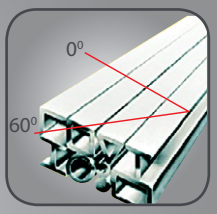
- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Coolant Pump
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

S-FAB CDM 17-25		Metric	US
Capacity at 0°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 640 mm	17.3" x 25.2" in
	Square	440 mm	17.3" in
Capacity at 30°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 510 mm	17.3" x 20" in
	Square	440 mm	17.3" in
Capacity at 45°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 400 mm	17.3" x 15.7" in
	Square	400 mm	15.7" in
Capacity at 60°	Round	250 mm	9.8" in
	Flat (H x W)	440 x 250 mm	17.3" x 9.8" in
	Square	250 mm	9.8" in
Capacity at-30°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 510 mm	17.3" x 20" in
	Square	440 mm	17.3" in
Capacity at-45°	Round	390 mm	15.4" in
	Flat (H x W)	440 x 390 mm	17.3" x 15.4" in
	Square	390 mm	15.4" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5200 x 41 x 1.3 mm	204.7 x 1.61 x 0.051 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		1780 kg	3924 lbs
Machine Dims.	Length	3100 mm	123" in
	Width	1200 mm	48" in
	Height	1910 mm	76" in

S-FAB **CM 21-29**



S-FAB CM 21-29		Metric	US
Capacity at 0°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 750 mm	21.3" x 29.5" in
	Square	540 mm	21.3" in
Capacity at 30°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 600 mm	21.3" x 23.6" in
	Square	540 mm	21.3" in
Capacity at 45°	Round	510 mm	20.1" in
	Flat (H x W)	540 x 450 mm	21.3" x 17.7" in
	Square	450 mm	17.7" in
Capacity at 60°	Round	270 mm	10.6" in
	Flat (H x W)	540 x 250 mm	21.3" x 9.8" in
	Square	250 mm	9.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6000 x 41 x 1.3 mm	236.2 x 1.6 x 0.051 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		2445 kg	5390 lbs
Machine Dims.	Length	2900 mm	115" in
	Width	1150 mm	46" in
	Height	2130 mm	84" in

STANDARD

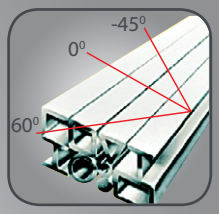
- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Digital Angle Display
- Linear Guide Rails
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Coolant Pump
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

Semiautomatic Column Type Double Miter Bandsaw

S-FAB **CDM 21-32**



STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Turn Table
- Turn Table Brake
- Proximity Switch for Sensing Blade Slippage
- Coolant Pump
- 4ft Roller Table

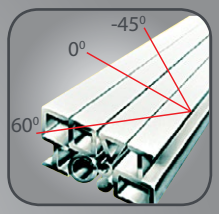
OPTIONAL

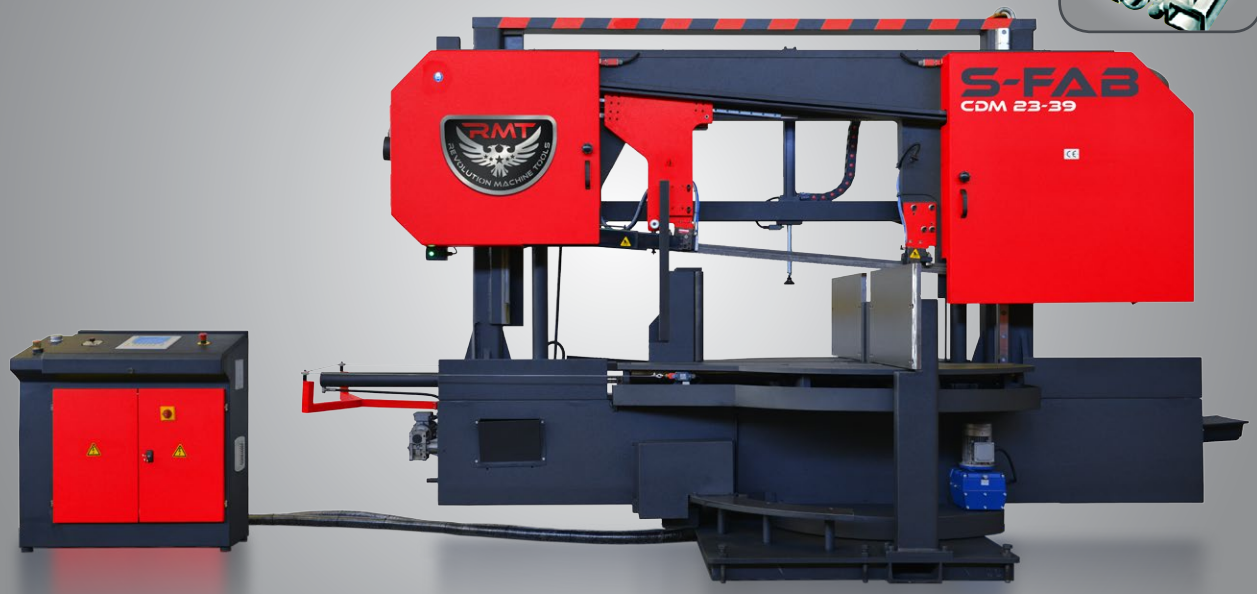
- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line
- Chip Conveyor

S-FAB CDM 21-32		Metric	US
Capacity at 0°	Round	560 mm	22.0" in
	Flat (H x W)	540 x 820 mm	21.3 x 32.3" in
	Square	540 mm	21.3" in
Capacity at 30°	Round	560 mm	22.0" in
	Flat (H x W)	540 x 705 mm	21.3" x 27.8" in
	Square	540 mm	21.3" in
Capacity at 45°	Round	550 mm	21.7" in
	Flat (H x W)	540 x 550 mm	21.3" x 21.7" in
	Square	540 mm	21.3" in
Capacity at 60°	Round	360 mm	14.2" in
	Flat (H x W)	540 x 360 mm	21.3" x 14.2" in
	Square	360 mm	14.2" in
Capacity at-30°	Round	560 mm	22.0" in
	Flat (H x W)	540 x 705 mm	21.3" x 27.8" in
	Square	540 mm	21.3" in
Capacity at-45°	Round	550 mm	21.7" in
	Flat (H x W)	540 x 550 mm	21.3" x 21.7" in
	Square	540 mm	21.3" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6800 x 41 x 1.3 mm	267.7 x 1.61 x 0.051 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		3200 kg	7055 lbs
Machine Dims.	Length	3800 mm	150" in
	Width	1750 mm	69" in
	Height	2350 mm	93" in

Semiautomatic Column Type Double Miter Bandsaw

S-FAB **CDM 23-39**





S-FAB CDM 23-39		Metric	US
Capacity at 0°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 1000 mm	23.6" x 39.8" in
	Square	600 mm	23.6" in
Capacity at 30°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 840 mm	23.6" x 33" in
	Square	600 mm	23.6" in
Capacity at 45°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 660 mm	23.6" x 26" in
	Square	600 mm	23.6" in
Capacity at 60°	Round	440 mm	17.3" in
	Flat (H x W)	600 x 440 mm	23.6" x 17.3" in
	Square	440 mm	17.3" in
Capacity at-30°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 840 mm	23.6" x 33" in
	Square	600 mm	23.6" in
Capacity at-45°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 660 mm	23.6" x 26" in
	Square	600 mm	23.6" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		8400 x 54 x 1.6 mm	330.7 x 2.12 x 0.063 in
Main Motor		7.5 kW	10 HP
Hydraulic Motor		5.5 kW	7.5 HP
Weight		6250 kg	13779 lbs
Machine Dims.	Length	4750 mm	188" in
	Width	2270 mm	90" in
	Height	2630 mm	104" in

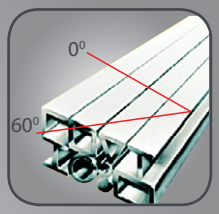
STANDARD

- Control Panel NC
- Motorized Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Turn Table
- Turn Table Brake
- Proximity Switch for Sensing Blade Slippage
- Chip Conveyor
- Coolant Pump
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

S-FAB **CM 30-31**



STANDARD

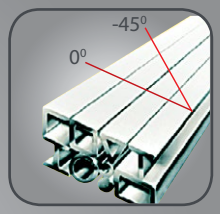
- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Digital Angle Display
- Linear Guide Rails
- Turn Table
- Turn Table Brake
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Coolant Pump
- 4ft Roller Table

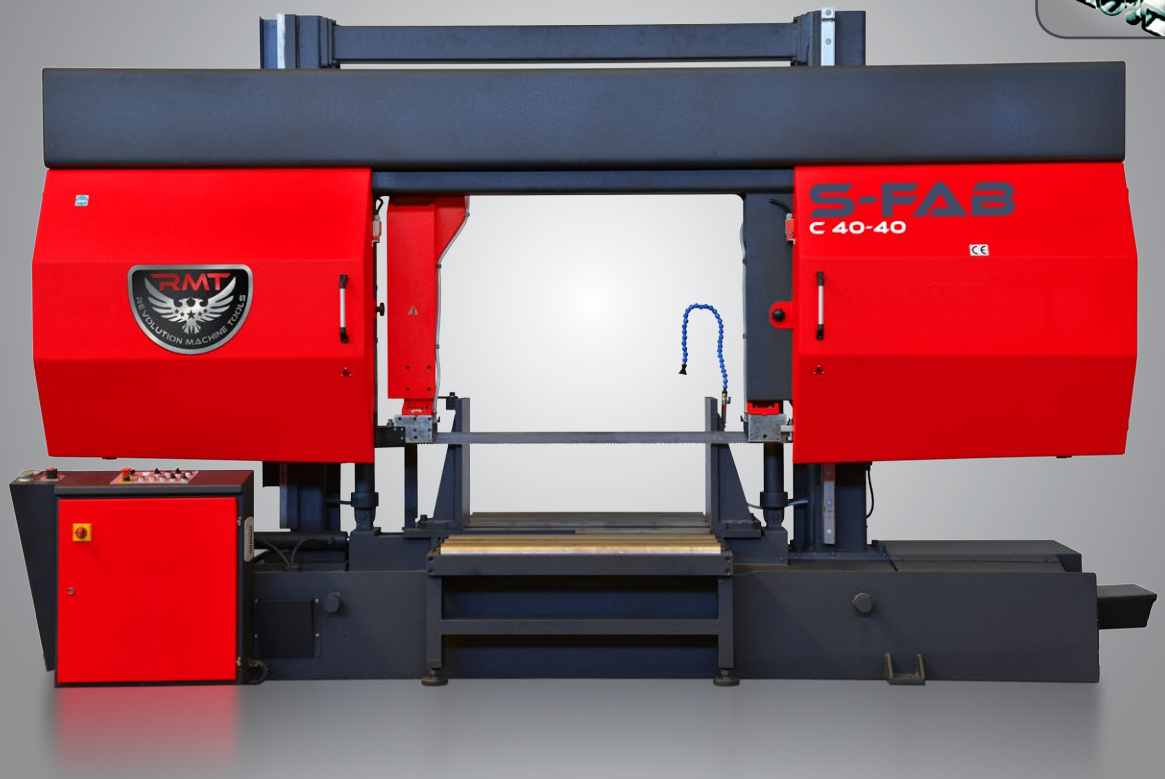
OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

S-FAB CM 30-31		Metric	US
Capacity at 0°	Round	810 mm	31.9" in
	Flat (H x W)	770 x 810 mm	30.3" x 31.9" in
	Square	770 mm	30.3" in
Capacity at 30°	Round	700 mm	27.6" in
	Flat (H x W)	770 x 700 mm	30.3" x 27.6" in
	Square	700 mm	27.6" in
Capacity at 45°	Round	555 mm	21.9" in
	Flat (H x W)	770 x 555 mm	30.3" x 21.9" in
	Square	555 mm	21.9" in
Capacity at 60°	Round	320 mm	12.6" in
	Flat (H x W)	770 x 310 mm	30.3" x 12.2" in
	Square	310 mm	12.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		8200 x 41 x 1.3 mm	322.8 x 1.61 x 0.051 in
Main Motor		7.5 kW	10 HP
Hydraulic Motor		1.5 kW	2 HP
Weight		4050 kg	8929 lbs
Machine Dims.	Length	4020 mm	159" in
	Width	1630 mm	65" in
	Height	2570 mm	102" in

S-FAB **C 40-40**





S-FAB C 40-40		Metric	US
Capacity at 0°	Round	1020 mm	40.2" in
	Flat (H x W)	1020 x 1020 mm	40.2" x 40.2" in
	Square	1020 mm	40.2" in
Capacity at 45°	Round	675 mm	26.6" in
	Flat (H x W)	1020 x 675 mm	40.2" x 26.6" in
	Square	675 mm	26.6" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		9500 x 54 x 1.6 mm	374 x 2.12 x 0.063 in
Main Motor		11 kW	15 HP
Hydraulic Motor		3 kW	4 HP
Weight		5860 kg	12919 lbs
Machine Dims.	Length	4500 mm	178" in
	Width	1700 mm	67" in
	Height	2750 mm	109" in

STANDARD

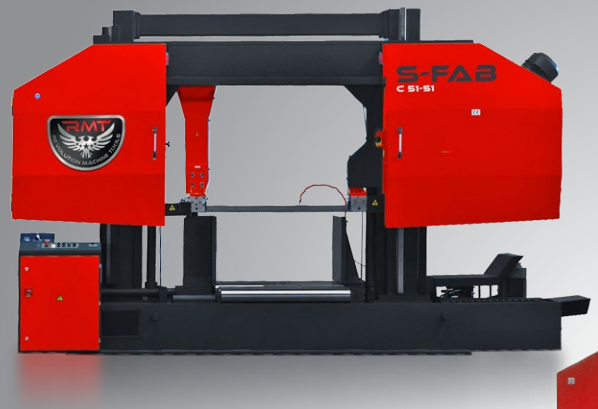
- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Linear Guide Rails
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Coolant Pump
- 4ft Roller Table

OPTIONAL

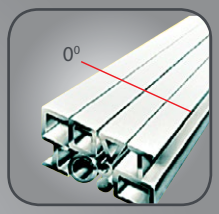
- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

Semiautomatic Column Type Bandsaw

S-FAB **C 51-51**



S-FAB **C 60-60**



STANDARD

- Control Panel
- Motorized Blade Brush (S-FAB C 60-60)
- Hydraulic Vice
- Second Vice (S-FAB C 60-60)
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Linear Guide Rails
- Hydraulic Blade Tension
- Optical Saw Height Adjustment
- Chip Conveyor
- Proximity Switch for Sensing Blade Slippage
- Coolant Pump
- 4ft Roller Table

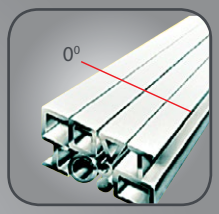
OPTIONAL

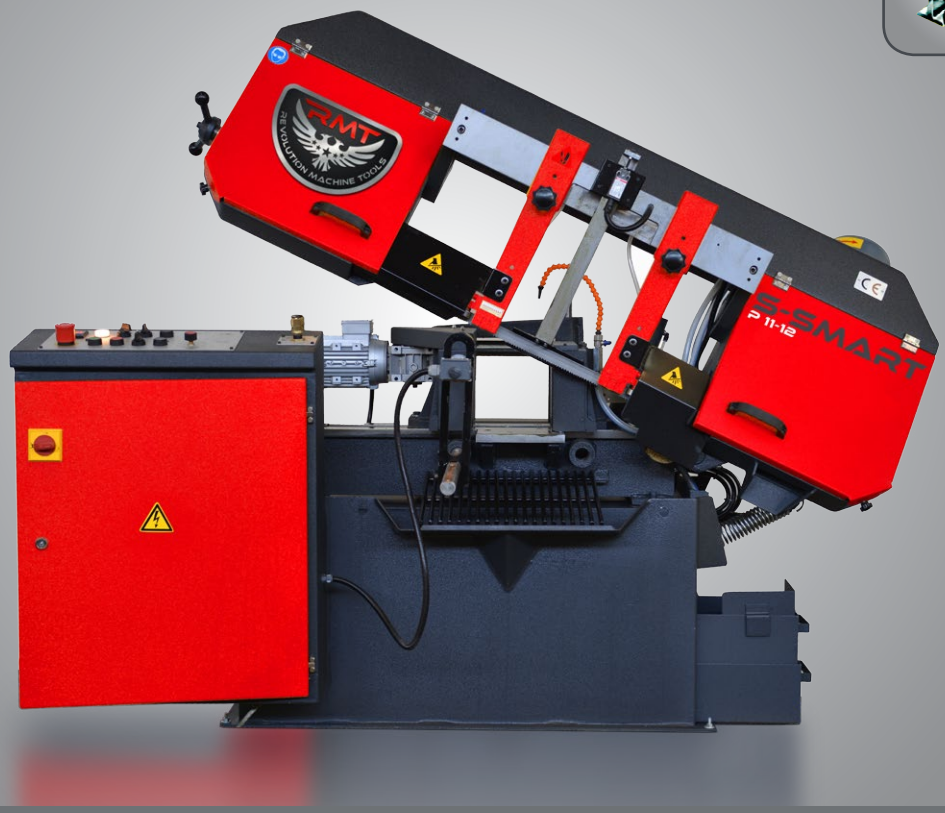
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

S-FAB C 51-51		Metric	US
Capacity at 0°	Round	1300 mm	51.2" in
	Flat (H x W)	1300 x 1300 mm	51.2" x 51.2" in
	Square	1300 mm	51.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		11700 x 67 x 1.6 mm	461 x 2.64 x 0.063 in
Main Motor		15 kW	20 HP
Hydraulic Motor		7.5 kW	10 HP
Weight		11500 kg	25353 lbs
Machine Dims.	Length	5300 mm	209" in
	Width	1500 mm	60" in
	Height	3175 mm	125" in

S-FAB C 60-60		Metric	US
Capacity at 0°	Round	1530 mm	60.2" in
	Flat (H x W)	1530x1530 mm	60.2" x 60.2" in
	Square	1530 mm	60.2" in
Cutting Speeds		10-70 m/min	32- 229 ft/min
Band Dims.		13300 x 80 x 1.6 mm	523 x 3.15 x 0.063 in
Main Motor		22 kW	30 HP
Hydraulic Motor		7.5 kW	10 HP
Weight		21645 kg	47719 lbs
Machine Dims.	Length	6000 mm	237" in
	Width	2400 mm	95" in
	Height	3850 mm	152" in

S-SMART **P 11-12**





S-SMART P 11-12		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	300 x 320 mm	11.8" x 12.6" in
	Square	300 mm	11.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		3660 x 27 x 0.9 mm	144 x 1.06 x 0.035 in
Main Motor		2.2 kW	3 HP
Hydraulic Motor		0.37 kW	1/2 HP
Feed Motor		0.25 kW	1/3 HP
Weight		765 kg	1687 lbs
Machine Dims.	Length	1900 mm	75" in
	Width	850 mm	34" in
	Height	1300 mm	51" in

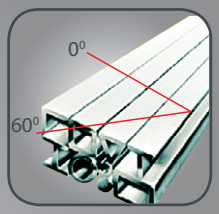
STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Material Length Stop
- Height Adjustment Switch
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Mechanical Top Clamping
- Anti Vibration Cylinder
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART **PM 12-24**



STANDARD

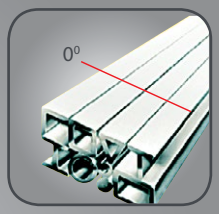
- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Anti Vibration Cylinder
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART PM 12-24		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 610 mm	12.6" x 24" in
	Square	320 mm	12.6" in
Capacity at-75°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 580 mm	12.6" x 22.8" in
	Square	320 mm	12.6" in
Capacity at-60°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 510 mm	12.6" x 20" in
	Square	320 mm	12.6" in
Capacity at-45°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 355 mm	12.6" x 14" in
	Square	320 mm	12.6" in
Capacity at-30°	Round	260 mm	10.2" in
	Flat (H x W)	200 x 280 mm	7.9" x 11" in
	Square	225 mm	8.9" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		4160 x 34 x 1.1 mm	163.8 x 1.34 x 0.043 in
Main Motor		3 kW	4 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		2060 kg	4542 lbs
Machine Dims.	Length	2370 mm	94" in
	Width	2400 mm	95" in
	Height	1500 mm	60" in

S-SMART **C 12-13**



S-SMART C 12-13		Metric	US
Capacity at 0°	Round	325 mm	12.8" in
	Flat (H x W)	325 x 350 mm	12.8" x 13.8" in
	Square	325 mm	12.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		4380 x 34 x 1.1 mm	172.4 x 1.34 x 0.043 in
Main Motor		3 kW	4 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		1600 kg	3527 lbs
Machine Dims.	Length	2300 mm	91" in
	Width	2200 mm	87" in
	Height	1550 mm	62" in

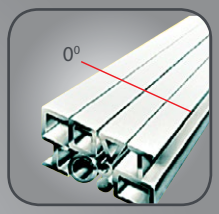
STANDARD

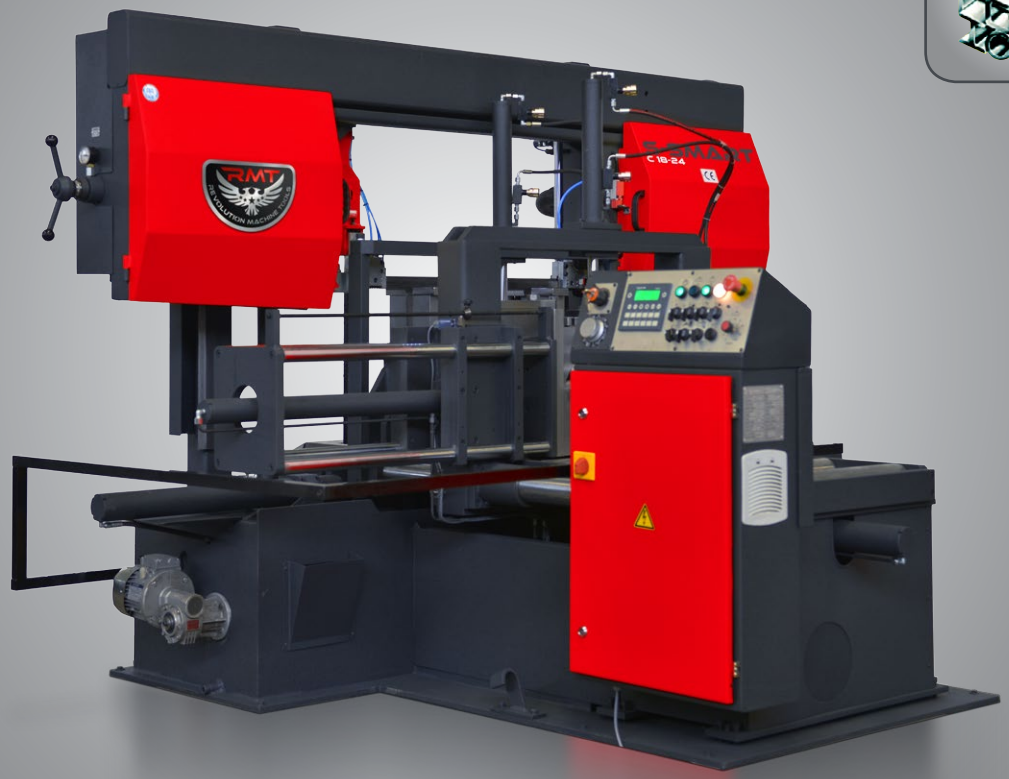
- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Mechanical Top Clamping
- Proximity Switch for Sensing Blade Slippage
- Optical Saw Height Adjustment
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- Chip Conveyor
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART **C 18-24**





STANDARD

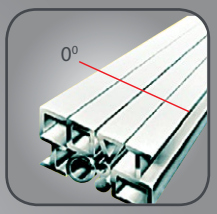
- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Split Vice
- Security Switch
- Height Adjustment Switch
- Material Length Stop
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Linear Guide Rails
- Proximity Switch for Sensing Blade Slippage
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART C 18-24		Metric	US
Capacity at 0°	Round	460 mm	18.1" in
	Flat (H x W)	460 x 610 mm	18.1" x 24" in
	Square	460 mm	18.1" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5200 x 41 x 1.3 mm	204.7 x 1.61 x 0.051 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		2700 kg	5952 lbs
Machine Dims.	Length	3100 mm	123" in
	Width	2200 mm	87" in
	Height	1950 mm	77" in

S-SMART **C 22-26**



S-SMART C 22-26		Metric	US
Capacity at 0°	Round	560 mm	22.0" in
	Flat (H x W)	560 x 670 mm	22" x 26.4" in
	Square	560 mm	22.0" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6000 x 41 x 1.3 mm	236.2 x 1.61 x 0.051 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		3500 kg	7716 lbs
Machine Dims.	Length	3500 mm	138" in
	Width	2200 mm	87" in
	Height	2050 mm	81" in

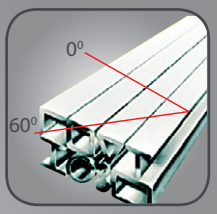
STANDARD

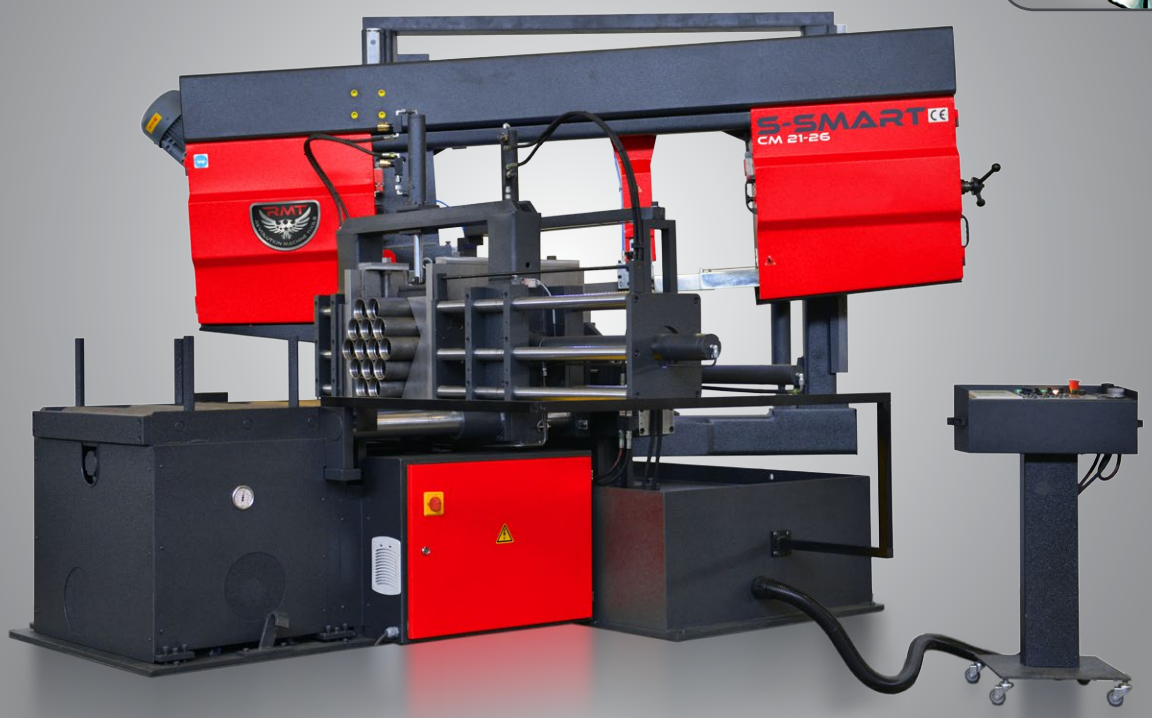
- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Split Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Linear Guide Rails
- Optical Saw Height Adjustment
- Proximity Switch for Sensing Blade Slippage
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- Chip Conveyor
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART **CM 21-26**





STANDARD

- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Linear Guide Rails
- Optical Saw Height Adjustment
- Proximity Switch for Sensing Blade Slippage
- 4ft Roller Table

OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

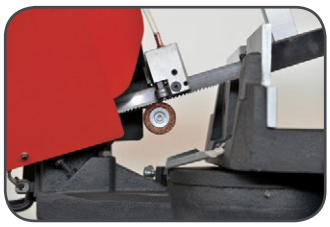
S-SMART CM 21-26		Metric	US
Capacity at 0°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 670 mm	21.3" x 26.4" in
	Square	540 mm	21.3" in
Capacity at 30°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 600 mm	21.3" x 23.6" in
	Square	540 mm	21.3" in
Capacity at 45°	Round	510 mm	20.1" in
	Flat (H x W)	540 x 450 mm	21.3" x 17.7" in
	Square	450 mm	17.7" in
Capacity at 60°	Round	270 mm	10.6" in
	Flat (H x W)	540 x 250 mm	21.3" x 9.8" in
	Square	250 mm	9.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6000 x 41 x 1.3 mm	236.2 x 1.61 x 0.051 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		3840 kg	8466 lbs
Machine Dims.	Length	3100 mm	123" in
	Width	2350 mm	93" in
	Height	2150 mm	85" in

STANDARD & **OPTIONS**

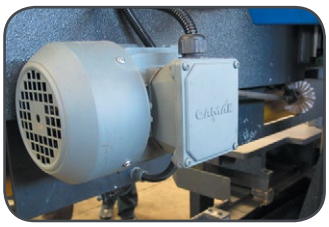
FEATURES	S-ECO PDM 5-12	S-ECO PDM8-13	S-ECO PM 12-13	S-FAB PM 12-24	S-FAB PDM 14-24	S-FAB PDM 17-24	S-FAB PDM 17-24 NC	S-FAB CDM 14-25	S-FAB CDM 17-25	S-FAB CM 21-29	S-FAB CDM 21-32	S-FAB CDM 23-39	S-FAB CM 30-31	S-FAB C 40-40	S-FAB C 51-51	S-FAB C 60-60	S-SMART P 11-12	S-SMART PM 12-24	S-SMART C 12-13	S-SMART C 18-24	S-SMART C 22-26	S-SMART CM 21-26
1- Control Panel	S	S	S	S	S	S		S	S	S	S		S	S	S	S	S					
2- Control Panel NC							S					S						S	S	S	S	S
3- Blade Brush	S	S	S	S	S	S	S	S	S	S	S		S	S	S		S	S	S	S	S	S
4- Motorized Blade Brush												S				S						
5- Hydraulic Vice				O	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6- Hydraulic Feeding Vice																		S	S	S	S	S
7- Split Vice																				S	S	
8- Second Vice															O	S						
9- Material Length Stop	S	S	S	S	S												S			S		
10- Security Switch	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11- Height Adjustment Switch				S	S	S	S							S			S	S		S		
12- Siti Heavy Duty Gearbox		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
13- Inverter	O	O	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
14- Sensitive Pressure Control				S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
15- Hydromechanical Blade Tension	S	S	S	S	S	S	S	S	S	S	S	S	S	S			S	S	S	S	S	S
16- Hydraulic Blade Tension				O	O	O	O	O	O	O	O	O	O	O	S	S	O	O	O	O	O	O
17- Coolant Pump	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18- Mechanical Top Clamping																	S					
19- Hydraulic Top Clamping				O				O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
20- Turn Table Brake											S	S	S									
21- Chip Conveyor											O	S			S	S			O		O	
22- Turn Table											S	S										
23- Anti Vibration Cylinder					S	S	S										S	S				
24- Digital Angle Display										S												
25- Linear Guide Rails								S	S	S	S	S	S	S	S	S			S	S	S	S
26- Microspray Cooling	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
27- Stand	O	O																				
28- 4ft Roller Table	O	O	S	S	S	S	O	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
29- 10ft Roller Table	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
30- 10ft Motorized Roller Table	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
31- Optical Saw Height Adjustment					S			S	S	S	S	S	S	S	S	S			S		S	S
32- Laser Line					O	O	O	O	O	O	O	O	O	O	O	O						
33- Proximity Switch for Sensing Blade Slippage											S	S	S		S	S			S	S	S	S

1-CONTROL PANEL

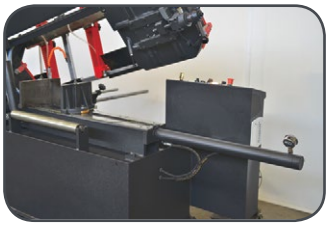
2-CONTROL PANEL NC



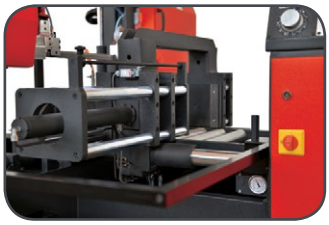
3-BLADE BRUSH



4-MOTORIZED BLADE BRUSH



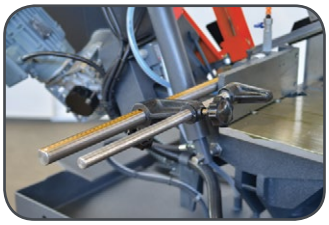
5-HYDRAULIC VICE



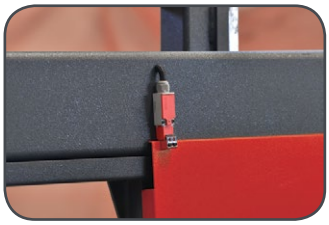
6-HYDRAULIC FEEDING VICE

7-SPLIT VICE

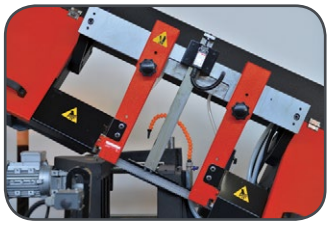
8-SECOND VICE



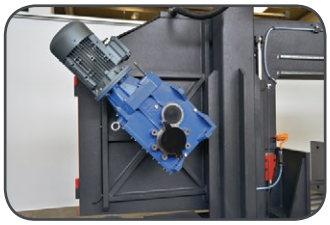
9-MATERIAL LENGTH STOP



10-SECURITY SWITCH



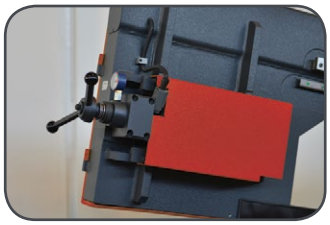
11-HEIGHT ADJUSTMENT SWITCH



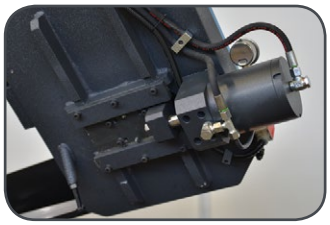
12-SITI HEAVY DUTY GEARBOX

13-INVERTER (VARIABLE SPEED)

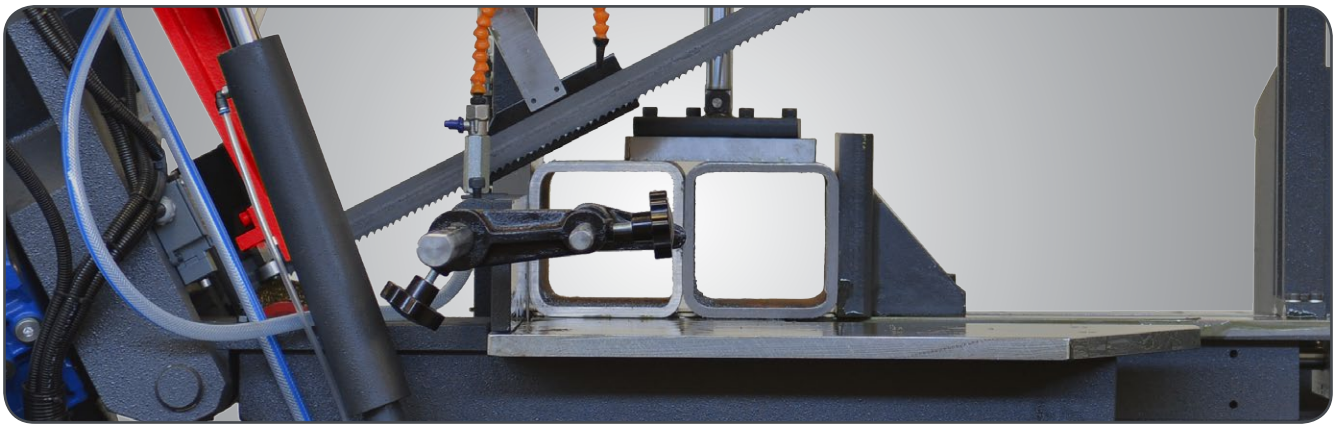
14-SENSITIVE PRESSURE CONTROL

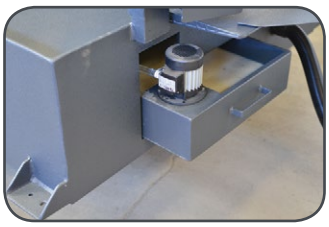


15-HYDROMECHANICAL BLADE TENSION

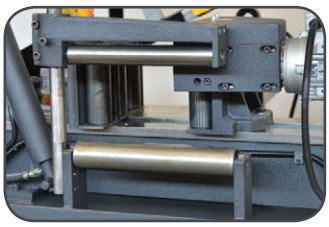


16-HYDRAULIC BLADE TENSION

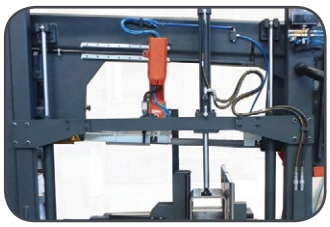




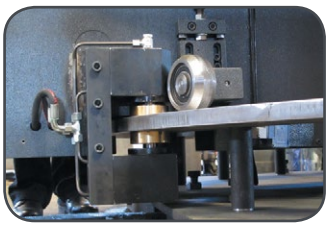
17-COOLANT PUMP



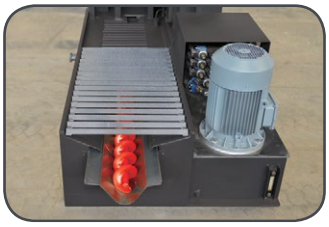
18-MECHANICAL TOP CLAMPING



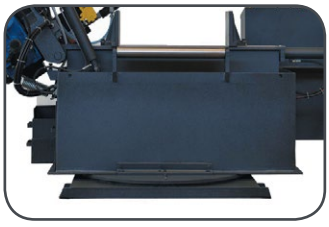
19-HYDRAULIC TOP CLAMPING



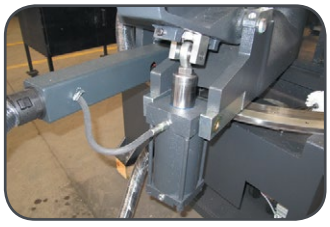
20-TURN TABLE BRAKE



21-CHIP CONVEYOR



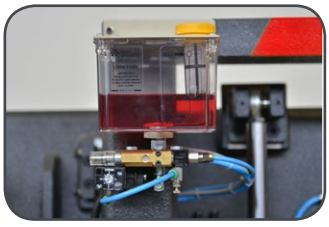
22-TURN TABLE



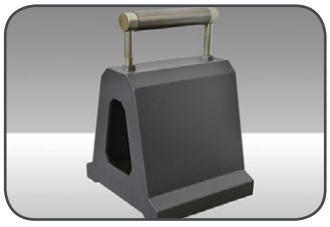
23- ANTI VIBRATION CYLINDER

24-DIGITAL ANGLE DISPLAY

25-LINEAR GUIDE RAIL



26-MICROSPAY COOLING



27-STAND

28-4 ft ROLLER TABLE

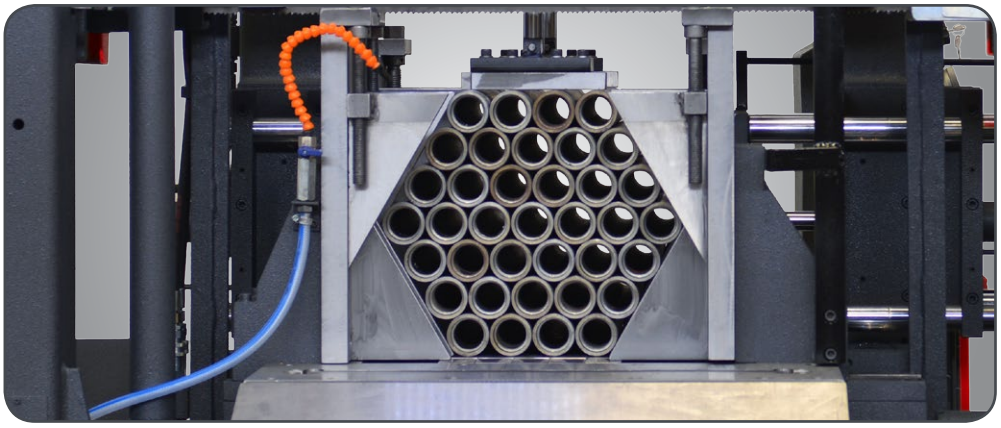
29-10 ft ROLLER TABLE

30-10 ft MOTORIZED ROLLER TABLE

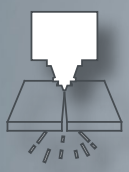
31-OPTICAL SAW HEIGHT ADJUSTMENT

32- LASER LINE

33- PROXIMITY SWITCH FOR SENSING BLADE SLIPPAGE

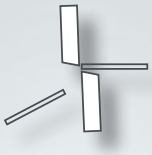


KYSON

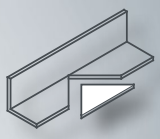


Fiber Lasers

Press Brakes



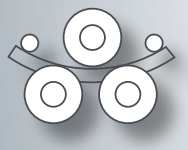
Shears



Ironworkers

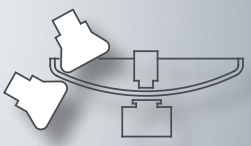
Bandsaws

Plate Rolls



Angle Rolls

Dishing Presses



Flanging Machines

Drilling Machines

"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."
Henry Ford

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