

Laser Marking Technologies, LLC. YOUR PARTNER IN SUCCESS®



LMT'S INDUSTRY LEADING MACHINES.
LIMITLESS AUTOMATION CAPABILITIES.



Laser Marking Technologies: Your Partner in Success®

Laser Marking Technologies specializes in providing the market's top solutions for marking and engraving applications in the manufacturing sector. We have grown with our customer base to be there when you need us the most. Our efforts are designed to keep production moving, and to support future applications. We are truly 'Your Partner in Success' by providing the following for over 20 years!

- LMT provides the industry's leading fiber source laser warranty, protecting you for up to 39 months.
- With over \$1.2M worth of service parts in inventory, LMT can provide same day shipping to our clients.
- LMT's tech support comes directly from the factory and our distributors.
- With locations throughout the United States; LMT provides quick and efficient regional support to you and your "time-sensitive" situations.
- LMT's staff are industry experts, each with an average of 15 years relevant experience. Not only do they understand your needs, and know how to keep existing processes moving forward; but they are also available as a resource for new applications.
- LMT machine designs emphasize ergonomics, safety, and the scalability of each machine. No other company provides comprehensive machine designs, built to address future customer needs.
- LMT's patented machine designs can incorporate automated processes without making structural modifications. All the while, maintaining CDRH safety standards.
- Laser Marking Technologies is dedicated to your success, and we will provide relentless support no matter the challenge.

ABOUT LMT

Founded in 2002, with systems built specifically for the carbide end mill industry, Laser Marking Technologies, LLC was reorganized in 2006. Over the past 20 years LMT has become the leader in laser marking technology, it's more than just a name, it's who we are! While maintaining a relentless drive to provide state of the art, cost-effective solutions; Laser Marking Technologies is backed with over a century of combined support and the best warranties on the market.



LMT's Tennessee office opened in 2022. Located in Columbia, TN just south of downtown Nashville, this facility is strategically positioned to assist the automotive manufacturing sector and EV/battery assembly. This location is a demonstration and training facility, in addition to having a full applications lab.

LMT's Sarasota, FL office, opened in 2018, has a state-of-the-art applications lab, training and demonstration facility. This office is centrally located in Sarasota, Florida, strategically located near two major airports: Tampa International (TPA) and Sarasota-Bradenton International Airport (SRQ). The area also offers customers the opportunity to spend their personal time on the beautiful gulf coast of Florida, enjoying some of the world's best beaches, fishing and golf courses. This sales and applications office will help aid in the sale and after sale support. Our direct mission is to continue to expand our footprint throughout the US and Northwestern Europe.



Laser Marking Technologies opened its doors to a new facility in Chandler, Arizona on March 1st, 2021. Joining LMT's Michigan and Florida Factory Direct locations to support their customers' laser needs, the Arizona property is the first location to operate in the Southwest. With the acquisition of both the land and the building, LMT is fully staffed and eager to support customers in a new time zone. This location, which hosts a full-service applications laboratory will work in harmony with LMT's other two applications laboratories to assist Their customers in selecting the proper laser marking, laser ablating, laser welding and --- newest of all, 3D Laser metal printing in the Additive Manufacturing (ADM) market.



Our standard desktop **Dominator®** has many options available. These include automatic z-axis, rotary axis, conveyor, turntable, auto door and many more. This machine has removable side and bottom panels for larger part marking.

DOMINATOR®



 See it in action here!

- DUAL RED AIMING BEAMS FOR EASY FOCUS
- PORT READY FOR FUME EXTRACTION WITH FLEXIBLE ARM
- INTEGRATED PC WITH PRELOADED SOFTWARE
- ADJUSTABLE MONITOR WITH MOUNTED KEYBOARD
- LARGE PRODUCT AREA WITH 3 PLACE DOCKING STATION

SPECIFICATIONS

Dominator Specifications/Footprint

Max Marking Area:

Standard 163 FL Lens: 4.33" x 4.33"

Optional 100 FL Lens: 2.15" x 2.15"

Optional 254 FL Lens: 6.89" x 6.89"

Max Work Piece:

Standard 163 FL Lens:

Up to 14"H x 25"W x 12"D or 17.5"W x 26"D

Optional 100 FL Lens:

Up to 18"H x 25"W x 12"D or 17.5"W x 26"D

Optional 254 FL Lens:

Up to 10"H x 25"W x 12"D or 17.5"W x 26"D

*Additional options available

Machine Footprint:

29"W (less monitor swing arm) x 35"D x 33"H

Distance from the back of the machine to the front of the legs is 23.5"

The smallest dimensions for the table would be 22"W x 24"D

The machine is 35"D, and is designed to overhang 11" off the front of bench to allow for large format marking through the bottom base plate (Class IV)

Laser Power: 20watt - 100watt

Laser Type: IPG, SPI/Trumpf, or LMT MOPA fiber source

Wavelength: 1064nm

kHz: 1-4000kHz, depending on machine model

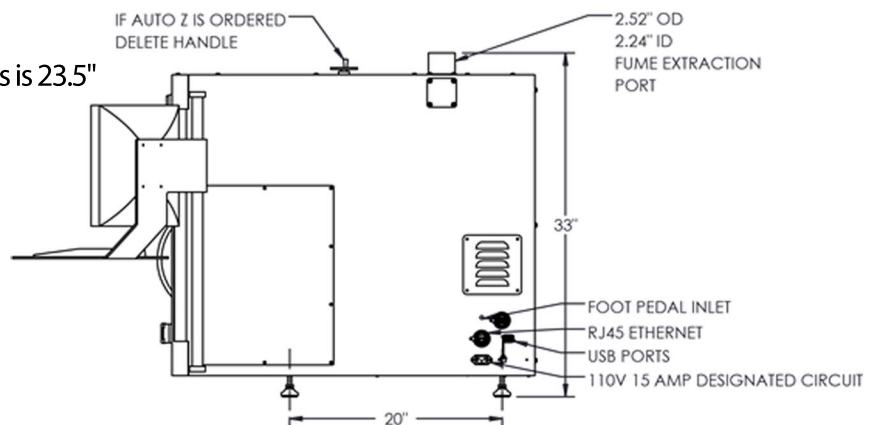
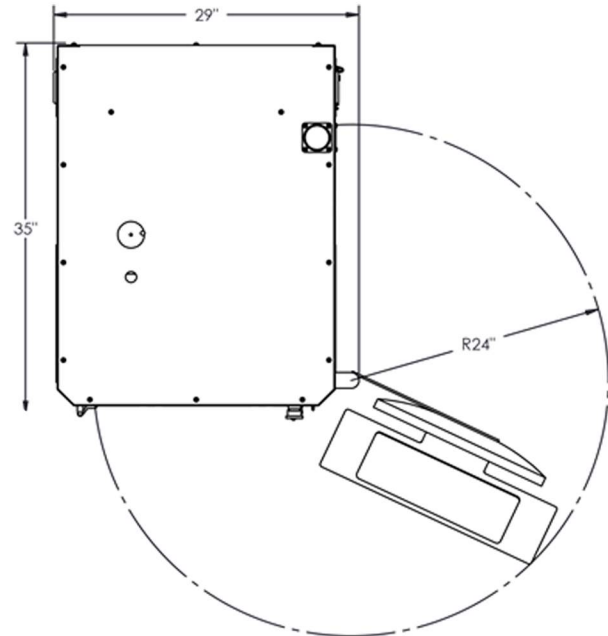
Electrical Requirements: 110VAC (15 Amps)

Fume Extraction Requirements: 205 CFM @96mb

Scan Head: LMT Digital Scan Head

Warranty: 39 months on LMT MOPA or 36 months on IPG and SPI/Trumpf laser sources.

2 year on machine components. (see warranty terms)



Our large stand alone Cobalt® XL has limitless capabilities. This unit has options including an automatic x-axis with 35" of marking area, 2 place turntable, rotary, auto door, conveyor system and tilting scanhead with 180 degrees of motion.

COBALT® XL



See it in action here!

- AUTOMATIC Z-AXIS
- INTEGRATED PC PRE-LOADED WITH SOFTWARE
- XL MARKING AREA WITH 7 PLACE DOCKING STATION
- DUAL RED AIMING BEAMS FOR EASY FOCUS
- OPTIONAL AUTOMATED X-AXIS FOR 35" OF MARKING AREA
- LARGE FULL HEIGHT SIDE DOOR FOR EASY MACHINE ACCESS
- REMOVABLE SIDE PANELS
- ADJUSTABLE HEIGHT WORK TABLE FOR LARGE PART MARKING
- HEAVY DUTY LEVELING CASTERS FOR MOBILITY

SPECIFICATIONS

Cobalt® XL Specifications/Footprint

Max Marking Area:

Standard 163 FL Lens: 4.33" x 35" (with auto x axis)
Optional 100 FL Lens: 2.15" x 32.15" (with auto x axis)
Optional 254 FL Lens: 6.89" x 36.89" (with auto x axis)

Machine Footprint:

55"W (less monitor swing arm) x 36.68"D x 77.5"H

Max Work Piece:

Standard 163 FL Lens:
Factory set: Up to 8"H x 44"W x 28"D
User Adjustable: 41"H x 44"W x 20"D
Optional 254 FL Lens:
Factory set: Up to 8"H x 44"W x 28"D
User Adjustable: 37"H x 44" W x 20"D

Laser Power: 20watt - 200watt

Laser Type: IPG, SPI/Trumpf, or LMT MOPA

Wavelength: 1050 - 1090nm depending on machine model

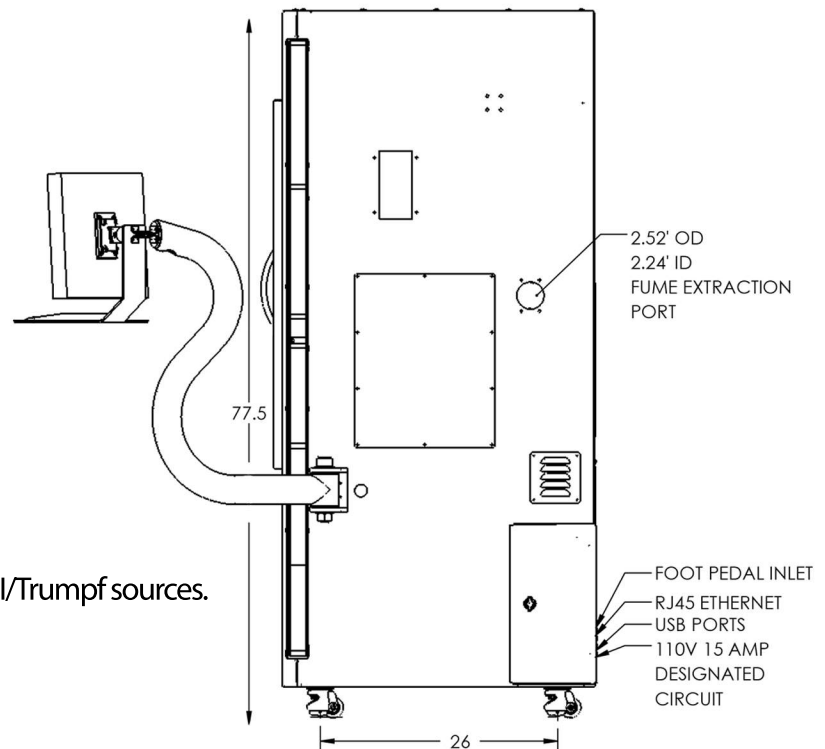
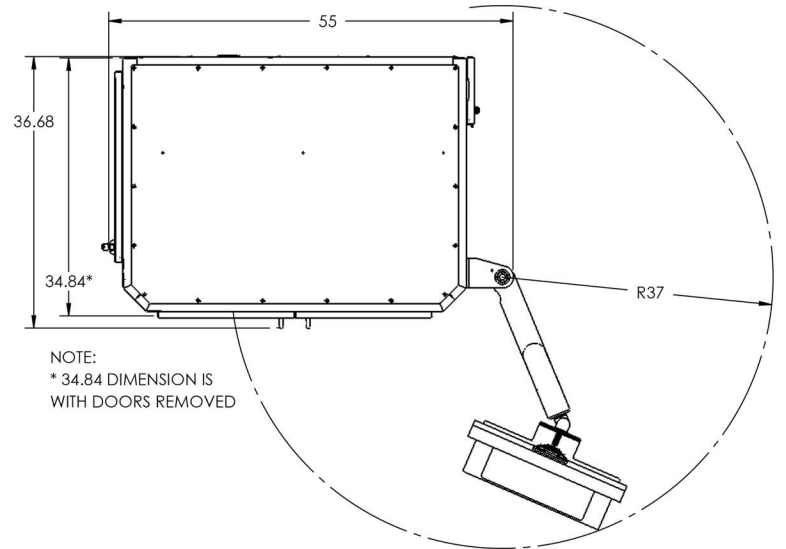
kHz: 1-4000kHz, depending on machine model

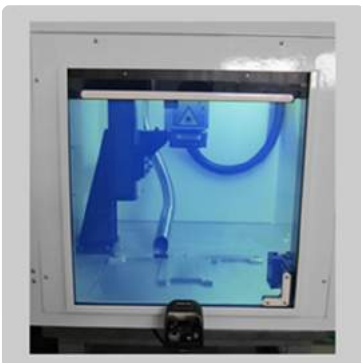
Electrical Requirements: 110VAC (15 Amps)

Fume Extraction Requirements: 205 CFM @96mb

Scan Head: LMT Digital Scan Head

Warranty: 39 months on LMT MOPA. 36 months on IPG and SPI/Trumpf sources.
2 years on machine components. (see warranty terms)





DOMINATOR AUTO DOOR

LMT-D-AD -- Auto Door with opti touch activation and pneumatic actuation. This option frees up the operator to perform other tasks while the machine is marking, which speeds up operation.



TAG SLIDER

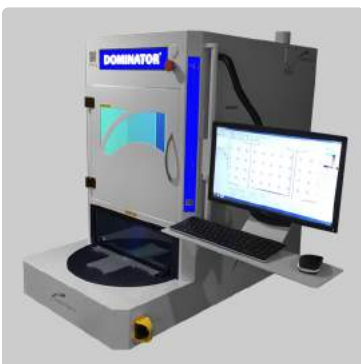
LMT-ATS

Min Tag Size = 1"W x .75"D x .02" thick

Max Tag Size = 4"W x 3.25"D x .125" thick

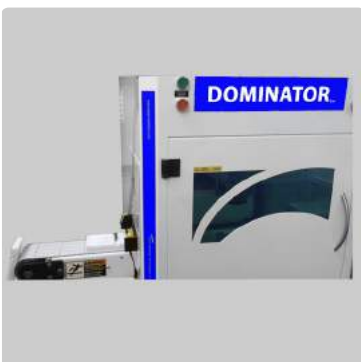
Total tag stack height = 3"

Available on both Dominator and XL



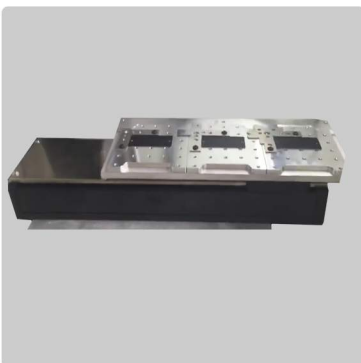
DOMINATOR TURNTABLE

LMT-D-R-2PL -- Optional 180 degree turntable with 2 positions for quick loading while marking. Diameter plate with fixturing holes. Stepper driven programmable motion, Class I Laser safe solution. Retrofit option available, upgrade your existing dominator system for unmanned operation.



DOMINATOR CONVEYOR

LMT-C4 , LMT-C6, LMT-C8 -- The thru-put conveyor is integrated into a Cobalt laser system, available in standard sizes of 4', 6' or 8' length with 4" wide reinforced timing belt for up to a 4" + wide product. **NOTE:** Custom pallets to be quoted per job or can easily be manufactured by the end user per their own requirements.



AUTOMATIC X-AXIS

LMT-D-AUTO-X

10" of programmable marking area. (Includes docking station and 3 aluminum plates) Please note this option cannot be used in conjunction with the Dominator R3J Rotary option.

Only available on the Dominator series machines

XL TURNTABLE

LMT-XL-R-2PL --180 degree turntable with 2 positions for quick loading while marking. This allows for the operator to load the next set of parts while the machine is marking.



5C ROTARY

LMT-R5C -- High speed rotary axis with 5C collet system for continuous marking of the part diameter.

Features include:

- Precision pneumatic rotary union
- Continuous marking around diameter
- Pneumatic activation
- 1.0625" diameter **PASS THROUGH CAPABILITY**
- **UNLIMITED PART LENGTH**



X35 AXIS

LMT-X35 -- 35" of programmable marking area. This option adds 35" of programmable marking area to the X axis when using a standard 163 FL lens.

Only available on XL Series machines.

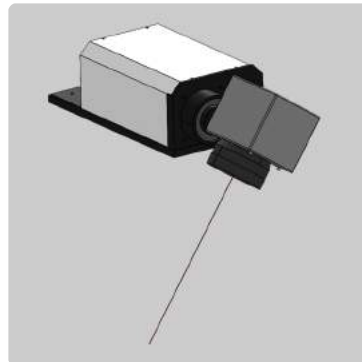


TILTING SCAN HEAD

LMT-RH

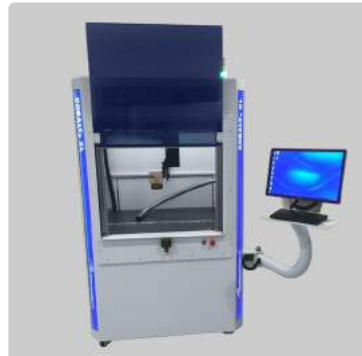
Tilting Scanhead to allow for 180 degrees of programmable rotation which enables your machine to engrave items that have angles and are not able to be processed with standard machine geometry

Only available on the XL series of machines



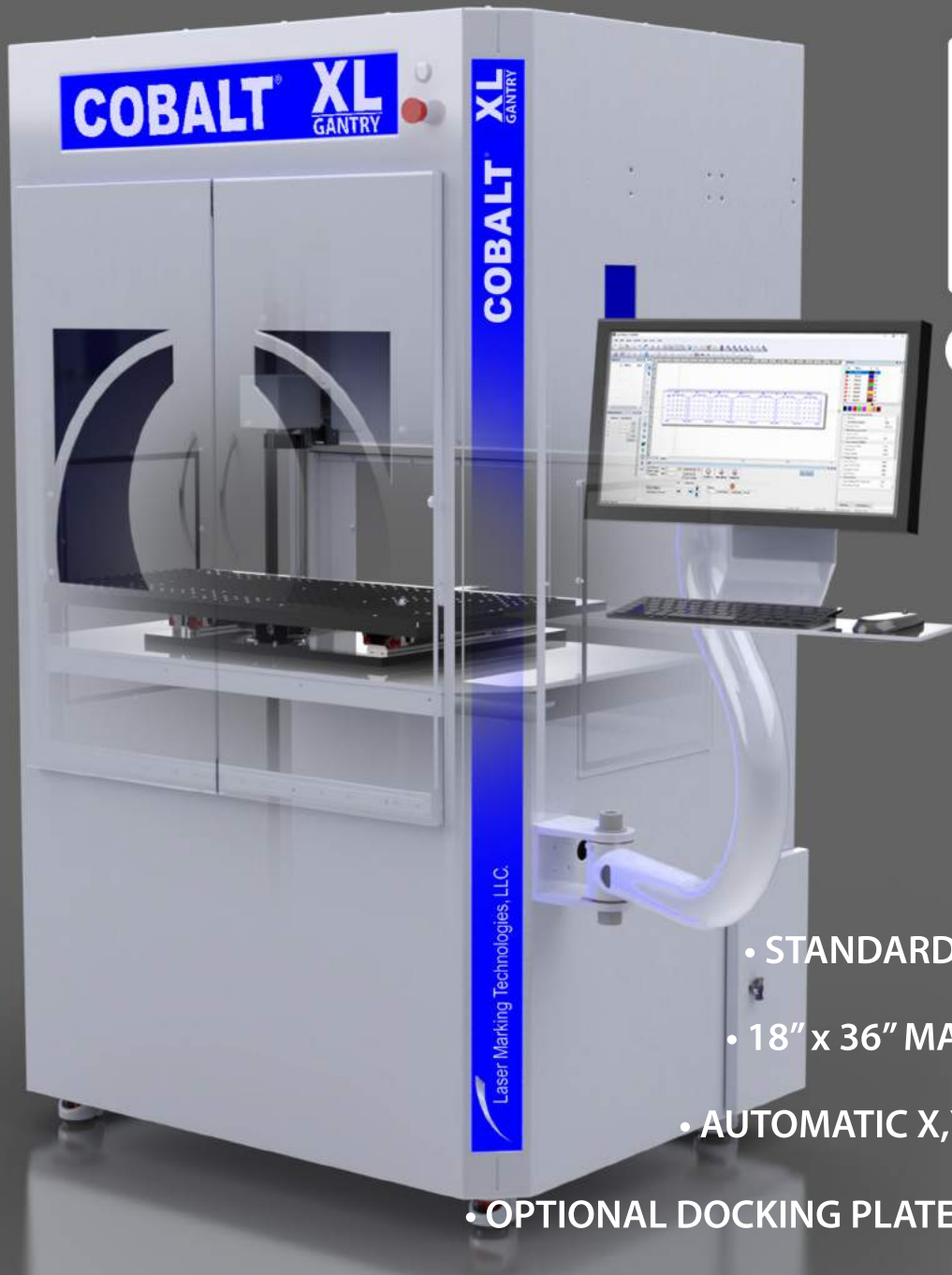
XL AUTO DOOR

LMT-XL-AD -- Auto-Door with opti touch activation and pneumatic actuation. This option frees the operator to perform other tasks while the machine is marking increasing both efficiency and productivity.



The **Cobalt® XL Gantry** with an 18" x 36" marking area. This system utilizes upgraded 64-bit industrial grade software to handle the most intense graphic files.

GANTRY XL



- STANDARD 254 FL LENS
- 18" x 36" MARKING AREA
- AUTOMATIC X,Y, and Z-AXIS
- OPTIONAL DOCKING PLATES AVAILABLE
- POWDER COATED STEEL CABINET
- UPGRADED 64-BIT INDUSTRIAL GRADE PC & SOFTWARE TO HANDLE THE MOST INTENSE GRAPHIC FILES (MIN. INTEL CORE i5-8400 SSD | MIN. 16GB RAM)
- HEAVY DUTY PRECISION CNC STYLE LINEAR GUIDEWAYS SYSTEM PROVIDING +/- .007" POSITIONAL ACCURACY ACROSS THE WORKING AREA

*Please note front left corner has reduced marking area of approx. 3.8" due to an angle that must be cut.

SPECIFICATIONS

Cobalt® XL Gantry Specifications/Footprint

Max Automated Marking Area:

Standard 254 FL Lens: 36.89"W x 18"D

Optional 163 FL Lens: 35"W x 15.44"D

Optional 100 FL Lens: 32.5"W x 13"D (with auto x axis)

Machine Footprint:

55"W (less monitor swing arm) x 36.68"D x 77.5"H

Max Work Piece:

Standard 254 FL Lens:

Factory set: Up to 8"H x 36.89"W x 18"D

Optional 163 FL Lens:

Factory set: Up to 8"H x 35"W x 15.44"D

Laser Power: 20Watt standard, Optional 50W-100W

Laser Type: IPG, SPI/Trumpf or LMT MOPA

Wavelength: 1064nm

kHz: 1-4000kHz depending on machine model

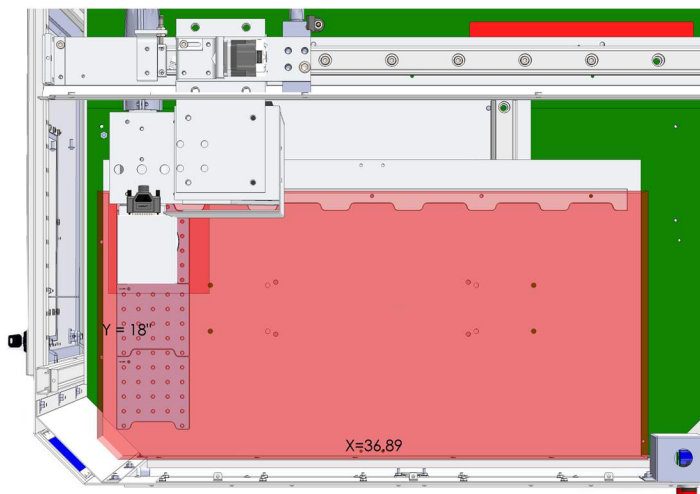
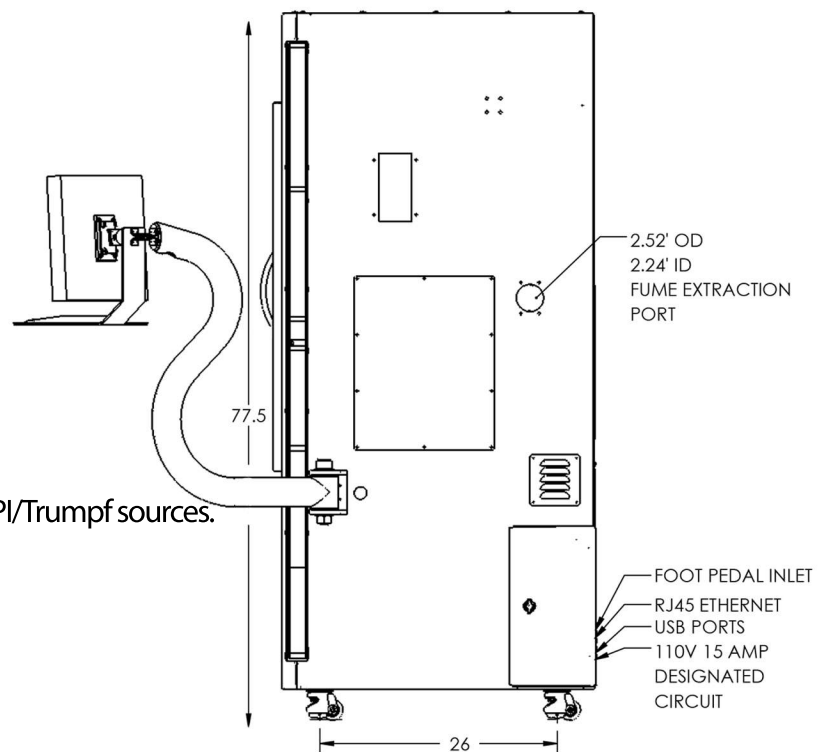
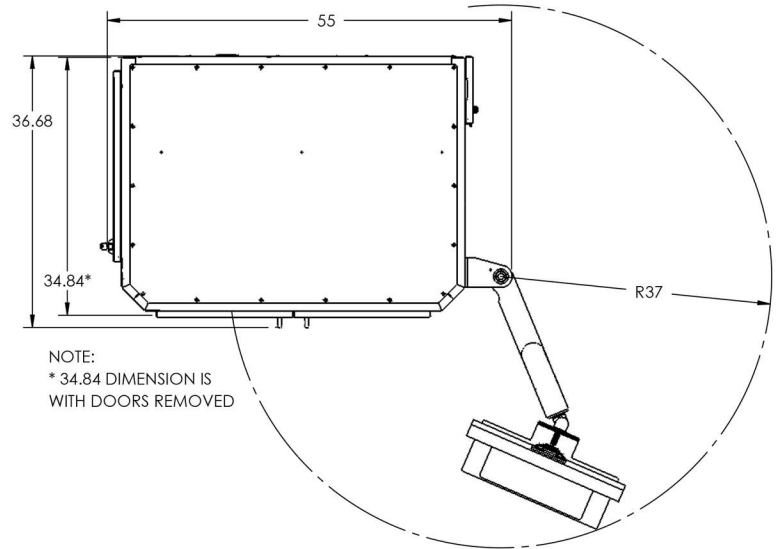
Electrical Requirements: 110VAC (15 Amps)

Fume Extraction Requirements: 205 CFM @96mb

Scan Head: LMT Digital Scan Head

Warranty: 39 months on LMT MOPA, 36 months on IPG and SPI/Trumpf sources.

2 years on machine components. (see warranty terms).



Pico Lasers were initially created for marking within the medical industry. Today, they are used on a large scale, as it guarantees high-quality marking. For medical device manufacturers, the picosecond laser ensures black marking without any reflections. Additionally, laser marking with picosecond withstands citric and nitric passivation cycles.

COBALT[®] XL R



- ULTRA-FAST, 3 TIMES FASTER THAN TRADITIONAL FIBER LASERS
- ULTRA-SHORT PULSE DURATIONS ALLOW PICOSECOND LASER TO MARK MATERIALS THAT INFRARED NANOSECOND LASERS CANNOT
- SMALLER BEAM FOR INCREASED ENERGY DENSITY
- NO OXIDATION WITH PROPER CITRIC AND NITRIC PASSIVATION
- PERMANENT, NON-FADING AND CORROSION RESISTANT MARKS
- DARK BLACK, HIGH CONTRAST MARK
- COLD ABLATION MAKES IT SUITABLE FOR A WIDE RANGE OF MATERIALS AND APPLICATIONS
- SHALLOW WITH MINIMAL SURFACE ABLATION TO PREVENT BACTERIA ACCUMULATION
- EXTREMELY LIMITED HAZ (Heat Affect Zone) AREA

SPECIFICATIONS

Cobalt® XL RX Specifications/Footprint

Max Marking Area:

254 FL Lens: 15.89"W x 9.89"D

Machine Footprint:

55"W (less monitor swing arm) x 36.68"D x 77.5"H

Depth without Doors 34.84"

Max Work Piece:

254 FL Lens:

Factory set: Up to 7.5"H x 15.89"W x 9.89"D

Laser Power: 30 Watt PICO

Laser Type: LMT DPSS MOPA

Wavelength: 1064nm

kHz: 1Hz

Electrical Requirements: 110VAC (15 Amps)

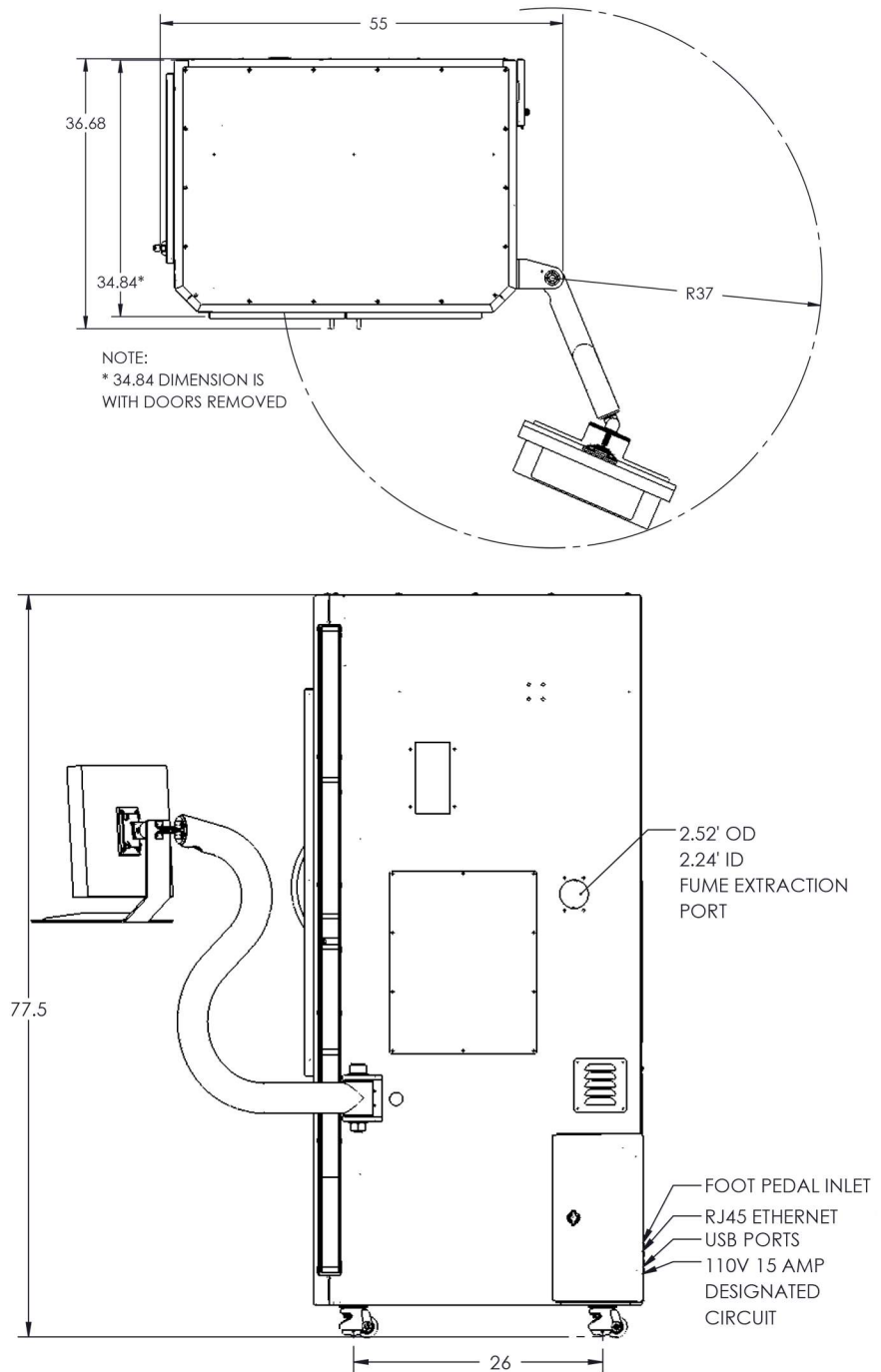
Fume Extraction Requirements: 205 CFM @96mb

Scan Head: LMT Digital Scan Head

Cooling: Liquid Cooled

Warranty: 18 months on LMT MOPA.

2 years on machine components. (see warranty terms).



FUSION[®] XL

COBALT



See it in action here!



- NO FREE SPACE OPTICS
- CLASS I LASER SAFE CABINET
- OUTSTANDING BEAM STABILITY
- WALL PLUG EFFICIENCY NEAR 30%
- DIGITAL HDMI CAMERA/DIRECT CONNECTIVITY TO LMT HD MONITOR 1/3" CCD TRUE 1080 HD O/P @ 60 FPS
- 150W to 5000W CW, MULTIPLE PEAK QUASI-CW 1064nm FIBER LASER WELDER
- PULSE SHAPING CAPABLE WITH RAMP UP/RAMP DOWN FEATURES
- GAS ASSIST, IPG PHOTONICS BRAND FLW-D30 & FLW-D50 WELDING HEAD FOR EFFICIENT ARGON OR NITROGEN SHIELD GAS DELIVERY



See it in action here!

- COMPLETE MOBILITY: COMPACT SIZE
- PLUG AND PLAY 110 VOLT
- 300-WATT AND GREATER PULSED FIBER LASER SOURCES
- REMOVE PAINT, RUST AND OTHER SURFACE DEBRIS WITHOUT CAUSING DAMAGE TO THE SUBSTRATE
- MODIFY AND SAVE FREQUENCY, POWER, PULSE WIDTH, SPEED AND ADJUSTABLE XY CLEANING PATHS
- EASY TO USE TOUCH-SCREEN INTERFACE
- SCANNER COOLING BUILT INTO UNIT
- INCLUDES RED BEAM CONTROL FOR PREVIEW
- OPTIONAL 160, 254 AND 330 LENSES

COBALT[®] RR 300

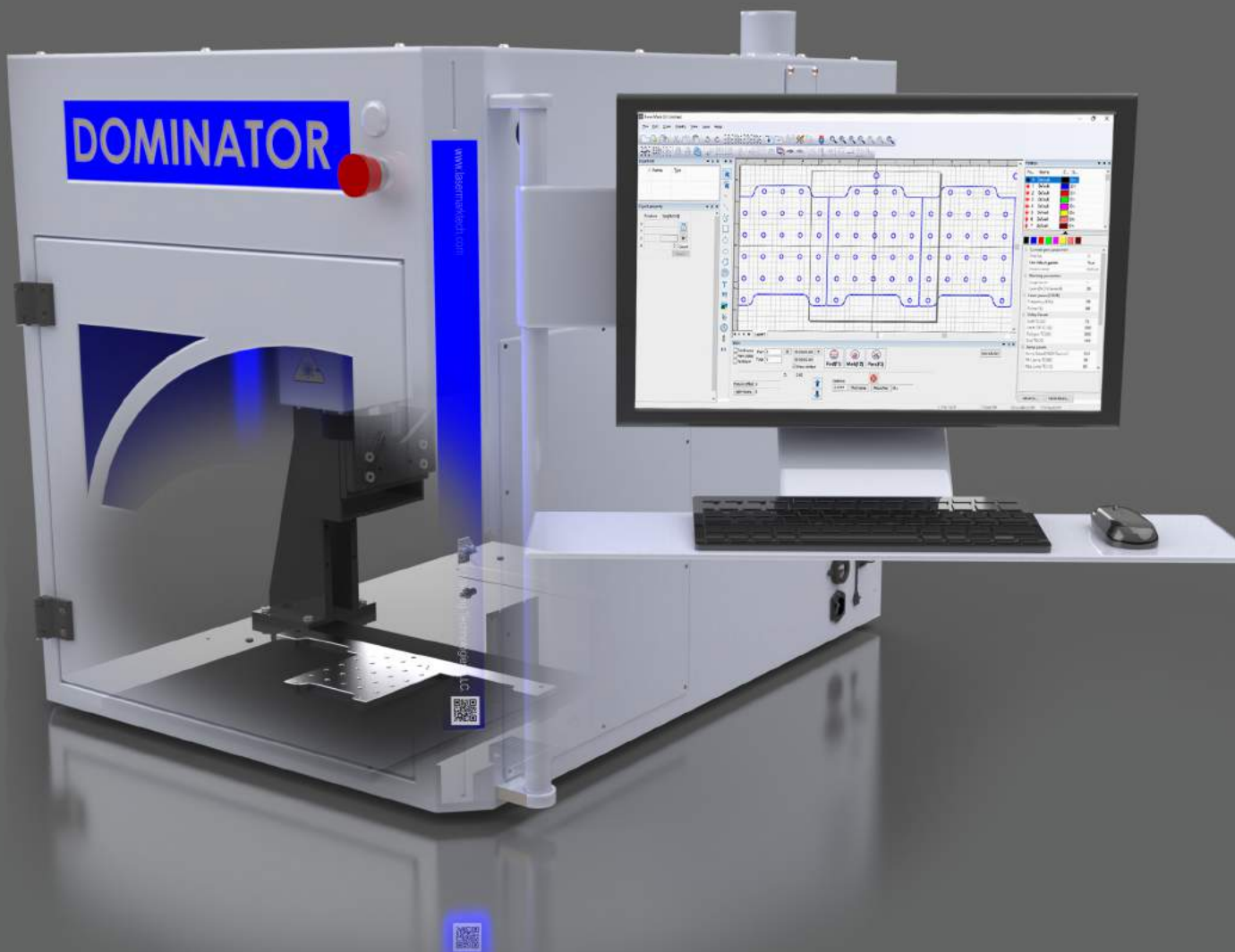
AVAILABLE IN

UV
355nm

GREEN
532nm

CO₂
10.6µm

DOMINATOR®



UV 355nm

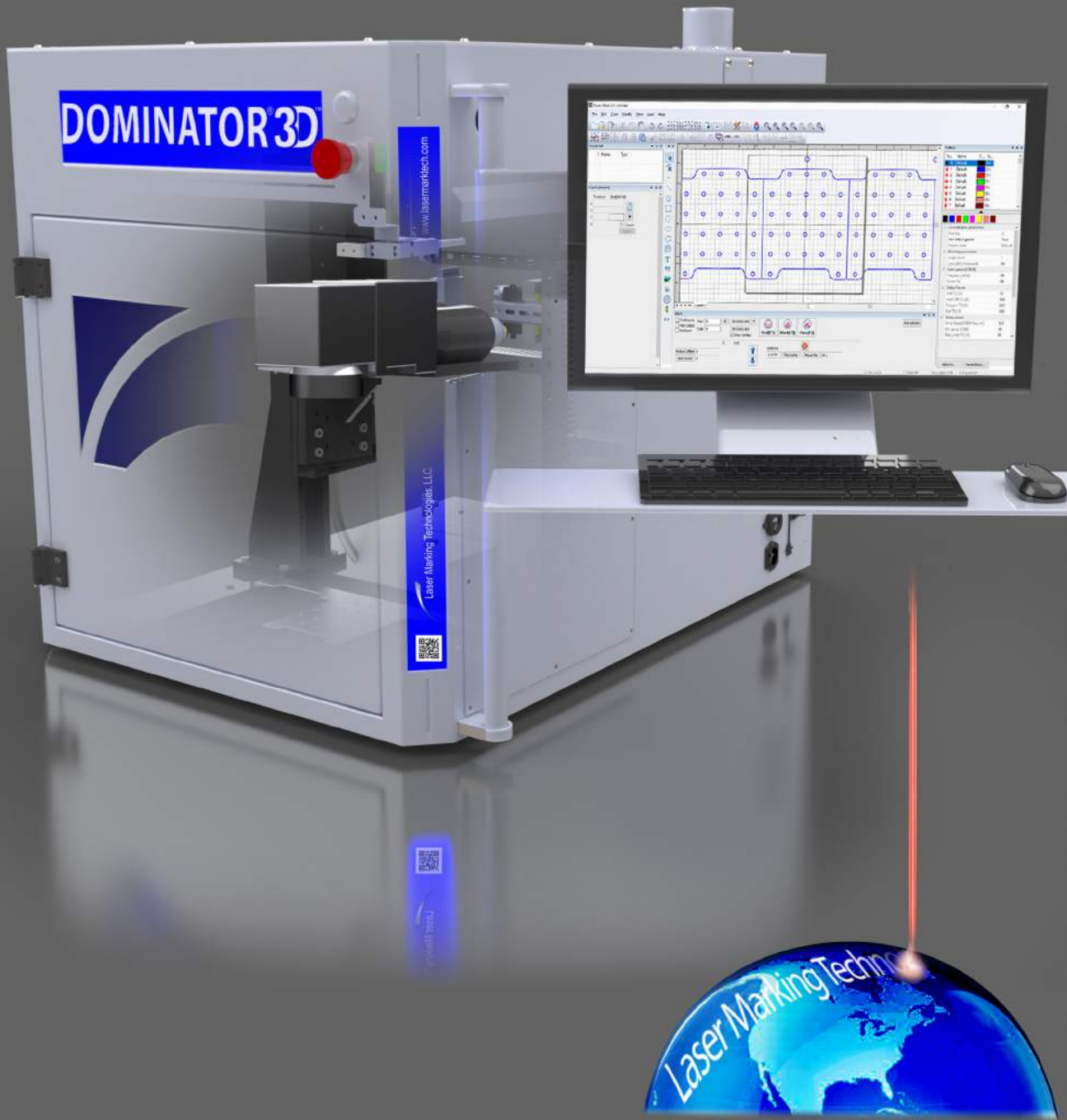
- 355NM WAVELENGTH WITH >5 WATTS OUTPUT
- TIGHT SPOT SIZE FOR FINE MARKINGS
- LARGE FOCAL DEPTH FOR PROCESS FLEXIBILITY
- SMALL PROCESSING HEAT AFFECTED ZONE
- AIR COOLED
- EFFICIENT PROCESSING OF MATERIALS INCLUDING GLASS, OTHER ORGANIC MATERIALS AND PLASTICS THAT OTHER WAVELENGTHS MAY STRUGGLE WITH
- ALL DOMINATOR OPTIONS AVAILABLE IN THIS WAVELENGTH
- PRODUCES A VERY VISIBLE CONTRAST MARK ON REFLECTIVE MATERIAL SUCH AS GOLD/SOLVER/COPPER DUE TO HIGH ABSORPTION RATE
- 18 MONTH WARRANTY ON LASER SOURCE / 24 MONTHS ON ALL MACHINE COMPONENTS

GREEN 532nm

- 532NM WAVELENGTH WITH >10 WATTS OUTPUT
- EFFICIENT PROCESSING OF SOFT PLASTICS, PCB BOARDS, INTEGRATED CIRCUIT CHIPS AND FOR SCRIBING OR MARKING OF SOLAR CELLS OF VARIOUS MATERIAL COMPOSITIONS.
- SMALL SPOT SIZE FOR FINE MARKINGS
- LOW THERMAL TRANSFER TO WORK SURFACES, WHICH IS PERFECT FOR HIGHLY SENSITIVE MATERIALS
- CAN BE USED IN COATING REMOVAL MARKING WITH THIN LAYER COATING, WORKING ON MATERIALS THAT DO NOT REACT TO OTHER FORMS OF INFRARED BEAMS.
- WATER COOLED FOR THERMAL STABILITY
- IDEAL FOR MARKING SEMI-CONDUCTORS, CERAMICS AND EPOXY RESINS
- 18 MONTH WARRANTY ON LASER SOURCE / 24 MONTHS ON ALL MACHINE COMPONENTS
- ALL DOMINATOR OPTIONS AVAILABLE IN THIS WAVELENGTH

CO₂ 10.6µm

- USA BUILT AND MANUFACTURED SYNRAD RF METAL LASER TUBE
- SAFE FLEXIBLE AND VERSATILE LASER SYSTEM ENCASED IN OUR FDA CDRH SAFE ENCLOSURE
- HIGH PRECISION AND UNSURPASSED SPEED COMPARED TO A TRADITIONAL CO₂ PLOTTER SYSTEM
- APPLICATIONS: LEATHERS, CLOTH JEAN MATERIALS, ACRYLICS, PLASTICS, WOOD, GLASS, CERAMICS, PAPER, STONE AND MORE
- RAL - VISIBLE RED LASER FOR PART ALIGNMENT AND PRE-MARK PREVIEW
- FOOT PEDAL INCLUDED FOR PRODUCTION JOB RUNS
- OPERATING SOFTWARE AND DELL PC INCLUDED
- AUTOMATIC Z AXIS FOR PRECISE, PROGRAMMABLE CONTROL
- 18 MONTH WARRANTY ON LASER SOURCE / 24 MONTHS ON ALL MACHINE COMPONENTS
- ALL DOMINATOR OPTIONS AVAILABLE IN THIS WAVELENGTH



- DYNAMICALLY FOCUSED Z TRAVEL
- COMPACT TABLETOP DESIGN
- DIRECT IMPORT OF 3D .STL FILES
- HIGH QUALITY LASER SOURCE AND OPTICS
- READY TO MARK PACKAGE WITH PC, PRE-LOADED SOFTWARE WITH COMPLETED CALIBRATION



See it in action here!

DOMINATOR[®] 3D

COBALT[®] MARKSMAN



See it in action here!

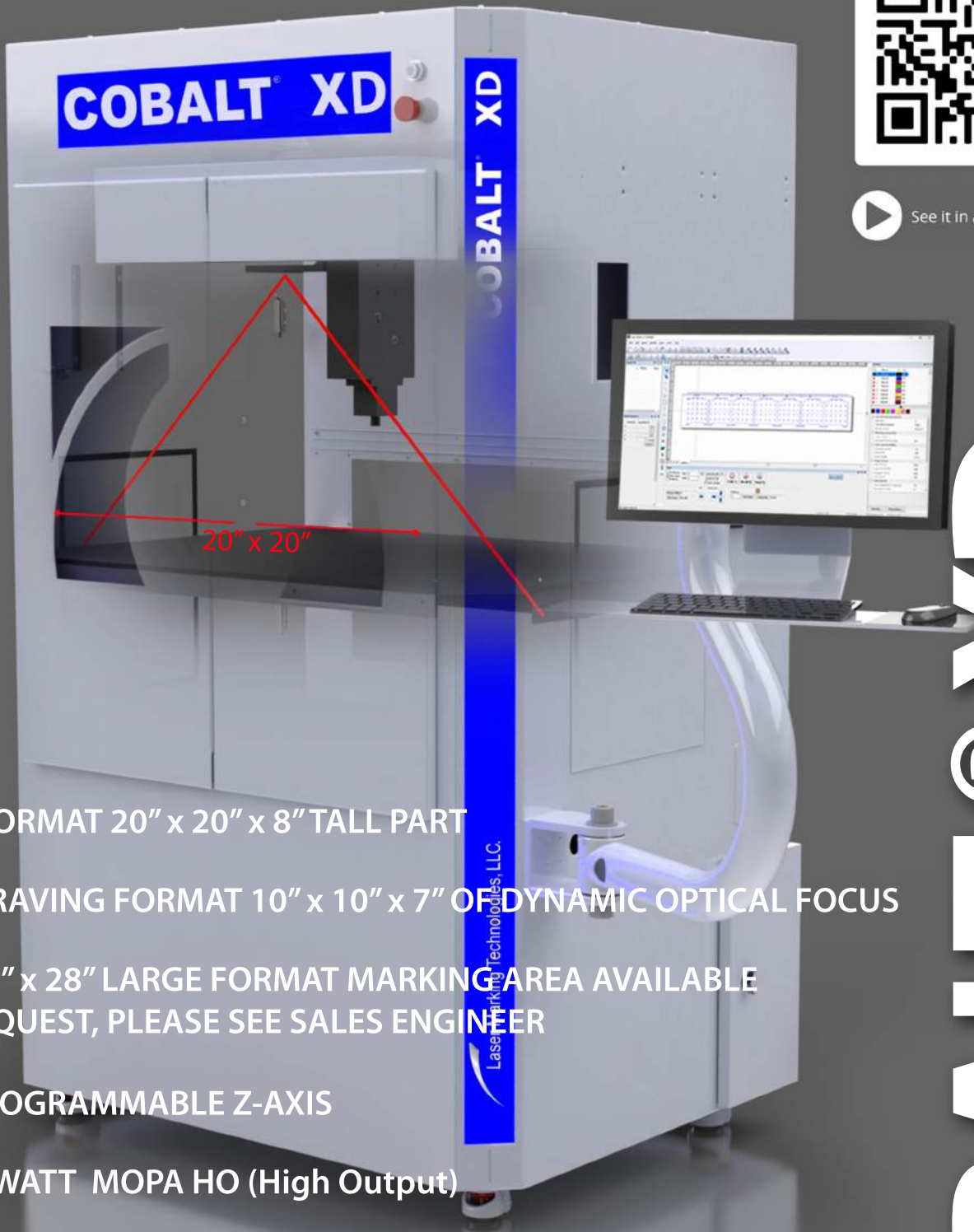


- FULL LENGTH ENGRAVING OF THE GUN AND 360 DEGREES OF THE BARREL
- WORK PLATE AND HIGH PRECISION PALLET FOR FLAT PARTS
- EASILY GET THE ATF-FFL478.92 DEPTH YOU NEED
- QUICKEST MOST RELIABLE FIXTURING SYSTEM IN THE LASER INDUSTRY
- CUSTOM PAT. PENDING FIXTURE DESIGN WITH QUICK REPEATABLE LOCATING SYSTEM

AVAILABLE IN 3D AND LARGE FORMAT LASER



See it in action here!



- LARGE FORMAT 20" x 20" x 8" TALL PART
- 3D ENGRAVING FORMAT 10" x 10" x 7" OF DYNAMIC OPTICAL FOCUS
- UP TO 28" x 28" LARGE FORMAT MARKING AREA AVAILABLE UPON REQUEST, PLEASE SEE SALES ENGINEER
- AUTO PROGRAMMABLE Z-AXIS
- 50 - 200 WATT MOPA HO (High Output)
- 64-BIT DYNAMIC FOCUS SOFTWARE WITH HIGH PERFORMANCE PC TO SUPPORT DETAILED GRAPHICS
- PREMIUM, DIGITALLY DRIVEN GALVO OPTICS
- ADJUSTABLE HEIGHT WORK TABLE FOR LARGE PART MARKING
- NO EXTERNAL X/Y MOTION FOR LARGE FORMAT MARKING

COBALT[®] XD

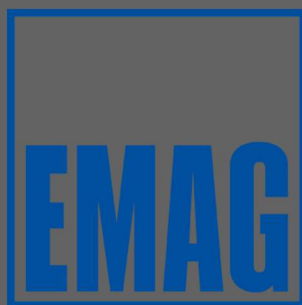
INTEGRATION & AUTOMATION



- COMPATIBLE WITH MAJOR PLC'S WHEN USING OPTIONAL DTS™
(FANUC - KAREL USER SOCKET MESSAGING - ALLEN BRADLEY - ETHERNET/IP & SIEMENS - PROFINET)
- DISCRETE I/O FOR SIMPLIFIED HANDSHAKING BETWEEN LASER AND YOUR AUTOMATION
- INTEGRATED TOUCH SCREEN PC WITH LASER CONTROL SOFTWARE

LMT Certified Integrators

With out of the box thinking our integrators have brought the best talent and vendors together to develop leading edge, cost-effective automation and assembly solutions for any project.

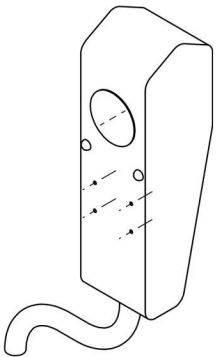


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AUTOMATION

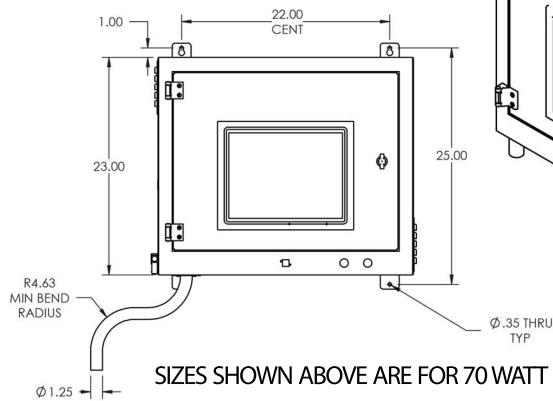
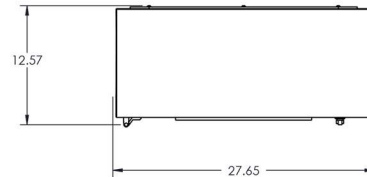
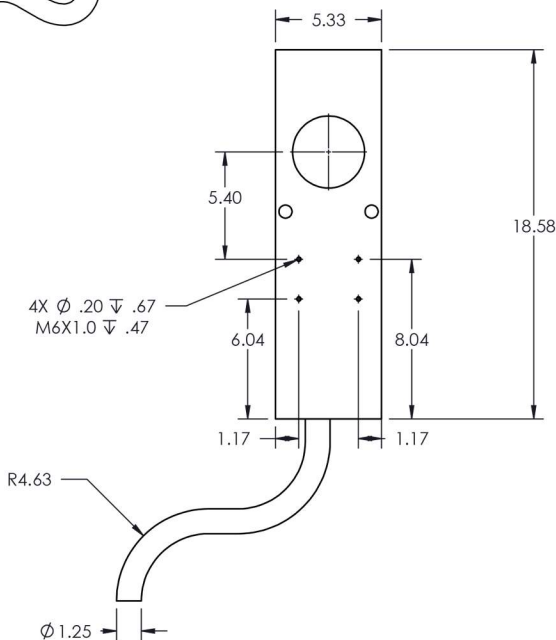


JR AUTOMATION™

INTEGRATOR PACKAGE

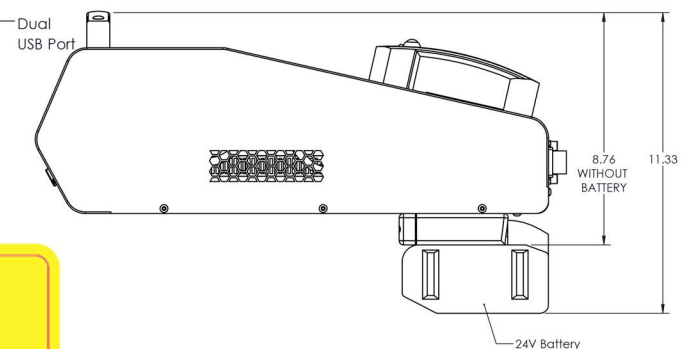
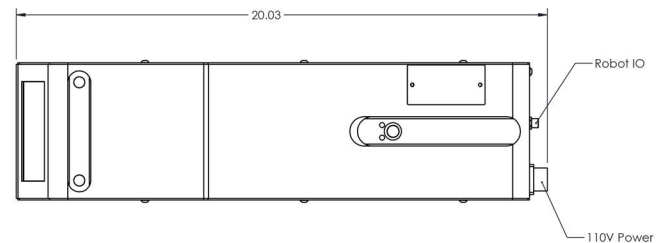
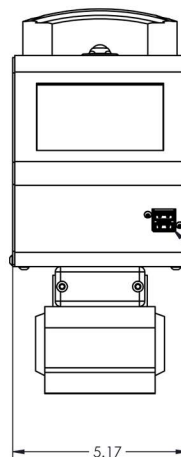
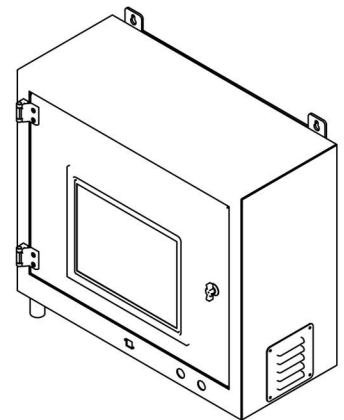


* PLEASE NOTE THAT THE
SCAN HEAD MUST BE
MOUNTED WITHIN 6 FT OF
THE CONTROL PANEL



SIZES SHOWN ABOVE ARE FOR 70 WATT AND UNDER

100 WATT - 200 WATT SYSTEMS AVAILABLE IN A LARGER FORMAT



* HANDHELD/STANDALONE ALL IN ONE
INTEGRATOR UNIT. DOES NOT HAVE ANY
FIBER CABLE LENGTH CONSTRAINTS.

**INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT**
Wavelength 1040 - 1200 nm
Pulsed output - Max average power < 100W
- Max pulse energy < 2.0 mJ
- Repetition freq. 1 - 1000kHz
- Pulse duration 1ns - 500ns
CW Output power < 100W
IEC EN 60825 - 1:2007

Component for Incorporation

This product is intended as a
component for incorporation
into a laser product, and as
such, requires additional
features for Laser Safety and to
comply with IEC/EN60825 - 1
and 21CFR1040.10

**VISIBLE LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3 LASER PRODUCT**
Wavelength 630 - 670 nm
OUTPUT < 5mW CW
IEC/EN 60825 - 1:2007



Our compact desktop eCobalt®, priced to fit your budget, is available in 20 and 50 watt pulsed fiber systems. This unit is perfect for your entry level marking needs. Available in two formats: Class I and Class IV



See it in action here!



Everything you need
to go from crate to
marking in less than
5 minutes!

- LARGE WORK AREA
- INTERNAL LED LIGHTING
- DUAL RED AIMING BEAMS FOR EASY FOCUS
- HIGH PRECISION LAB JACK FOR FOCAL HEIGHT ADJUSTMENT
- SUPPLIED WITH DELL® LAPTOP PRE-LOADED WITH SOFTWARE
- MANUAL TILT ROTARY IS STANDARD ON CLASS IV MODEL,
BUT NOT AVAILABLE ON CLASS I MODEL

ECOBALT®

SPECIFICATIONS

Cobalt® eCobalt® Specifications/Footprint

Max Marking Area:

Standard 163 FL Lens: 4.33" x 4.33"

Optional 254 FL Lens: 6.89" x 6.89"

Machine Footprint:

24"W x 25"D x 30"H

Max Work Piece:

Standard 163 FL Lens: 0 - 4"H or 5.25" - 10"H x 14"W x 10"D

Optional 254 FL Lens: Up to 5.25"H x 14"W x 10"D

Laser Power:

20Watt standard, Optional 50Watt

Laser Type: IPG, SPI/Trumpf or LMT MOPA

Wavelength:

1064 - 1090nm depending on machine model

kHz: 1-4000kHz, depending on machine model

Electrical Requirements: 110VAC (15 Amps)

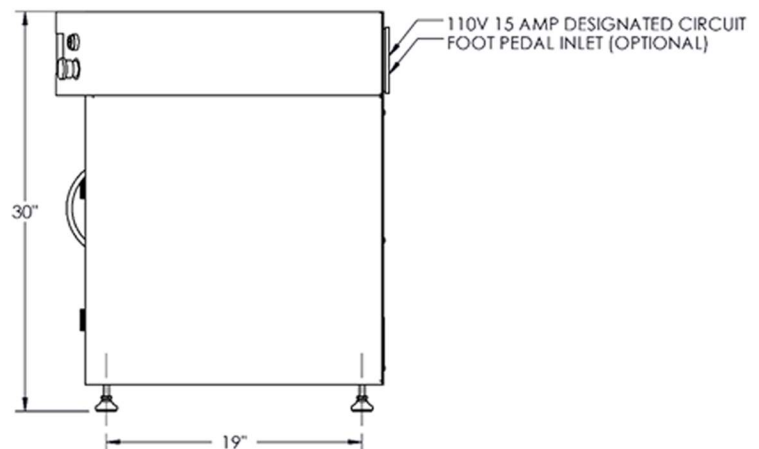
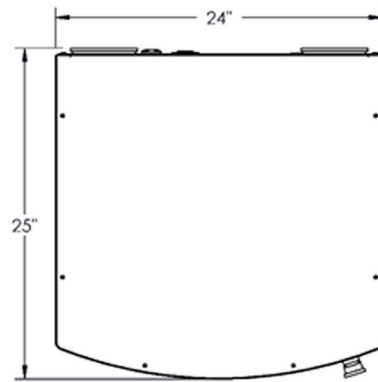
Scan Head: LMT Digital Scan Head

Warranty:

2 years on IPG and SPI /Trumpf laser sources

26 months on LMT MOPA source

2 years on machine components. (see warranty terms).





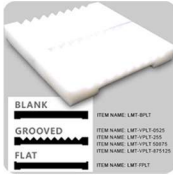
LENS OPTIONS

LMT-163FL lens with a marking area of 4.33" x 4.33" | LMT-254FL lens with a marking area of 6.89" x 6.89" | LMT-100FL lens with a marking area of 2.15" x 2.15"



FOOT PEDAL

LMT-E-FP - Foot Pedal for the eCobalt, standard on Dominator and XL



PALLETS

LMT-VPLT-0525, LMT-VPLT-255, LMT-VPLT-50875, LMT-VPLT-875125 - v-groove pallet from .500" to 1.25" diameter parts LMT-FPLT for flat marking.
LMT-BPLT - blank pallets. Opening for pins to fit docking station



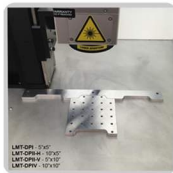
AUTO Z

Automatic programmable z-axis for focus



ROTARY AXIS

LMT-R3J - available in 3" and 6" for the Dominator and Cobalt XL
LMT-R5C - 5C pneumatic clamping rotary



DOCKING STATION

Mounted Docking Station with Aluminum Pallet. Optional fixture plates available in 3 size: • 5in x 5in • 5in x 10in • 10in x 10in

Standard 3 place station for the Dominator, 7 place station for the Cobalt XL



EZ-STOP FIXTURE KIT

This fixture kit includes:

- LMT-VPLT-225: Delrin pallet for parts .25" to .5"
- LMT-VPLT-50875: Delrin pallet for parts .5" to .875"
- LMT-VPLT-875125: Delrin pallet for parts .875" to 1.25"
- LMT-FPLT: a white Delrin pallet recessed 4"
- LMT-EZ-I: Steel Long Stop
- LMT-EZ-II: Steel L Stop
- LMT-EZ-III: Steel Small Tee
- LMT-EZ-IV: Steel Big Cross
- LMT-EZ-V: Aluminum V Blocks, magnetic (set of 2)
- LMT-DPI: 5" x 5" Single Docking Plate
- LMT-DPII-H: 10" x 5" Two Place Horizontal Docking Plate
- LMT-EZS-HGP: Guide Pins, Qty 10
- LMT-OLP: Offline Programming Dongle
- LMT-EZS-M4AW: M4 Allen Wrench
- LMT-EZS-M6B: M6 Bolts for Fixtures, Qty 8
- LMT-EZS-CC: Carrying Case

FUME EXTRACTION SYSTEMS

	VORTEX AIRMATE ESV "Vortex"	LMT-ES1 Micro ES1 "Micro"	LMT-ES2 Compact-X ES2 "Compact-X"	LMT-ES3 Basys ES3 Basys CD-1	
DESCRIPTIONS	Vortex AirMate	LMT ES1 Micro	LMT ES2 Compact X	LMT ES3 Basys	
Noise	32dBA	55dB	50dB	55dB	
Max Airflow	402 CFM	128 CFM	210 CFM	210 CFM	
Pressure	503 Pa	60"wc	40" wc	40" wc	
Height	17.5"	26"	29"	24"	
Width	10"	10"	15"	38"	
Depth	8.5"	17"	21"	28"	
Fiber Matrix Macro Particle Pre-Filter	N/A	N/A	N/A	Washable	
Glassfiber Submicron Pre- Filter (F9)	N/A	3m ²	6m ²	6m ²	
Glassfiber HEPA (H14)	N/A	3m ²	6m ²	6m ²	
Oxy Carbon Filter	N/A	20 lbs	40 lbs	20 lbs	
Blower Type	EC Motor - Brushless	Digital Brushless	Digital Brushless	Digital Brushless	
Airflow Control System	User selected, no filters or alarms	Proportional auto- compensating flow control with Filter-Checks & Alarms	Proportional auto-compensating flow control with Filter-Checks & Alarms	Proportional auto-compensating flow control with Filter-Checks & Alarms	
User Interface	8-speed user selectable digital interface	Back-lit LCD display with heavy-duty push buttons	Back-lit LCD display with heavy- duty push buttons	Back-lit LCD display with heavy- duty push buttons	
Laser Link	N/A	N/A	Laser controlled on/off + alarm output (cable included)	Laser controlled on/off + alarm output (cable included)	
Vacuum Connection	6" connection for customer-supplied hose duct	Flexible duct (included)	Flexible duct (included)	Integrated hard duct w/macro particle pre-filter port	
Flexible Suction Arm	N/A	N/A	N/A	N/A	
Fixture Kit Storage Drawer	N/A	N/A	N/A	YES (Fixture kit not included)	
Supports Weight of Laser	N/A	N/A	N/A	YES	
Voltage	100-240V AC	120V	230/120V (Universal voltage)	230/120V (Universal voltage)	
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	
Wattage	.2kW	0.7 kW	1.1 kW	1.1 kW	
Current	1.67 A	8A	6A/15A	6A/15A	
Warranty	2 year	2 year	2 year	2 year	
Packaging Type	Boxed in 1 box (FedEx/UPS)	Boxed in 2 boxes strapped (FedEx/UPS)	Boxed and palletized	Boxed and palletized	
Packaged Weight and Dimensions	L=20"x W= 20" x H= 15" @ 17.8lbs	L=20" x W=13" x H= 37" @60lbs	L= 25" x W=20" x H=38" @185lbs	L=48" x W=42" x H=40" @395lbs	
					

SERVICE & SUPPORT

R e a l • H o n e s t • P e o p l e



Rick Weisbarth
President of Sales &
Industrial Development



Tom Tindale
Regional Sales Engineer



Wes Brown
Regional Sales Engineer



Tom Walsh
Regional Sales Engineer



Sam Palmeter
President of Engineering &
New Product Development



Beth Palmeter
Web/Marketing
Manager



Terri Tomlinson
Accounting/
Office Manager



Jen Wymore
Inside Sales/
Purchasing Coordinator



Ty Brock
Senior Controls Engineer/
Sales Liaison



Gary Lester
Production Manager



Vince Brown
Production Coordinator



Josh Tatgenhorst
Design Engineer



Brian Simmons
Production/Tech Support



Brady Secord
Applications Engineer/
Tech Support



JT Tuthill
Software Engineer



Jeff Fader
Applications Engineer

OUR CUSTOMERS



"The LMT Cobalt XL has been a vast improvement to our part marking capabilities at Pratt & Miller from the dot peen marking solution we have previously relied on. The ease of setup and use and the reduction in set-up stability required of the non-contact marking of the fiber laser have improved our time required for the marking of parts, which is a significant impact for prototype volume parts runs. The wide range of materials that the Cobalt XL is capable of marking in an easily legible format has been well received by our project teams. We have also been able to stop outsourcing ID tags for our projects with the ability to easily integrate logos and graphics into the marking. The technical support we have been provided has been useful and the staff at LMT have been enthusiastic about helping and know the equipment very well."

Frank Wilson, Quality Manager, Pratt & Miller Engineering



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With Demo Facilities and Distributors around the world, Laser Marking Technologies, LLC. is dedicated to providing excellent customer service and support to all of our customers. To learn more about our laser marking systems, please visit us at www.lasermarktech.com

