TECHNOLOGY

The CNC punching machine specialists

TURRET LINE

EN

Vision & **Mission**

Our **Vision**

We want to become the benchmark in sheet metal punching technology on a worldwide level. Our company is constantly looking for global, smart and innovative solutions.

Our **Mission**

We want to give our customers a unique business experience, providing them with the best punching technology. We are not just simple suppliers but real partners who constantly monitor their customers with targeted after-sales services.

Why rely on the **punching specialists**

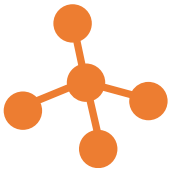
Expertise and reliability

Our long experience in the field has allowed us to acquire a high knowledge in punching technology. Today we share our expertise with our customers, becoming real consultants for them.

Research and Development

In order to continue to be the Punching Specialists, every year we invest 5% of our turnover in Research and Development. We can thus offer our customers cutting-edge technology.

Wide range



We offer a wide range of CNC punching machines that allows to find the ideal solution for both small and large companies.

Always by your side

We are constantly at the customer's side, offering a global after-sales service, so as to be the only reference point for any need.

Processing on sheet metal. **Precision and quality.**

The punching machine is the best solution to perform cutting and/or deformation operations on sheet metal from 1 to 6 mm. All this at low cost, without sacrificing precision and quality.

Deformations

Different types of deformations can be achieved through the use of special tools of the latest generation.

Deformations

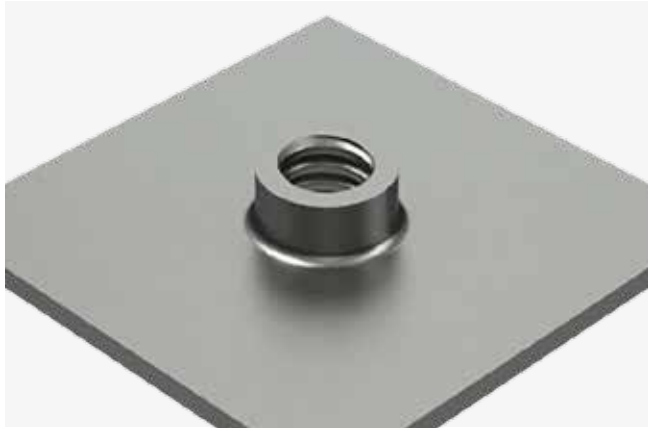
Single shot or step deformations (e.g. louvers, step louvers)

Embossing

Embossing operations

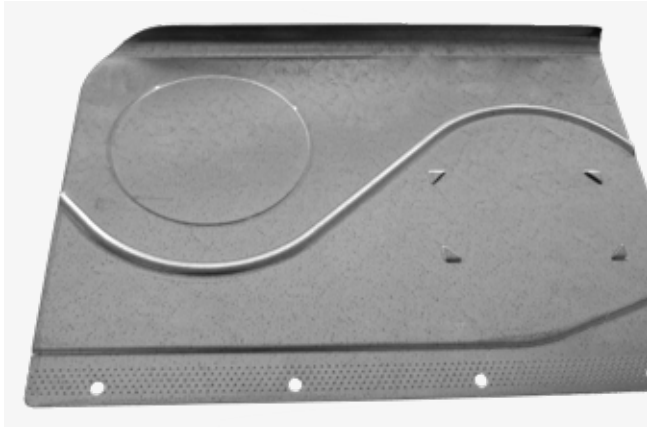
Marking

Marking machining to realize logos, lettering or other forms.



Tapping

Tapping without chip removal on holes previously realized.



High speed forming

CNC functions for the realization of Drag and Drop forming (wheel tools by WILSON TOOL)

The real. Turret.

Up to
48 stations

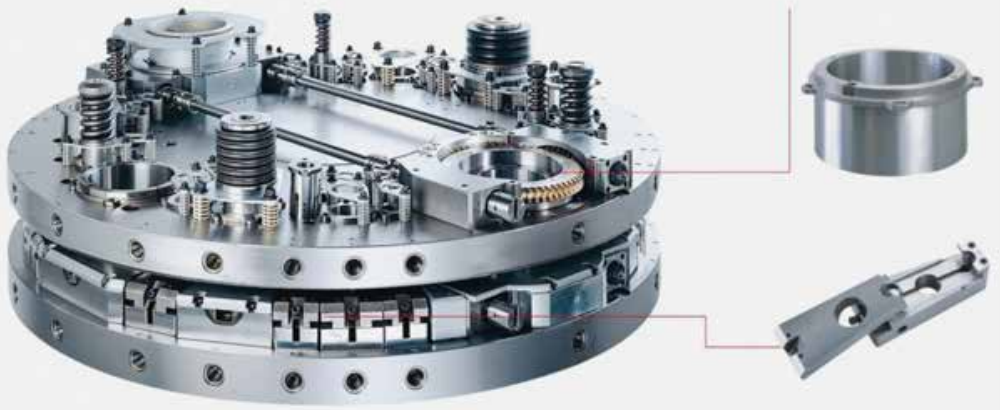
Up to
4 stations auto-index

Thick Turret

(TLX 34E - TLX 40E - TLX 48E)

TECHNOLOGY turrets are equipped with the thick turret tool change system, with a holding capacity of up to 48 tools, including 4 stations with 0° to 360° rotation (auto-index).

The turret of TECHNOLOGY punching machines is one of the highest on the market. This guarantees the best processing quality and maximum tool life, thanks to the possibility of guiding the punch with greater stability.



Latest generation **servo-electric** technology

All TECHNOLOGY punching machines look to the future. The outdated hydraulic punching system has been supplanted by the most efficient servo drive technology, adopted by TECHNOLOGY on mosts of its line of punching machines.

The servo drive system designed by TECHNOLOGY combines excellent performance with significant energy savings.
This is a crucial factor in a world that is increasingly moving towards energy efficient solutions.

SoftPunch mode. This function allows to considerably reduce the noise when machining thicker workpieces.

Absence of hydraulic oil. Reduction in energy consumption and disposal costs due to the absence of hydraulic oil.

Less maintenance costs: With fewer components in an electrical system that are exposed to wear and tear, maintenance costs can be significantly reduced.

Stand-by mode. During stand-by mode the motors are switched off to reduce power consumption to only 0.4 Kw.

Absence of hydraulic oil.

The turret.
Flexible.

Up to
52 tools

Up to
32 auto-index tools

Multi-tool **turret**

(TLX 24H - TLX 34H)

Building on the quality and experience gained with thick turret systems, a tool changer with the possibility of using multi-tool systems was developed. This made it possible to obtain a turret tool changer with a loading capacity of up to 52 tools.

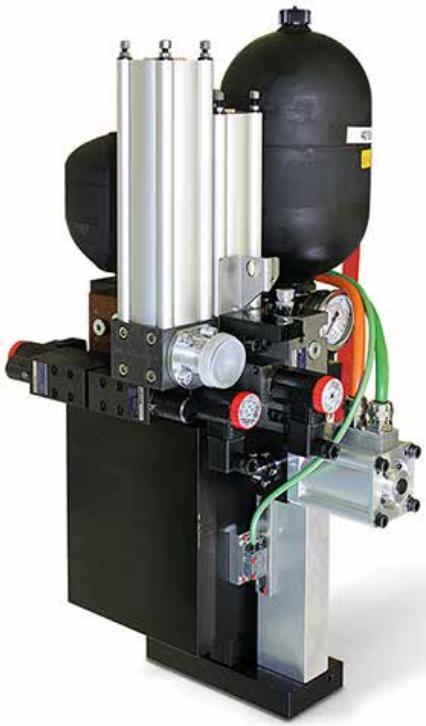
The manufacturing quality of the turret system with Multi-tool ensures the best machining quality and maximum tool life.

Flexibility with **Multi-tools**

Multi-tools increase the number of stations and the flexibility of the machine.
The TLX 24H and TLX 34H turret punching machines can be equipped with Multi-tools with rotating tools for type "D" stations. This allows the use of up to 52 tools.

Multi-tool auto-index

Multi-tools with 3 or 8 tools can be used. **This brings the number of tools up to 52, of which 32 are auto-index.**
The tools contained in the Multi-tools can be rotated from 0° to 360° (auto-in¬-dex) in 0.01° steps.



Advanced ***servo-hydraulic*** *punching system*

The TLX 24H and TLX 34H turret punching machines are equipped with an advanced servo-hydraulic punching system that delivers high performance with low energy consumption.

The **thinking brain** of the machines.

24 Months warranty

25 Years of spare parts availability

263 Branches of assistance in 108 countries

Why we choose FANUC for the electronic components of our punching machines

As for all CNC machines, also for the punching machine, the electronic component is the essential part, but at the same time the most fragile. For this reason, when talking about the CNC, motors and drives of a machine, it is extremely important to rely on specialized partners.

That is why TECHNOLOGY has selected a top level partner such as **FANUC**, a world leader company able to guarantee maximum reliability, quality and availability of components over time.

Software **CAD/CAM**

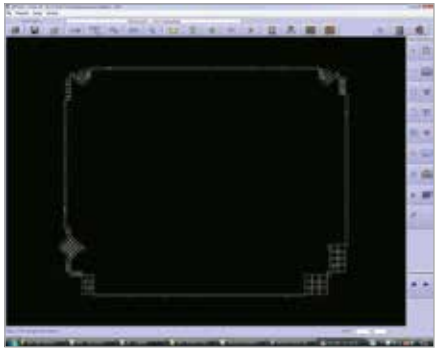
Create programs.

Transfer them to the machine.

All in a few steps.

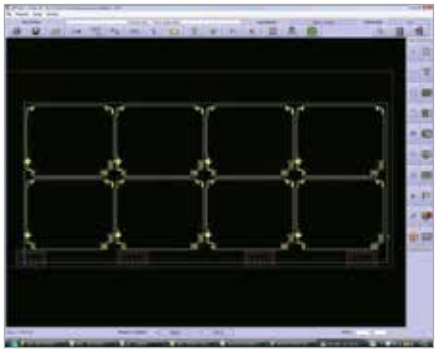
Step 1

Import DXF or DWG files.



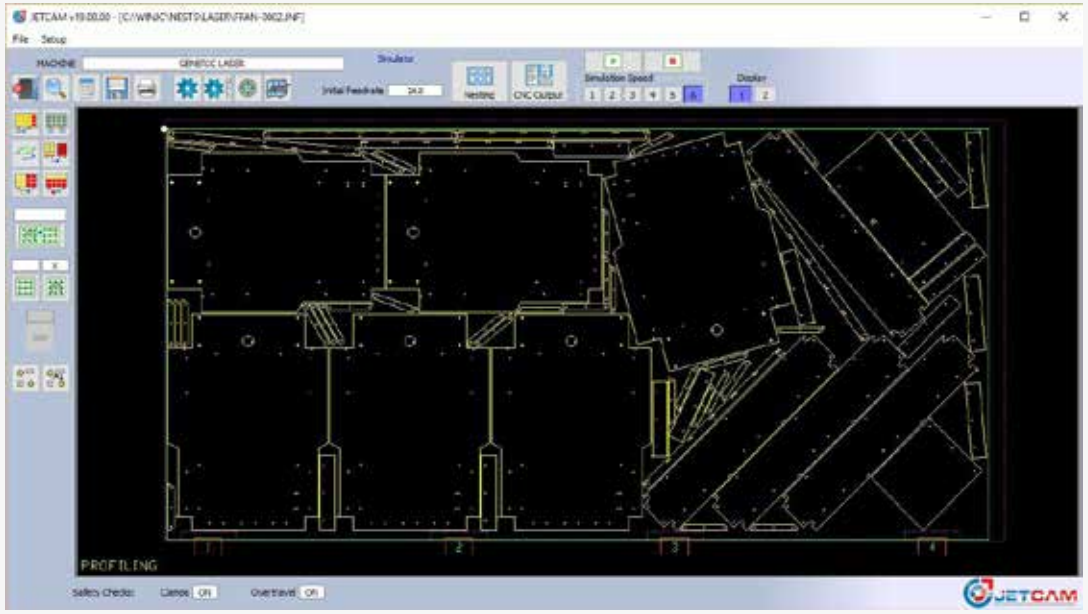
Step 2

The software selects the best tools from the libraries to carry out the processing.



Step 3

The nesting is generated and then the CNC code to be loaded into the machine.



Import

DXF DWG

Choose what to program your punching machine with.

After more than 20 years' experience with the JetCam CAD/CAM software house, at TECHNOLOGY we recommend the use of this software to get the best out of your punching machines.

TECHNOLOGY punching machines can also be programmed with the most popular CAD/CAM software such as:

- Computes
- Radan
- Metalix
- Lantek

3D CAD Software

A 3D CAD software for design, drawing, 3D modeling and rendering that speeds up and perfects the production of sheet metal companies.
A process, that of three-dimensional drawing, which helps to **improve and optimize all production processes**.

Time and work saving

Advanced functions allow you to speed up the planning phase and optimize the producibility level of the drawing, reducing time of work. Fast also for opening and managing the CAD files receive.

Immediately operative

Take immediate advantages of the potential! It won't take long to learn because the software is really intuitive.

2D/3D Solution

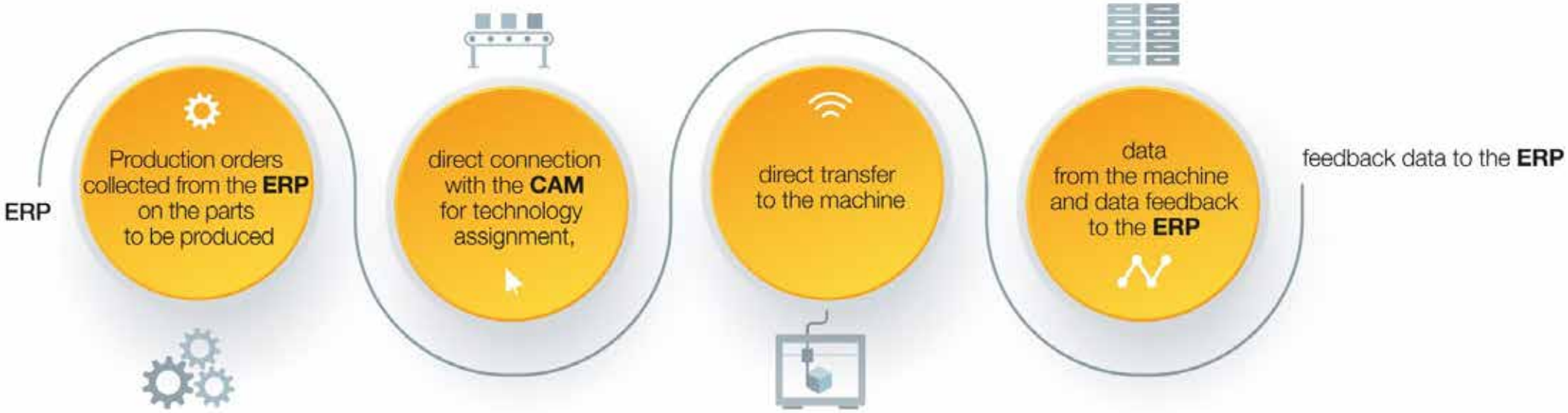
The integrated 2D / 3D environment allows you to simultaneously view an object in 3D (including model deformations) and its 2D drawing, as well as sheet metal development and all useful information for the various work phases.

Smart **Factory**

Smart **Factory** is a tailor-made solution that integrates production management software, CAMs and machines. In this way, the digitization of information and interconnection within the company is made concrete.

The tailor-made solution for **Industry 4.0**

by **Computes**

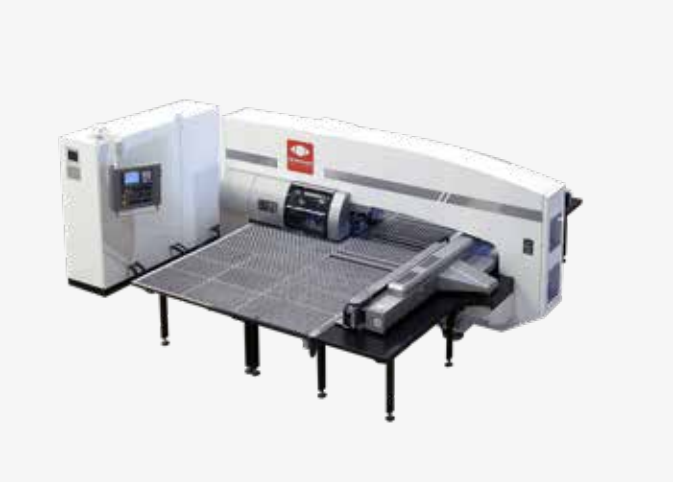


The advantages of an interconnected company

- **Increased productivity**
- **Data storage more efficient**
- **Reduction of errors in the workflow**
- **Processing monitoring**

Turrett
Line

TLX E

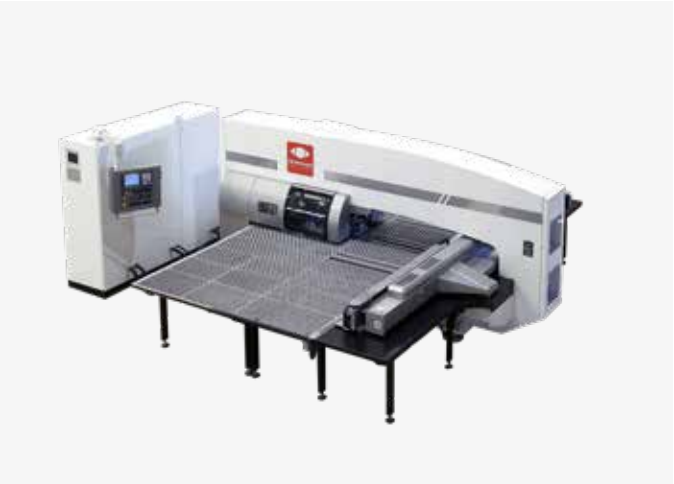


Type	Servo-electric
N. Stations	Up to 48
Punching Force	25 Ton | 27.6 US Ton

TLX E XL

Type	Servo-electric
N. Stations	40
Punching Force	25 Ton | 27.6 US Ton

TLX H



Type	Servo-idraulic
N. Stations	Up to 48
Punching Force	30 Ton | 33 US Ton

TLX MULTI

Type	Servo-idraulic
N. Stations	Up to 52
Punching Force	20 Ton | 22 US Ton

TLX E

The real thick turret, servo-electric, high-performance punching machine with 34 tool stations, 2 of which are auto-index.

25
tons of force

27.6
US tons of force

34
stations

Technical specifications	TLX 34E		TLX 34E		
	U.M	**2510**	**2610**	**U.M**	**2510**	**2610**
Working range	mm	1250x2500	1500x2500	"	50x98.4	60x98.4
Working range with repositioning	mm	1250x5000	1500x5000	"	50x196.85	60x196.85
Max. punching force	Ton	25		US Ton	27.6	
Max. working thickness	mm	3		"	0,12	
Max. sheet weight	Kg	110		lbs	242,50	
Simultaneous axis speed	m/min	110		ipm	4,330	
Positioning accuracy	mm	±0.1		"	±0.004	
Electrical consumption during operation	Kw	8		Kw	8	
Machine dimensions (L x W x H)	mm	5200 x 5050 x 2168		"	204.72 x 198.81 x 85,35	
Weight	Kg	14000		lbs	30,900	

34 Stations			34 Stations		
Type	**Specifications**	**Quantity**	**Type**	**Specifications**	**Quantity**
A	12,7 mm	18	A	1/2"	18
B	12,8 - 31,7 mm	10	B	1 - 1/4"	10
C	31,8 - 50,8 mm	2	C	2"	2
D	50,9 - 88,9 mm	2	D	3 - 1/2"	2
Auto-index Stations			**Auto-index Stations**		
B	12,8 - 31,7 mm	2	B	1 - 1/4"	2

TLX E

The real thick turret, servo-electric, high-performance punching machine with 48 tool stations, 4 of which are auto-index.

48
stations

4
auto-index
stations

Technical specifications	TLX 48E	
	U.M	2510
Working range	mm	1250x2500
Working range with repositioning	mm	1250x5000
Max. punching force	Ton	25
Max. working thickness	mm	3
Max. sheet weight	Kg	110
Simultaneous axis speed	m/min	105
Positioning accuracy	mm	±0.1
Electrical consumption during operation	Kw	8
Machine dimensions (L x W x H)	mm	5200 x 5050 x 2168
Weight	Kg	16000

	TLX 48E	
	U.M	2510
	"	50x98.4
	"	50x196.85
	US Ton	27.6
	"	0,12
	lbs	242,50
	ipm	4,133
	"	±0.004
	Kw	8
	"	204.72 x 198.81 x 85,35
	lbs	35,273

48 Stations		
Type	**Specifications**	**Quantity**
A	12,7 mm	24
B	12,8 - 31,7 mm	16
C	31,8 - 50,8 mm	2
D	50,9 - 88,9 mm	2
Auto-index Stations		
B	12,8 - 31,7 mm	2
C	31,8 - 50,8 mm	2

48 Stations		
Type	**Specifications**	**Quantity**
A	1/2"	24
B	1 - 1/4"	16
C	2"	2
D	3 - 1/2"	2
Auto-index Stations		
B	1 - 1/4"	2
C	2"	2

TLX E XL

The real thick turret, servo-electric, high-performance punching machine with 40 tool stations, 2 of which are auto-index

25
tons of force

27.6
US tons of force

working range
2000
x
2500

Technical specifications	TLX 40E XL	
	U.M	**2710**
Working range	mm	2000x2500
Working range with repositioning	mm	2000x5000
Max. punching force	Ton	25
Max. working thickness	mm	4,5
Max. sheet weight	Kg	150
Simultaneous axis speed	m/min	105
Positioning accuracy	mm	±0.1
Electrical consumption during operation	Kw	8
Machine dimensions (L x W x H)	mm	6500 x 5200 x 2250
Weight	Kg	14000

TLX 40E XL		
U.M	**2710**	
"	78.74x98.4	
"	78.74x196.85	
US Ton	27,6	
"	0,177	
lbs	330	
ipm	4,133	
"	±0.004	
Kw	8	
"	255,90 x 204,72 x 88,58	
lbs	30,900	

40 Stations		
Type	**Specifications**	**Quantity**
A	12,7 mm	24
B	12,8 - 31,7 mm	8
C	31,8 - 50,8 mm	4
D	50,9 - 88,9 mm	2
E	90 - 114,3 mm	2
Auto-index Stations		
D	50,9 - 88,9 mm	2

40 Stations		
Type	**Specifications**	**Quantity**
A	1/2"	24
B	1 - 1/4"	8
C	2"	4
D	3 - 1/2"	2
E	4 - 1/2"	2
Auto-index Stations		
D	3 - 1/2"	2

TLX H

The real thick turret, servo-hydraulics, high-performance punching machine with 34 tool stations, 2 of which are auto-index

30
tons of force

33
US tons of force

34
Stations

Technical specifications	TLX H		TLX H	
	U.M	**3610**	**U.M**	**3610**
Working range	mm	1500x2500	"	60x98,4
Working range with repositioning	mm	1500x5000	"	60x196.85
Max. punching force	Ton	30	US Ton	33
Max. working thickness	mm	6	"	0.23
Max. sheet weight	Kg	110	lbs	242
Simultaneous axis speed	m/min	105	ipm	4,133
Positioning accuracy	mm	±0.1	"	±0.004
Electrical consumption during operation	Kw	8	Kw	8
Machine dimensions (L x W x H)	mm	5200 x 5050 x 2168	"	204.7 x 198.81 x 85,35
Weight	Kg	14000	lbs	30,900

34 Stations			34 Stations		
Type	**Specifications**	**Quantity**	**Type**	**Specifications**	**Quantity**
A	12,7 mm	18	A	1/2"	18
B	12,8 - 31,7 mm	10	B	1 - 1/4"	10
C	31,8 - 50,8 mm	2	C	2"	2
D	50,9 - 88,9 mm	2	D	3 - 1/2"	2
	Auto-index Stations			**Auto-index Stations**	
B	12,8 - 31,7 mm	2	B	1 - 1/4"	2

TLX H

The real thick turret, servo-hydraulics, high-performance punching machine with 48 tool stations, 4 of which are auto-index

30
tons of force

33
US tons of force

48
Stations

Technical specifications	TLX H		TLX H	
	U.M	**3510**	**3510 Plus**	
Working range	mm	1250x2500	1250x2500	" 50x98.4 50x98.4
Working range with repositioning	mm	1250x5000	1250x5000	" 50x196.85 50x196.85
Max. punching force	Ton	30		US Ton 33
Max. working thickness	mm	6		" 0.23
Max. sheet weight	Kg	110		lbs 242
Simultaneous axis speed	m/min	105	128	ipm 4,133 5,039
Positioning accuracy	mm	±0.1		" ±0.004
Electrical consumption during operation	Kw	8		Kw 8
Machine dimensions (L x W x H)	mm	5150 x 4690 x 2210	5180 x 4805 x 2240	" 5150 x 4690 x 2210 203.94 x 189.17 x 88.18
Weight	Kg	13500	14000	lbs 29,762 30,900

48 Stations			48 Stations		
Type	**Specifications**	**Quantity**	**Type**	**Specifications**	**Quantity**
A	12,7 mm	24	A	1/2"	24
B	12,8 - 31,7 mm	16	B	1 - 1/4"	16
C	31,8 - 50,8 mm	2	C	2"	2
D	50,9 - 88,9 mm	2	D	3 - 1/2"	2
Auto-index Stations			**Auto-index Stations**		
B	12,8 - 31,7 mm	2	B	1 - 1/4"	2
C	31,8 - 50,8 mm	2	C	2"	2

TLX MULTI

The real thick turret, servo-hydraulics, high-performance punching machine with the capability of 24 to 52 tools. With the use of Multi-tools up to 32 auto-index tools.

52
tools

32
auto-index
tools

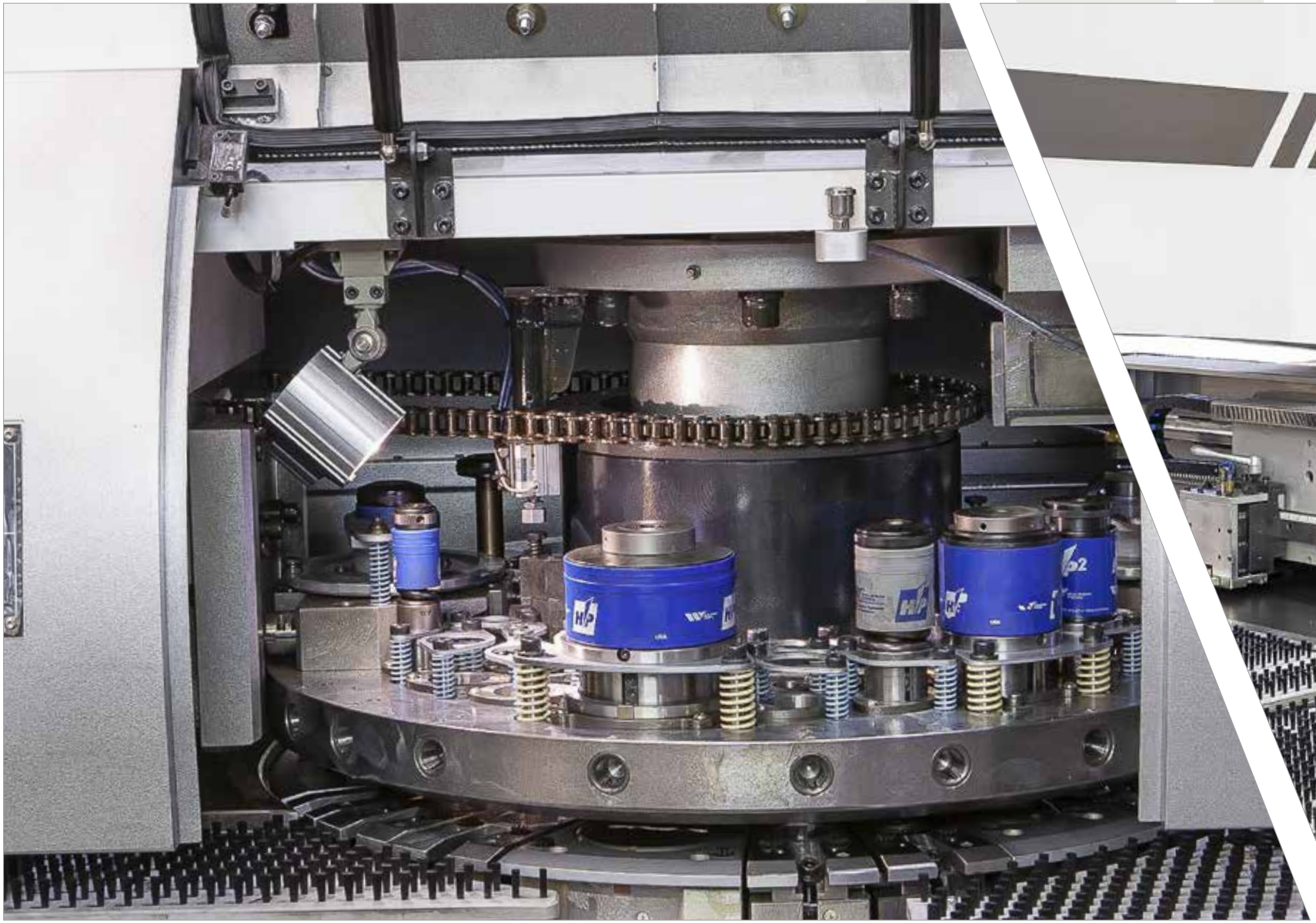
Technical specifications	TLX 24 MULTI	
	U.M	**2510**
Working range	mm	1250x2500
Working range with repositioning	mm	1250x5000
Max. punching force	Ton	20
Max. working thickness	mm	6
Max. sheet weight	Kg	110
Simultaneous axis speed	m/min	110
Positioning accuracy	mm	±0.1
Electrical consumption during operation	Kw	8
Machine dimensions (L x W x H)	mm	5420 x 5085 x 2080
Weight	Kg	14000

	TLX 24 MULTI	
	U.M	**2510**
Working range	"	50x98.4
Working range with repositioning	"	50x196.85
Max. punching force	US Ton	22
Max. working thickness	"	0,23
Max. sheet weight	lbs	242
Simultaneous axis speed	ipm	4,330
Positioning accuracy	"	±0.004
Electrical consumption during operation	Kw	8
Machine dimensions (L x W x H)	"	213.38 x 200.19 x 81.88
Weight	lbs	30,900

24~52 Stations		
Type	**Specifications**	**Quantity**
A	12,7 mm	8
B	12,8 - 31,7 mm	8
C	31,8 - 50,8 mm	4
	Auto-index Stations	
D	50,9 - 88,9 mm	4

24~52 Stations		
Type	**Specifications**	**Quantity**
A	1/2"	8
B	1 - 1/4"	8
C	2"	4
	Auto-index Stations	
D	3 - 1/2"	4

Turret



t Line

A global service for punching

Choosing **The punching specialists** means relying on a single partner able to offer global and exclusive services for punching.

Specialized technicians always by your side

Our specialized technicians intervene in all the countries where we have installed TECHNOLOGY punching machines.

TECHNOLOGY FIRST service program

If you subscribe to the TECHNOLOGY First program you will have access to many advantages and discounts on all services. It is reserved to each customer possessing a TECHNOLOGY punching machine.

Other Services

- Retrofit of your TECHNOLOGY CNC Punching Machine
- Scheduled maintenance
- Original spare parts
- Online portal to sell your CNC punching machine

Thick turret
punching tools

Thick Turret (Amada style) standard and special tools allow a variety of processing operations on sheet metal.
We offer you a wide range of tools that can be purchased directly from our online shop.
Specialist consultants are available to help you choose the most suitable tool and to support you in the design of special tools (e.g. logos).

The first online shop for tools and spare parts

Buy tools for your CNC punching machine online at our TECHNOLOGY Shop.
- Buy when you want 24/7.
- Prices displayed without registration

shop.technologyitaliana.com

TECHNOLOGY

The CNC Punching Machine specialists

ADVANCED LINE

EN

About **us**

TECHNOLOGY Italiana is a historical company that has been operating in the machine tool sector for over 45 years, becoming an indisputable reference point.

In 1973 “Officine Piccini e Bassich”, already active in the light carpentry sector since 1964, became TECHNOLOGY Italiana. It all started when they were looking for a punching machine but, not being able to find a solution on the market suitable for their production needs, they decided to manufacture the first TECHNOLOGY CNC punching machine themselves. Since then we have constantly dedicated ourselves to the production of punching machines for sheet metal working.

The research and development activity is entirely focused on the design of CNC punching machines and this is why we can define ourselves as absolute specialists in the sector. Our long experience together with the precious collaboration with international partners allow us to offer innovative technology and services, in the name of Made in Italy quality.

TECHNOLOGY Italiana is also a synonym of reliability. We have always strived to meet customers’ needs, offering the widest range of punching machines on the market, becoming real consultants for them.

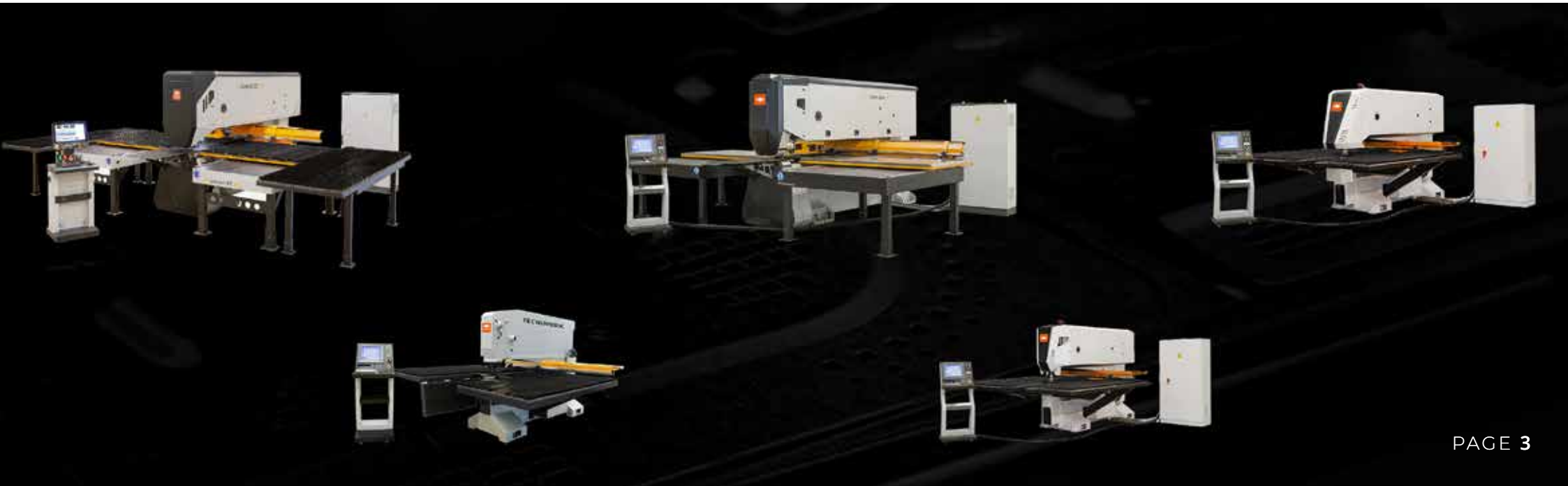
Vision & **Mission**

Our **Vision**

We want to become the benchmark in sheet metal punching technology on a worldwide level. Our company is constantly looking for global, smart and innovative solutions.

Our **Mission**

We want to give our customers a unique business experience, providing them with the best punching technology. We are not just simple suppliers but real partners who constantly monitor their customers with targeted after-sales services.



Our **figures**

These numbers reflect TECHNOLOGY's path of growth and innovation, defining the ambitious road we have taken.

50

YEARS OF EXPERIENCE
Since 1973 we have been operating in the machine tool sector as manufacturers of CNC punching machines.

1400

INSTALLED PUNCHING MACHINES
Over the years we have installed more than 1300 machines worldwide.

16

The wide choice of machines is a feature that makes TECHNOLOGY stand out on the market.

45

COUNTRIES WHERE WE HAVE OUR MACHINES INSTALLED
TECHNOLOGY is active at global level in the sale of punching machines

Why rely on the **punching specialists**

Expertise and reliability

Our long experience in the field has allowed us to acquire a high knowledge in punching technology. Today we share our expertise with our customers, becoming real consultants for them.

Research and Development

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Wide range

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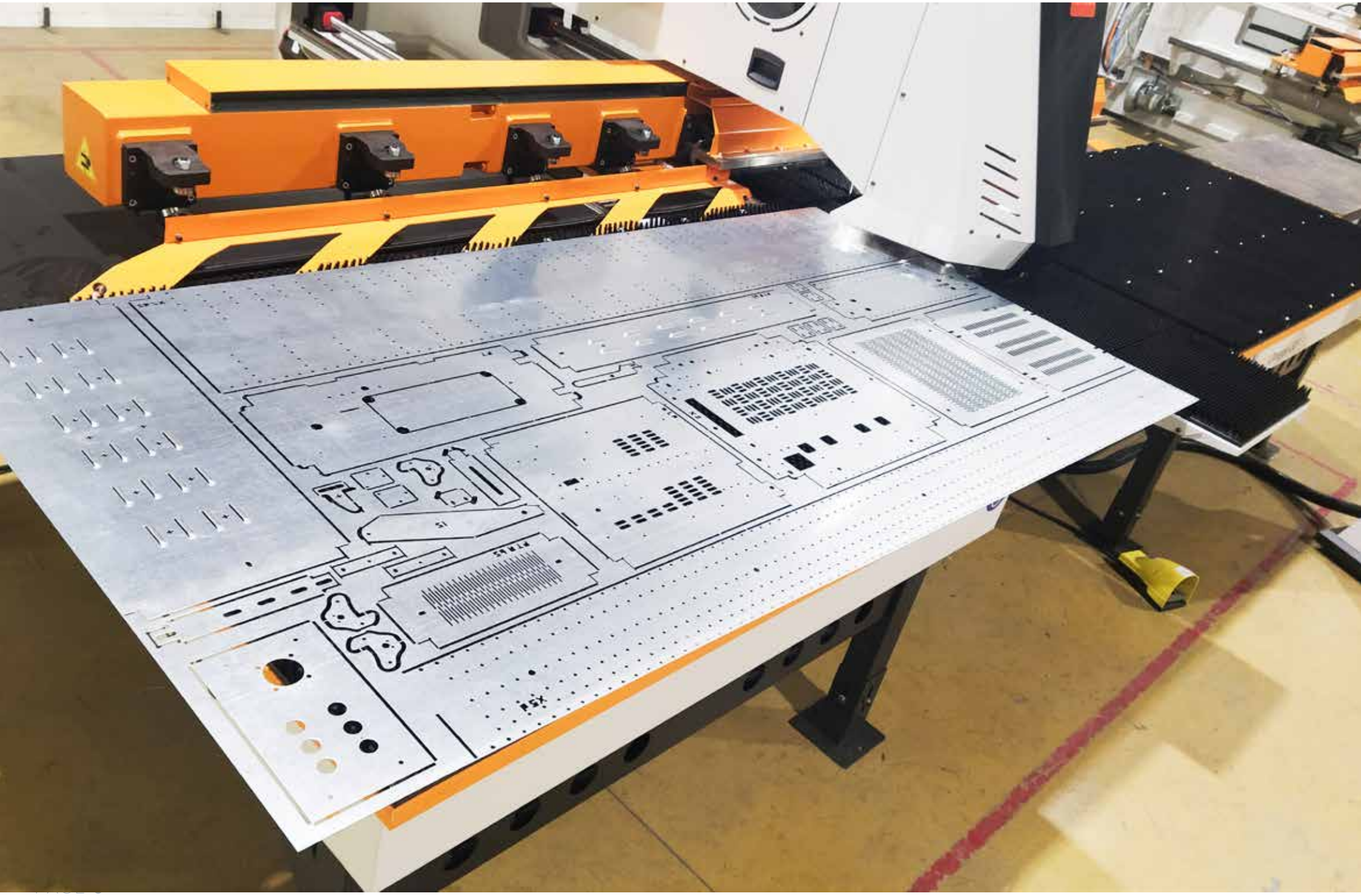
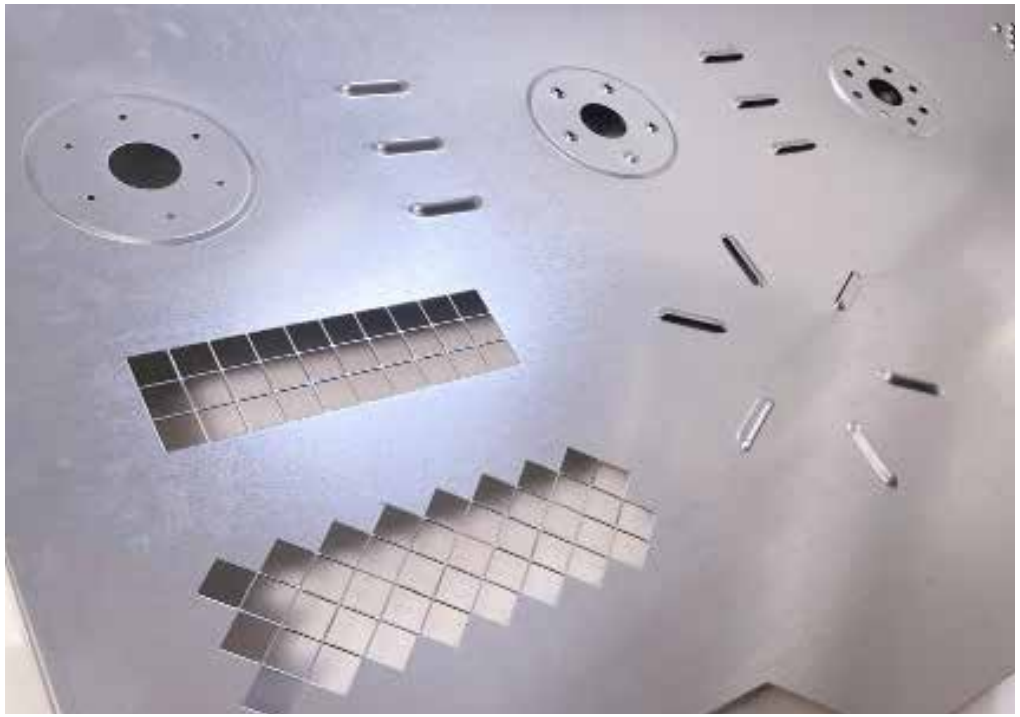
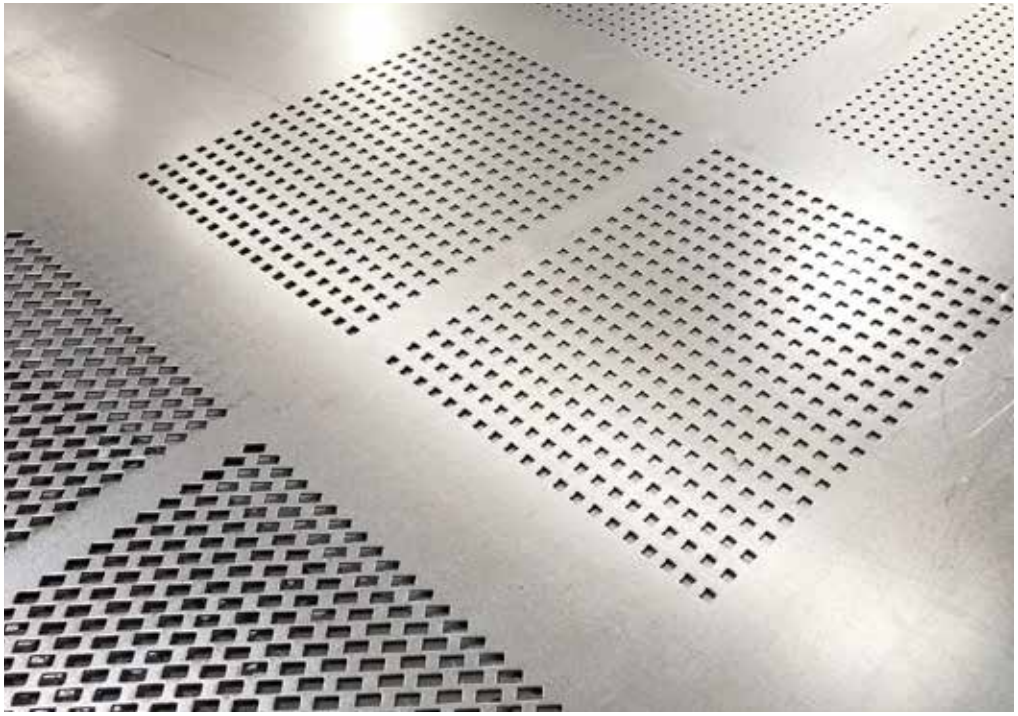
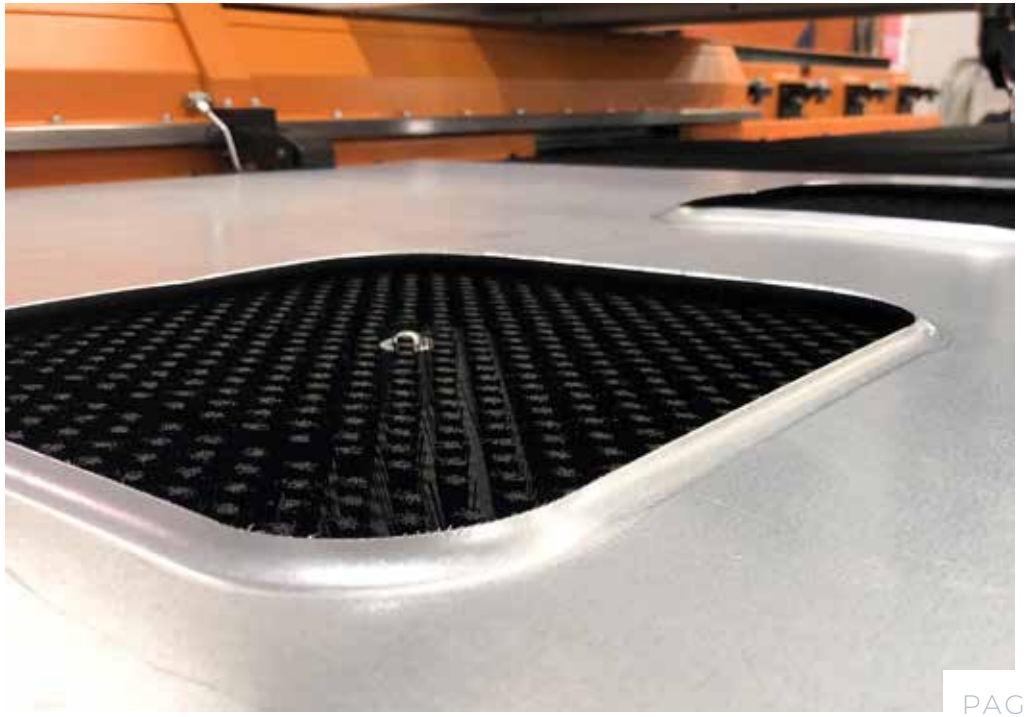


The art **of punching.**

Let yourself be inspired by the many options that the punching machine offers you to cut and deform sheet metal.







Processing on sheet metal. **Precision and quality.**

The punching machine is the best solution to perform cutting and/or deformation operations on sheet metal from 1 to 6 mm. All this at low cost, without sacrificing precision and quality.

Fine contouring

Fine contouring for complex machining operations, ensuring high workpiece quality.

Forming

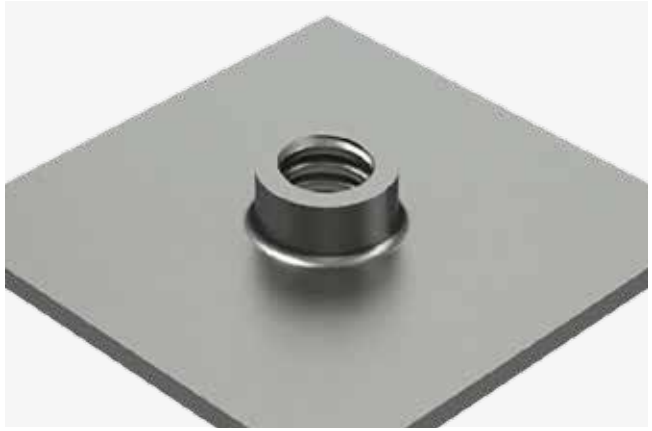
Forming with single punch or by step (e.g. louvers)

Embossing

Embossing operations

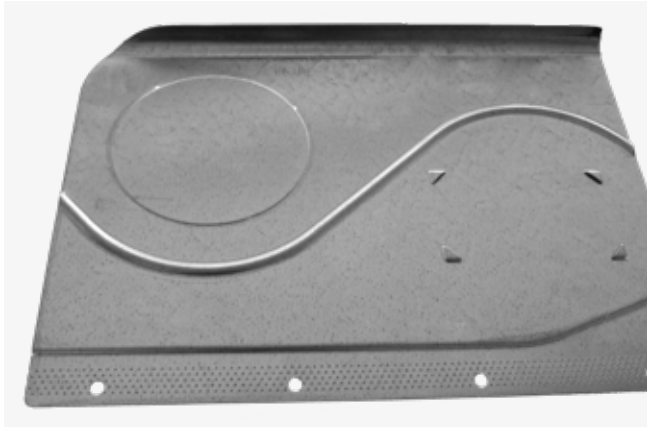
Marking

Marking machining to realize logos, lettering or other forms.



Tapping

Tapping without chip removal on holes previously realized.



High speed forming

CNC functions for the realization of Drag and Drop forming (wheel tools by WILSON TOOL)

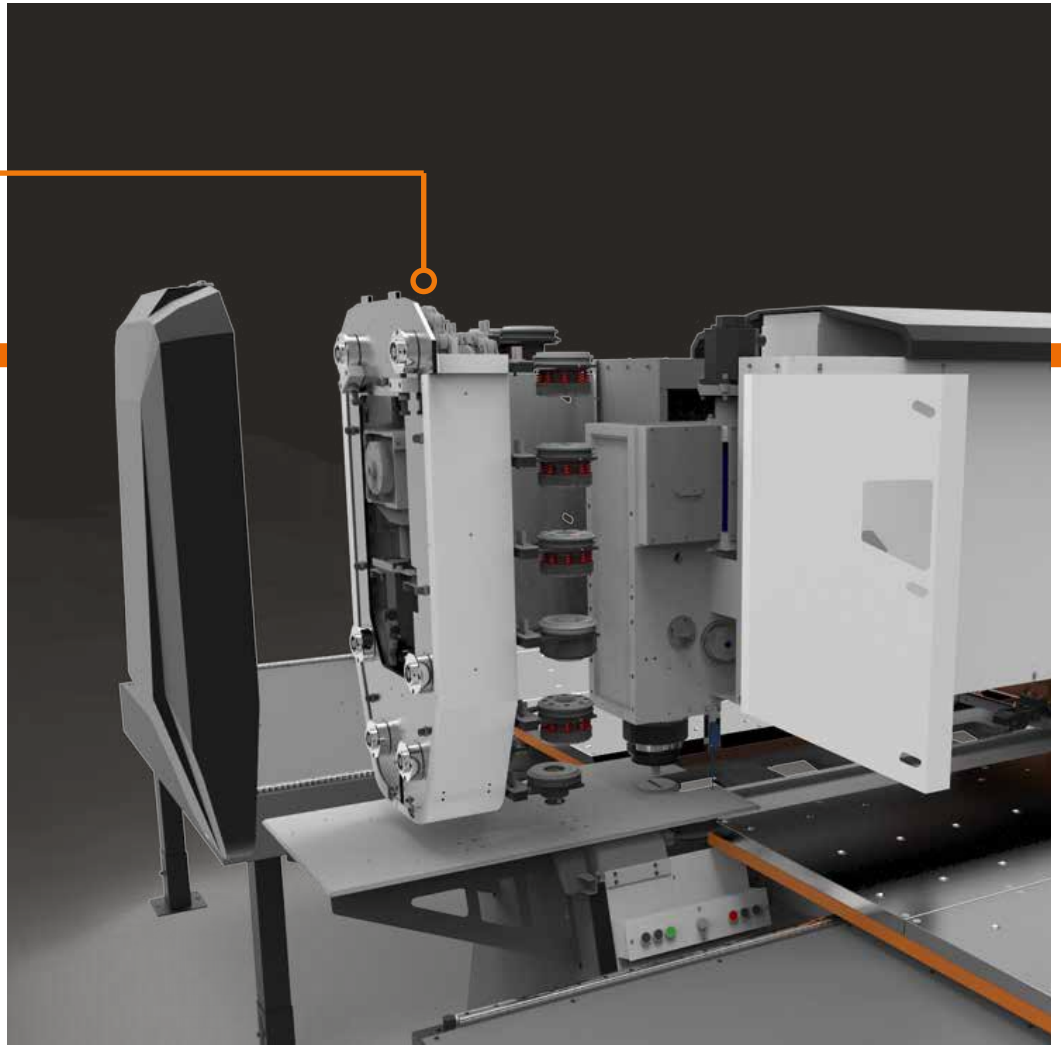
Tool change system
The future is here

Innovation and functionality are the leitmotif of every tool change system on TECHNOLOGY punching machines.
Vertical Turret, Smart Turret and Fast Change stand out from all the tool change systems on the market for their unique features never seen before on a punching machine.

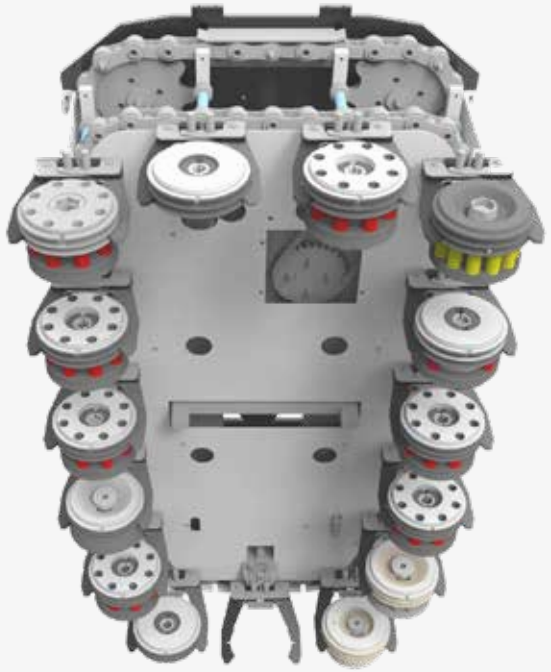
Vertical Turret

(TP Gamma - TP Zeta - TP Zeta XL)

Vertical Turret differs from any other automatic tool change technology due to its strategic position and vertical design.
Worldwide patented, it features auto-index system (tool rotation) for all tools and employs the Speedy Setup system to equip each station in just 12 seconds.
In addition, the tool configuration of the 15 stations of the Vertical Turret can be changed and customized over time according to production needs.



Why choose the **Vertical Turret**

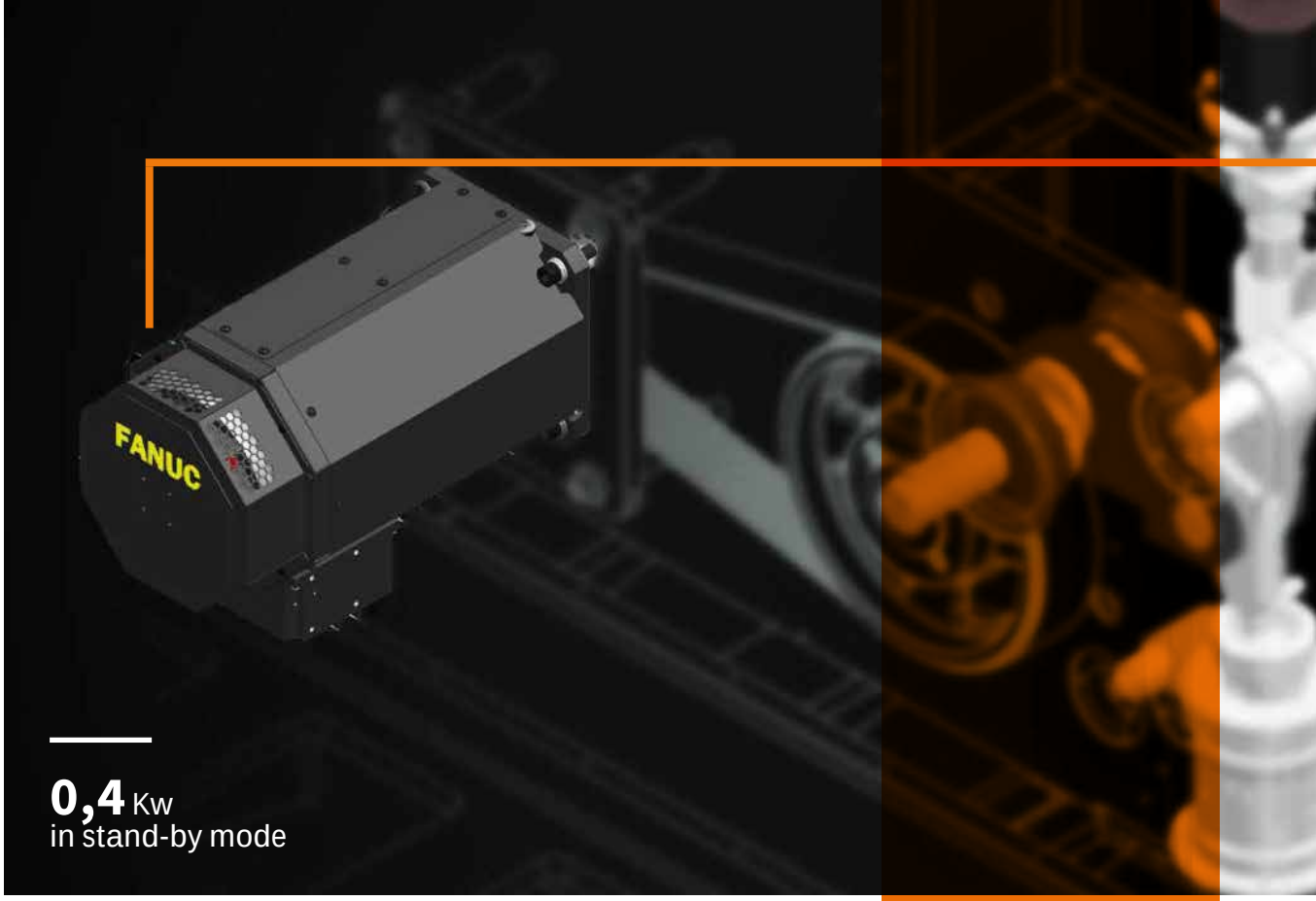


- The strategic position of the Vertical Turret enables more complex forming operations to be carried out, thanks to the reduced encumbrance in the work area. Moreover, the operator has a better visibility of the sheet metal being worked.

- **Maximum configuration versatility**
  The machine configuration can be customized by inserting any kind of tool in every station. The innovative Speedy Setup system allows to equip each station in just 12 seconds.

- **All tools are rotating (auto-index)**
  By rotating any tool from 0° to 360° the number of tools to be purchased and the machining time is significantly reduced. Sheet metal waste is minimized thanks to the possibility of performing complex nestings.

Latest generation **servo drive** technolgy



All TECHNOLOGY punching machines look to the future.
The outdated hydraulic punching system has been supplanted by the most efficient servo drive technology, adopted by TECHNOLOGY on the whole line of punching machines.

The servo drive system designed by TECHNOLOGY combines excellent performance with significant energy savings.
This is a crucial factor in a world that is increasingly moving towards energy efficient solutions.

Stand-by mode. During stand-by mode the motors are switched off to reduce power consumption to only 0.4 Kw.

FANUC motor. For all electronic components TECHNOLOGY relies on the world leader in this field, namely FANUC.

Absence of hydraulic oil. The servoelectric system ensures reduced energy consumption due to the absence of chiller systems required to cool down the unit. Besides, it requires minimal maintenance costs.

SoftPunch mode. This function allows to considerably reduce the noise when machining thicker workpieces.

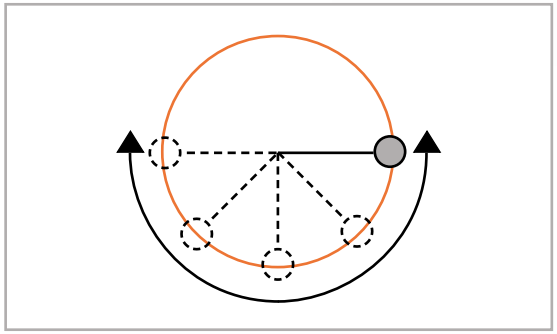
DualCam. Innovative technology with which to implement high frequency machining operations avoiding overheating of the motor.

Without Hydraulic Oil

DualCam

Servo electric motor with dual mode. An exclusive feature of TECHNOLOGY punching machines.

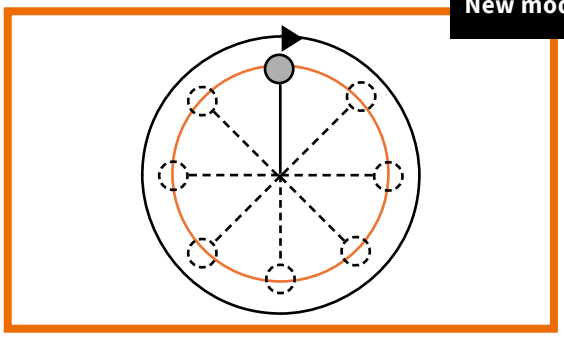
For the first time on a punching machine, high-frequency operations can be carried out without motor overheating, thanks to the innovative DualCAM technology. TECHNOLOGY has thus introduced a **new CONTINUOUS ROTATION mode of the engine**, in addition to the traditional PENDULUM mode, which is common to all punching machines.



PENDOLUM Mode

Useful for single punching operations. It allows to program the punch stroke. It is fast but it causes motor overheating.

New mode



CONTINUOUS ROTATION Mode

It reduces the dynamic stress of the motor and is perfect for making deformations, such as nibbling and grids, because there is more space between punch and die.

How does it work?

PENDOLUM Mode

The motor performs a movement equivalent to that of a pendulum, making continuous braking and accelerations. In this mode the punching machine is faster but overheating of the motor increases.

CONTINUOUS ROTATION Mode

The motor performs complete rotations without any braking nor acceleration. In this mode the punching machine is not subjected to motor overheating.

Advantages

- Non stop high-frequency machining
- Punching frequency of 900 strokes/min
- Dynamic stress of the servo-electric system almost zero
- Absence of chiller cooling systems
- Reduced noise thanks to the SoftPunch function

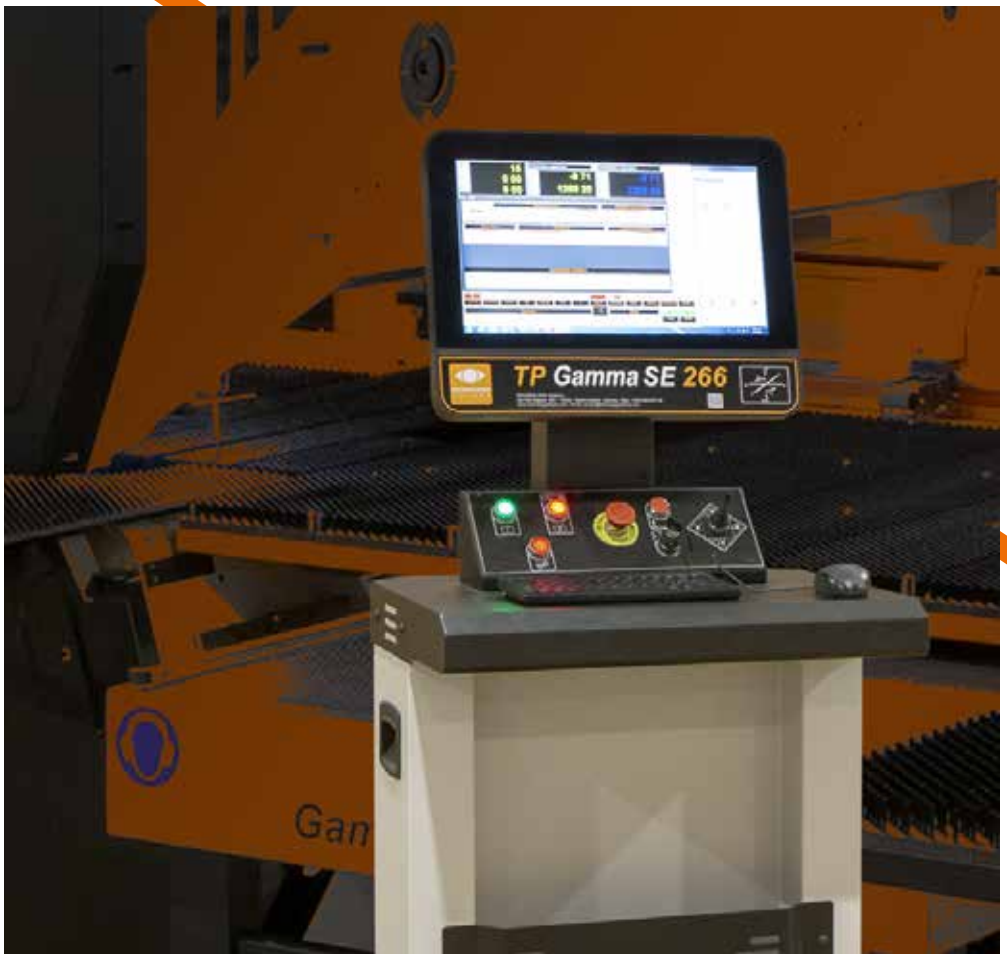
Open
“C” Frame

The open "C" frame provides the highest possible accessibility.
Unlike closed structures, the "C" shaped frame is the only solution to **process sheets that are larger than the machine working area** and is ideal for loading sheets on multiple sides without obstacles.

Enhanced accessibility

Ease of access to the machine and **increased visibility** in the work area are features you cannot miss if you want to increase production efficiency. TECHNOLOGY has always adopted the "C" frame for its punching machines, as its benefits are remarkable.

*Since **1973** we have been designing our punching machines with the "C" frame.*



Customized **Human Machine Interface (HMI)**

All punching machines are equipped with a console featuring FANUC PC, 15" touch-screen monitor and a simple and intuitive **HMI (Human Machine Interface)** created by TECHNOLOGY specifically for its customers.

The HMI interface provides a simple way to use the machine by exploiting three different modes of operation (manual, semi-automatic, automatic). This feature is useful especially with single-punch semi-automatic punching machines such as Tecnumerik and TP Alpha.

Three modes of operation of the punching machine

1

Manual

The punching operations and the movement of the axis are performed manually, using the pedal and the joystick installed on the control panel.

2

Semi-automatic

The movement of the axes is automatic (according to programming) while the punching operation is manual by using the pedal.

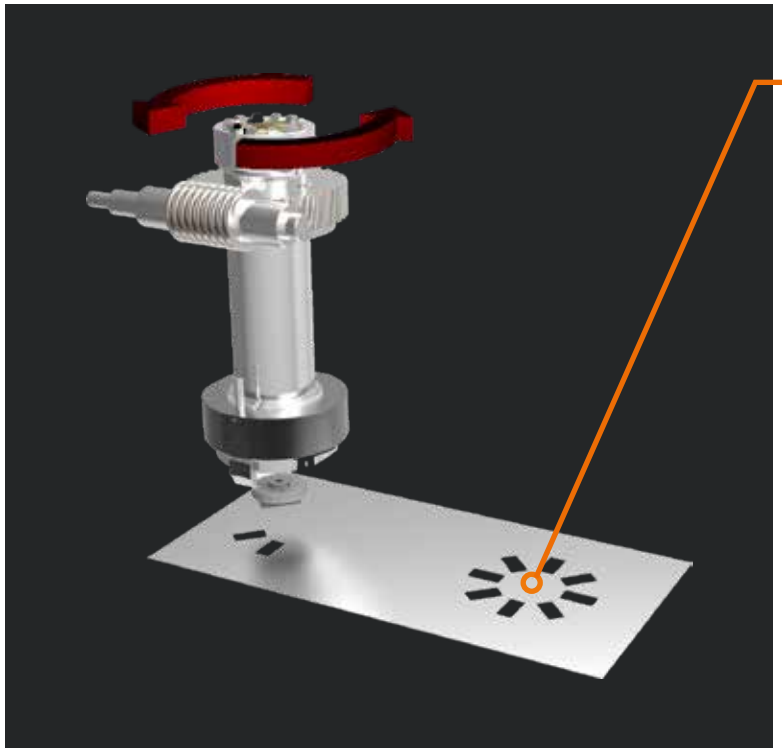
3

Automatic

Once the program has been realized with the graphic software TECNOCAM, punching operations and axis movement are automatic.

Change the rules of the game. **Embrace the Auto-index technology**

The advanced integrated auto-index system allows any tool to be oriented from 0° to 360°, with an accuracy of 0.01°. Thus the number of tools to be purchased is drastically reduced.
In addition, with CAD/CAM software you can automatically perform complex nesting by reducing programming and production time.



Auto-Index

The workpiece in the image was created by using a single tool rotated from 0° to 360°.

- Automatic creation of complex nesting using CAD/CAM software
- Fewer tools to buy, since each tool can be rotated by 360°.
- It makes it easier to program the machine
- Reduced production times
- Tool rotation accuracy of 0.01°

Save time and money

The example shows the advantage of having all rotating tools.

A. Without auto-index

3 tools

B. With auto-index

1 tools

In example **A** (machine with limited number of auto-indexlimited) it is necessary to purchase 3 tools to carry out the three desired shapes.

In the example **B** (machine with all rotating tools - TECHNOLOGY) just one rotating tool is enough to perform the same three operations as case A.
This leads to considerable savings in terms of time and money.

The smallest and cheapest punching tools

Our punching machines are equipped with the best tools on the market, namely **TRUMPF-style tools**.
Thanks to their small size, the TRUMPF style tools are much easier to handle and guarantee up to 70% savings.

The latest generation of TECHNOLOGY punching machines maintain full compatibility with TECHNOLOGY style tools.

63%

SMALLER

THAN TURRET TOOLS

70%

CHEAPER

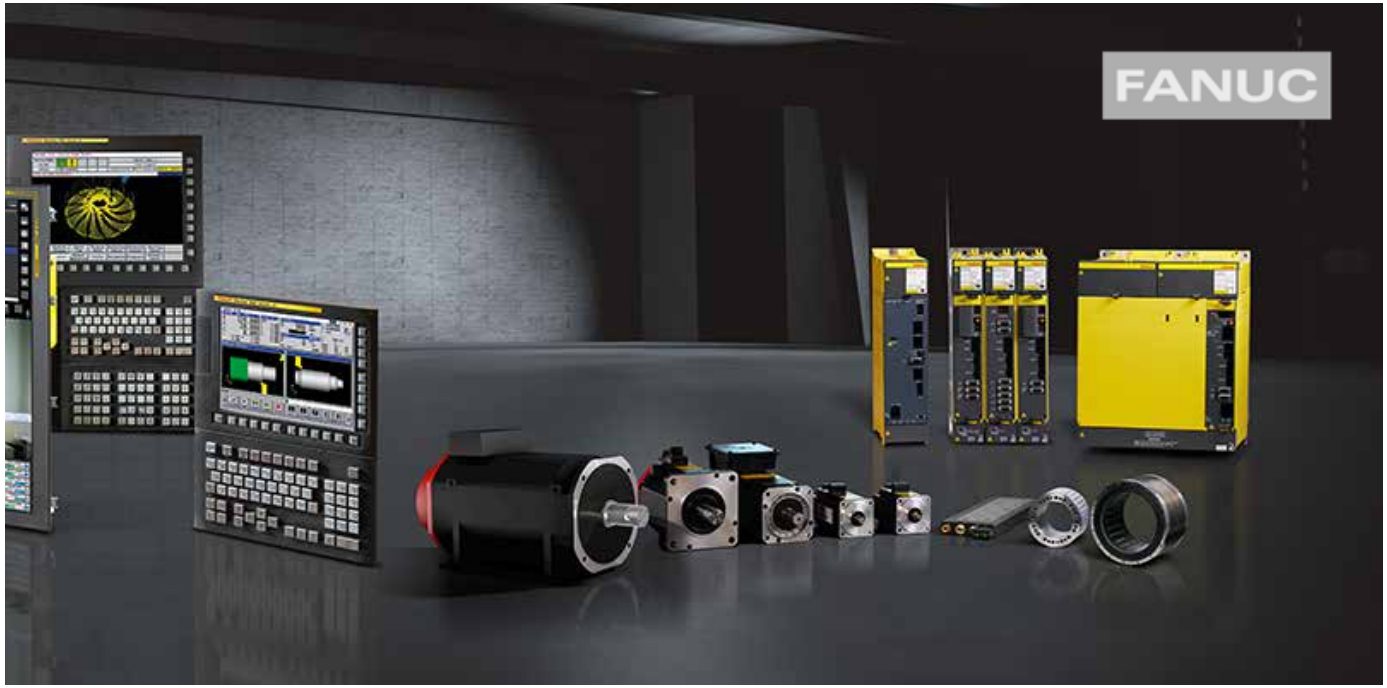
THAN TURRET TOOLS

73%

LIGHTER

THAN TURRET TOOLS

The **thinking brain** of punching machines.



24 Months warranty

25 Years of spare parts availability

263 Service branches in 108 countries

Why we choose FANUC for the electronic components of our punching machines

As for all CNC machines, also for the punching machine, the electronic component is the essential part, but at the same time the most fragile. For this reason, when talking about the CNC, motors and drives of a machine, it is extremely important to rely on specialized partners.

That is why TECHNOLOGY has selected a top level partner such as **FANUC**, a world leader company able to guarantee maximum reliability, quality and availability of components over time.

- Technical assistance around the world
- High quality and long-lasting components
- Warranty extension up to 5 years

World-class partners

Since 1973 TECHNOLOGY has been manufacturing its punching machines choosing only high quality partners and suppliers to obtain excellent quality results

Advanced Line

The Advanced Line consists of Premium punching machines that make Performance their forte.

TP Zeta

Typology Automatica

Productivity ★ ★ ★ ★ ★

TP Zeta XL

Typology Automatica

Productivity ★ ★ ★ ★ ★

Uncompromising **Productivity**

Advanced Line
Speed. Power. High performance.

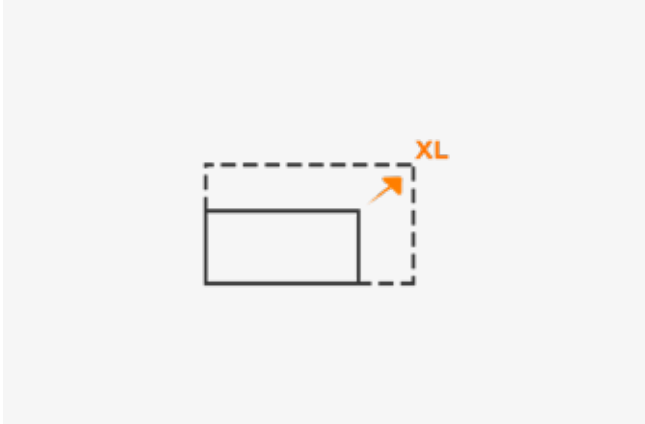
The punch machines of the Advanced line are the ultimate expression of advanced technology; a perfect combination of power and speed for top level performances.

More Speed

The Advanced Line punching machines are all equipped with a dual Y-axis motor to ensure maximum stability and accuracy at incredible punching speeds.

More Power

The punching force of 30 Tons allows you to generate more power to facilitate the machining of thicker sheet metal.



Higher Productivity

Exploiting working areas of up to 1500 x 4000 (mm) it is possible to work the whole metal sheet without repositioning, shortening production times.

TecnoPunch
Zeta

Ideal for large-scale production for companies seeking a high level of technology and performance.
One of a kind in terms of accessibility and versatility. The reduced dimensions of the vertical turret in the working area allows the machining of corrugated sheets or sheets with thicknesses up to 4/6mm. It can be equipped with an automatic loading and unloading system for sheet metal, allowing a nonstop production.

Up to
30 ton
of punching force

15
stations

150*
max. number of tools

*Please refer to page 38 for more information on tool types

1

SERVO DRIVE PUNCHING UNIT

FANUC high-performance servo drive punching unit without any hydraulic oil, ensuring low energy consumption.
It also includes DualCam technology for high frequency machining operations avoiding overheating of the motor.

2

VERTICAL TURRET

Groundbreaking 15-stations tool change system, unique on the market thanks to its vertical design. This feature, worldwide patented by TECHNOLOGY, allows to have the smallest possible encumbrance in the working area. It can be set up in few seconds thanks to the Speedy Setup system.

3

“C” FRAME

It enables you to process sheets that are bigger than the machine's working range and to load them both frontally and sideways.
The open "C" frame ensures the operator the highest accessibility and visibility of the working area.

4

INTEGRATED AUTO-INDEX SYSTEM

It enables to rotate any tool from 0° to 360°.

5

DUAL MOTOR ON Y-AXIS

The TP Zeta is equipped with a dual motor for Y-axis movement that takes performances to the next level.
TP Zeta can reach a punching frequency of 900 strokes/min with 1mm pitch.

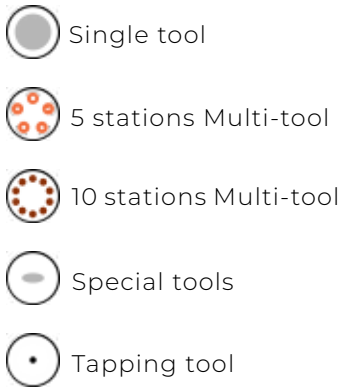
Zeta

Standard Configuration

- "C"-Frame
- 30 Tons of punching force
- Servo drive motor with **DualCam** system
- **"Full Auto-Index"**, integrated system to rotate each tool and all the tools stored in the Multi-tool
- **"Vertical Turret"** with 15-stations automatic tool change system
- No. 2 fixed zero reference for sheet metal positioning
- N. 3 sheet metal clamping pliers. Even for sheets with already bent edges up to 22 mm
- Dual motor for Y-axis movement
- Sensor for detecting the position of sheet metal clamps with automatic **Safety Zone** to avoid impacts between clamps and machine head
- Scrap suction system from the die (It prevents the waste from reaching the working area)
- Sheet metal support table with both brushes and metal balls (for thicknesses up to 3 mm)
- Sensor that detects whether the punch has not been removed from the sheet metal
- Nebulizer with oil to lubricate the working area where the punch works on the sheet metal.
- Automatic repositioning in X axis by holding the sheet metal through the machine head
- Lateral START/STOP button with pedal for opening/closing the clamps.
  (It supports the loading of sheets smaller than 1000x1000 mm)
- FANUC numerical control
- CNC functions to handle special tools (e.g. wheel tools for high speed forming and tapping tool)
- Machine console with 18,5 inch TOUCH SCREEN monitor
- Software installed in the machine:
  - Customized Human-Machine Interface TECNOCONTROL
- Electric panel on the ground
- Tele Assistance
- Instruction manuals

What kind of tools can be used?

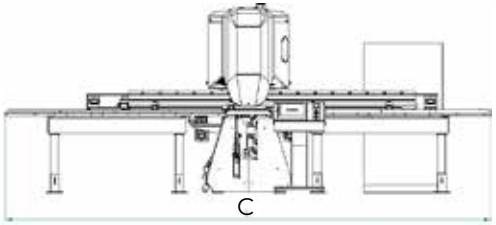
In the 15 stations available on the TP Zeta you can install a single standard tool, a Multitool that gives you the option to insert 5 or 10 tools or special tools to make deformations (e.g. Wheel tool, Louvers, Marking, Embossing).
For more information on tool dimensions, please see page 38.

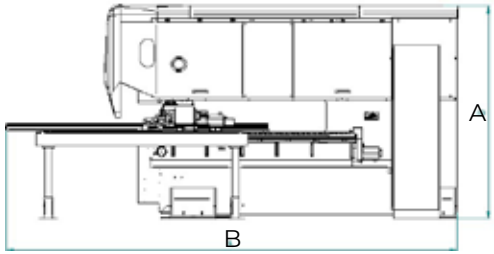


Overall dimensions of the machine

TecnoPunch

	U.M	Zeta 3510	Zeta 3612
Height (A)	mm	2360	2360
Length (B)	mm	4700	4950
Width (C)	mm	5440	6440
Weight	mm	12500	14000





Technical specifications

TecnoPunch

	U.M	Zeta 3510	Zeta 3612
Working Area	mm	1250 x 2500	1500 x 3000
Working Area with repositioning	mm	1250 x 5000	1500 x 6000
Max punching force	Ton	22/30	
Max thickness	mm	6,5	
Max metal sheet weight	Kg	200	
Y-axis stroke	mm	-40 / +1340	-40 / +1590
X-axis stroke	mm	-40 / +2540	-40 / +3040
X-axis movement speed	m/min	90	
Y-axis movement speed	m/min	80	
Simoultaneus speed	m/min	120	
Max punching frequency	stroke/min	900 stroke/min step 1mm | 380 stroke/min step 25,4mm	
Number of tool stations	n°	15	
Number of auto-index tools	n°	15-150*	
Time required for tool change	sec	3	
Time required for tool change with Multi-tool	sec	0,5	
Station setup time	sec	12	
Positioning accuracy	mm	+/- 0,1	
C-axis rotation speed	rpm	60	
Minimum possible C-axis rotation (auto-index)	°	0,01	
Number of total Axes	n°	9	
Stand-by motor consumption	Kw	0,4	
Power consumption during working phase	Kw	7	

* With the use of Multi-tool

TecnoPunch
Zeta XL

One of the key features of TECHNOLOGY Italiana is the huge working area, which allow the processing of over-size sheet metal by repositioning, and enable to achieve incomparable results. It shares with TP Zeta all the advantages of the vertical turret: highest accessibility and versatility, as well as all the innovative technology of TECNOPUNCH machines.

Fino a
30 ton
of punching force

15
stations

150*
max. number of tools

*Please refer to page 38 for more information on tool types

1

SERVO DRIVE PUNCHING UNIT

FANUC high-performance servo drive punching unit without any hydraulic oil, ensuring low energy consumption.
It also includes DualCam technology for high frequency machining operations avoiding overheating of the motor.

2

VERTICAL TURRET

Groundbreaking 15-stations tool change system, unique on the market thanks to its vertical design. This feature, worldwide patented by TECHNOLOGY, allows to have the smallest possible encumbrance in the working area. It can be set up in few seconds thanks to the Speedy Setup system.

3

EXTRA LARGE WORKING RANGE

The only punching machine to have a working range of 1500 x 4000, which allows to process high dimensions sheets without the need of repositioning.

4

INTEGRATED AUTO-INDEX SYSTEM

It enables to rotate any tool from 0° to 360°.

5

DUAL MOTOR ON Y-AXIS

The TP Zeta XL is equipped with a dual motor for Y-axis movement that takes performances to the next level.
TP Zeta can reach a punching frequency of 500 strokes/min with 1mm pitch.

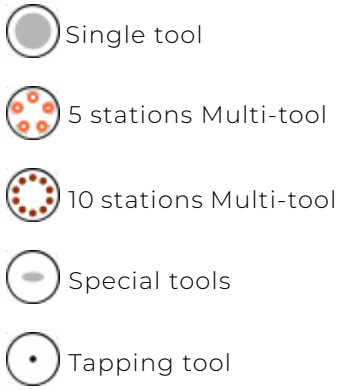

Zeta XL
1
2
3
4
5

Standard Configuration

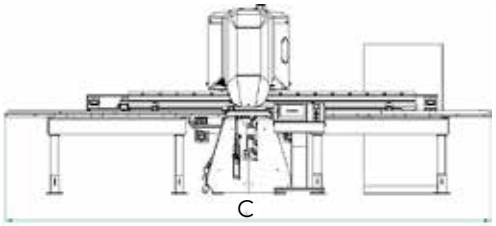
- "C"-Frame
- 22 Tons of punching force
- Servo drive motor with **DualCam** system
- **"Full Auto-Index"**, integrated system to rotate each tool and all the tools stored in the Multi-tool
- **"Vertical Turret"** with 15-stations automatic tool change system
- No. 2 fixed zero reference for sheet metal positioning
- N. 4 sheet metal clamping pliers. Even for sheets with already bent edges up to 22 mm
- Dual motor for Y-axis movement
- Sensor for detecting the position of sheet metal clamps with automatic **Safety Zone** to avoid impacts between clamps and machine head
- Scrap suction system from the die (It prevents the waste from reaching the working area)
- Sheet metal support table with both brushes and metal balls (for thicknesses up to 3 mm)
- Sensor that detects whether the punch has not been removed from the sheet metal
- Nebulizer with oil to lubricate the working area where the punch works on the sheet metal.
- Automatic repositioning in X axis by holding the sheet metal through the machine head
- Lateral START/STOP button with pedal for opening/closing the clamps.
  (It supports the loading of sheets smaller than 1000x1000 mm)
- FANUC numerical control
- CNC functions to handle special tools (e.g. wheel tools for high speed forming and tapping tool)
- Machine console with 18,5 inch TOUCH SCREEN monitor
- Software installed in the machine:
  - Customized Human-Machine Interface TECNOCONTROL
- Electric panel on the ground
- Tele Assistance
- Instruction manuals

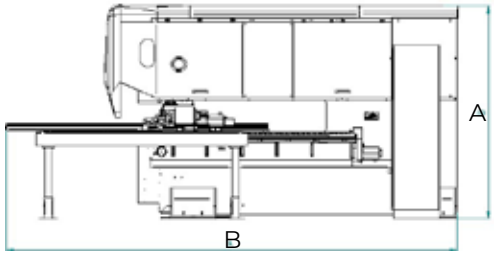
What kind of tools can be used?

In the 15 stations available on the TP Zeta XL you can install a single standard tool, a Multitool that gives you the option to insert 5 or 10 tools or special tools to make deformations (e.g. Wheel tool, Louvers, Marking, Embossing).
For more information on tool dimensions, please see page 38.



Overall dimensions of the machine		**TecnoPunch**
	U.M	**Zeta XL 3616**
Height (A)	mm	2450
Length (B)	mm	4950
Width (C)	mm	8440
Weight	mm	15000





Technical specifications		TecnoPunch
	U.M	**Zeta XL 3616**
Working Area	mm	1500 x 4000
Working Area with repositioning	mm	1500 x 8000
Max punching force	Ton	22/30
Max thickness	mm	6,5
Max metal sheet weight	Kg	200
Y-axis stroke	mm	-40 / +1590
X-axis stroke	mm	-40 / +4100
X-axis movement speed	m/min	70
Y-axis movement speed	m/min	55
Simoultaneus speed	m/min	89
Max punching frequency	stroke/min	500 stroke/min step 1mm | 380 stroke/min step 25,4mm
Number of tool stations	n°	15
Number of auto-index tools	n°	15-150*
Time required for tool change	sec	3
Time required for tool change with Multi-tool	sec	0,5
Station setup time	sec	12
Positioning accuracy	mm	+/- 0,1
C-axis rotation speed	rpm	60
Minimum possible C-axis rotation (auto-index)	°	0,01
Number of total Axes	n°	9
Stand-by motor consumption	Kw	0,4
Power consumption during working phase	Kw	7

* With the use of Multi-tool

Advanc

ed Line

Automate the **sheet metal working** process

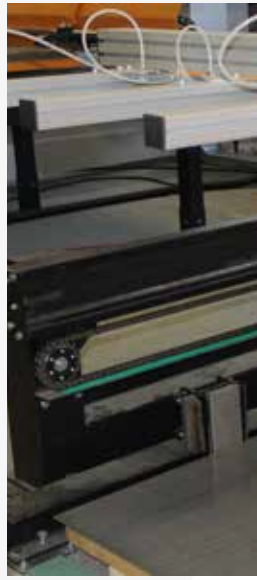
TECHNOLOGY offers various solutions to automate the punching machine production cycle: ranging from the simple sheet metal loading and unloading to the sorting of pieces (stacking workpieces on a pallet).

Why choose automation?

- **Unattended work cycles**
  It is possible to set work cycles even during night time, without the need of any operator.
- **Production time never changes from one time to another**
  The work cycles will always have the same duration.
- **Automatic sheet metal loading/unloading**
  Handling of large and heavy sheets metal without operator supervision.
- **Maximum safety at work**
  The fully automated production cycle prevents operators from suffering injuries.


TCP Plus 616


Max 3000 Kg



Our **automation** system

1. Automatic sheet metal loading and unloading

It allows automatizing the loading and unloading cycle of manufactured or micro-jointed sheets, without programming.

- Automatic sheet metal loading and unloading
- Compact system

---

2. Automatic sheet metal loading/unloading + Sorting

It allows to stack the finished workpieces on pallets (sorting) by programming the operations in a simple and intuitive way using the JetCam Cad/Cam software. Thanks to this feature, processing sheets with micro-junctions is avoided.

Besides, you can carry out normal sheet metal loading and unloading operations without the need for programming.

- Automatic sheet metal loading and unloading
- Stacking workpieces on pallets (sorting)
- Compact system

Customer **Experience**

There is only one way to enhance our mission: to give voice to our customers who are enthusiastic about their business experience with TECHNOLOGY.

The TECHNOLOGY company is always responsive to the slightest problem and attentive to listening and advising by providing any further information we may need.We bought our first TECHNOLOGY punching machine over 25 years ago, it seduced us for the technical innovation of the 15 auto-index stations; since then we have followed all the evolutions until, one year ago, we arrived to buy the third machine of this type: TP Zeta 3510.

Jacky Racine
Owner, GALVASTEEL
(FRANCE)

Given the need to automate the production with a numerical control machine, among the various options I examined the best was Technology Italiana: quality and first class technology at the proper price.

Claudio Mus
Owner, OSCAM (ITALY)

Our current Technology punching machine is a true "working horse" that has never ceased to operate for seven years and allows to produce quality pieces with really low maintenance cost. When it will be necessary to replace the current machine or increase the production line, surely our next machine will be another Technology.

Predrag Marin
Owner, MARINEXPERT D.O.O.
(CROATIA)

The strength, speed and precision of the machine combined with the soundness of Technology Italiana were the reasons that convinced us to choose them as our machinery suppliers.
We must also mention their unbeatable after-sales service that makes us even more convinced that we made the right choice.

Rudyard Cattan
Owner, INDUSTRIAS CATTAN
(PANAMA)

Where TECHNOLOGY Punching Machines are installed

1300

Installed Punching Machines

Algeria	Ecuador	Israel	Poland	Tunisia
Saudi Arabia	Estonia	Italy	Portugal	U.S.A
Austria	France	Lebanon	Czech Republic	Ukraine
Belgium	Germany	Libya	Romania	Hungary
Belarus	Greece	Macedonia	Russia	Venezuela
Bolivia	India	Mali	Slovakia	
Bosnia Herzegovina	England	Morocco	Slovenia	
China	Iran	Mexico	Spain	
Colombia	Iraq	Pakistan	South Africa	
Croatia	Island	Panama	Switzerland	

Tool **Holders**

Thanks to the tool holder system, inserting a tool on the machine becomes a simple and user-friendly operation. Since its creation, TECHNOLOGY has been using this type of system with the aim of rendering the use of punching machines more immediate and at the same time as customizable as possible.
In fact, the tool holders can be inserted in any station of our punching machines, without any constraint of size or type of tool.

In order to guarantee the highest possible availability of tools, TECHNOLOGY has chosen to set up its machines with Trumpf style tools, creating a new series of tool holders in partnership with Wilson Tool that allow the operator to use all Trumpf tools.

1. Standard tool holders
For housing standard tools with Ø 1.5 mm to
Ø 76.2 mm

1. Special tool holders
Holder for housing special tools, e.g. wheel tools, and forming tools.

3. Tool holders for tapping tool
Holder for tapping tool M2.5 to M10

4. Tool holders for Multi-tool
For the housing of:

- **5** stations Multi-tool (da Ø 1,5 a Ø da 16)
- **10** stations Multi-tool (da Ø 1,5 a Ø da 10,5)

TECHNOLOGY punching machines keep full compatibility with TECHNOLOGY-style toolholders.

Punch Holder

Punch

Stripper

Sheet metal

Die

Die Holder

Setting up a TECHNOLOGY punching machine is extremely simple

The tool holders consist of two elements:

- **Punch holder**:
  used to hold the punch and stripper.
- **Die holder:**
  used to contain the die.

Once the tool has been inserted inside the holder, it only takes a few seconds to place the tool holder on the machine, thanks to the **Speedy Setup** system..

Multi-tool. An immediate way to increase the number of tools

Multi-tool technology allows more tools (5 or 10) to be used in a single station and shortens tool change time to 0.5 seconds.

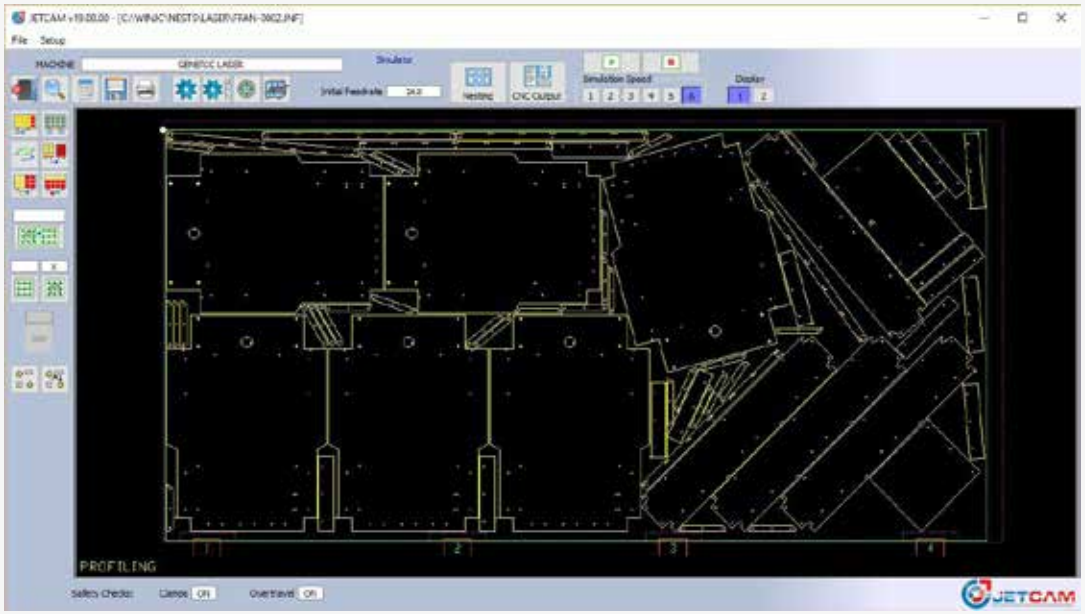
The tools contained in the Multi-tool can also use auto-index technology to rotate them from 0° to 360°.

CAD/CAM Software

Import

DXF DWG

We have chosen the CAD/CAM programming software JetCam Expert for our
machines because it has been created and designed specifically for punching machines.
It is a stable, intuitive and fast software able to offer advanced functions to program the punching machines and speed up production processes.
Its user-friendly interface is fully customizable,
and allows you to perform more advanced programming in simple ways.
JETCAM Expert is available in three versions with a series of additional units that give you the chance to create customized configurations.



Some features of the JetCam software

- DXF file viewer
- Integrated CAD for editing and exporting files
- CAD for importing drawings in .DXF format
- and .DWG
- Automatic nesting
- Automatic selection of the best tools for
- perform the processing
- Tool library management
- Possibility of interface with company management software -Enterprise Resource Planning (ERP)
- Management of complex machines (punching machines + automatic loading and unloading systems)

Choose how you want to program your punching machine.

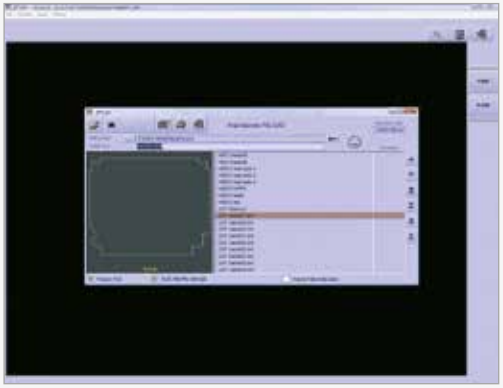
After a long collaboration of more than 20 years, TECHNOLOGY recommends using JetCam software to get the best out of your punching machines.

TECHNOLOGY punching machines, however, can also be programmed with the most popular CAD/CAM software like:

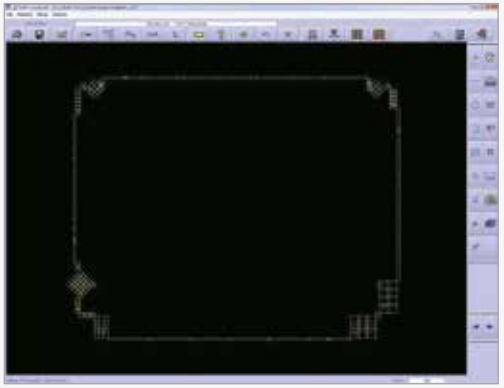
- Computes
- Axion
- Radan
- Metalix
- Lantek

Create programs.
Transfer them to the machine.
Everything in a few simple steps.

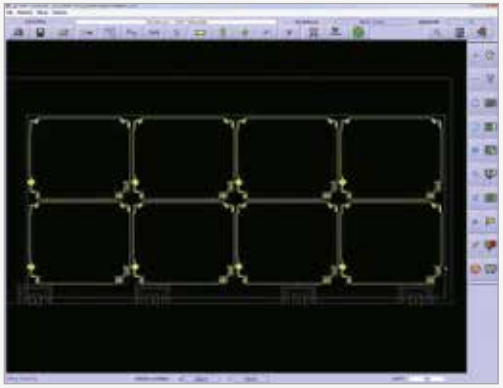
With the CAD/CAM software you can realize the programs for the punch press in a few steps directly from your computer.
After completing the programming you will have to perform one last step, which consists in transferring the data to the machine.This last step can be completed in a simple way using the wired network (LAN) or with a simple USB key to be inserted in one of the ports of the console.



Step 1
Importing DXF or DWG files.



Step 2
The software selects the most suitable tools from the libraries for performing the machining.



Step 3
The nesting is generated and then the CNC code to load into the machine is created.

3D CAD Software

A 3D CAD software for design, drawing, 3D modeling and rendering that speeds up and perfects the production of sheet metal companies.
A process, that of three-dimensional drawing, which helps to **improve and optimize all production processes**.

Time and work saving

Advanced functions allow you to speed up the planning phase and optimize the producibility level of the drawing, reducing time of work. Fast also for opening and managing the CAD files receive.

Immediately operative

Take immediate advantages of the potential! It won't take long to learn because the software is really intuitive.

2D/3D Solution

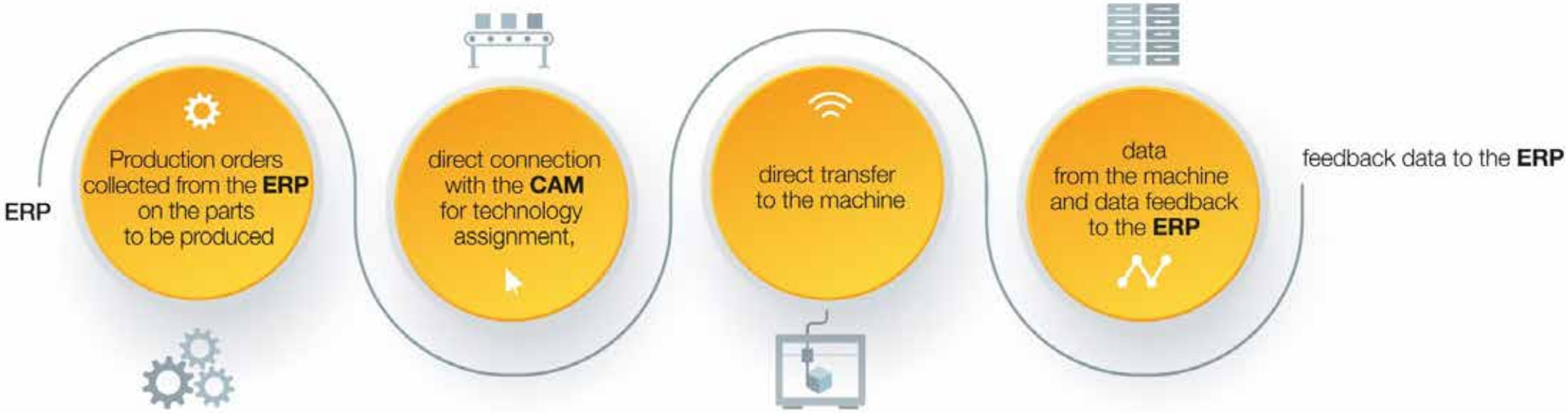
The integrated 2D / 3D environment allows you to simultaneously view an object in 3D (including model deformations) and its 2D drawing, as well as sheet metal development and all useful information for the various work phases.

Smart **Factory**

Smart **Factory** is a tailor-made solution that integrates production management software, CAMs and machines. In this way, the digitization of information and interconnection within the company is made concrete.

The tailor-made solution for **Industry 4.0**

by **Computes**



The advantages of an interconnected company

- **Increased productivity**
- **Data storage more efficient**
- **Reduction of errors in the workflow**
- **Processing monitoring**

A **global service** for punching

Choosing **The punching specialists** means relying on a single partner able to offer global and exclusive services for punching.

Specialized technicians always by your side

Our specialized technicians intervene in all the countries where we have installed TECHNOLOGY punching machines

We solve 75% of all downtime by remote assistance

With a simple Internet connection we can make a complete error diagnosis, reducing periods of downtime.

If you subscribe to the TECHNOLOGY First program you will have access to many advantages and discounts on all services. It is reserved to each customer possessing a TECHNOLOGY punching machine.

Other Services

- Retrofit of your TECHNOLOGY CNC Punching Machine
- Scheduled maintenance
- Original spare parts
- Online portal to sell your CNC punching machine

Punching
tools

TECHNOLOGY and TRUMPF-style tools make it possible to carry out several sheet metal working operations.
We offer a wide range of tools that can be purchased directly from our online shop.
Specialized consultants are at your disposal to help you choose the most suitable tool and to support you in the creation of special tools (e.g. Logos).

The **first online shop** where you can buy punching tools and spare parts

Buy tools for your CNC punching machine online at our TECHNOLOGY Shop.

- Buy when you want 24 hours a day
- Prices displayed online without registration
- Free shipping

shop.technologyitaliana.com

TECHNOLOGY

The CNC Punching Machine specialists

START LINE

EN

About **us**

TECHNOLOGY Italiana is a historical company that has been operating in the machine tool sector for over 45 years, becoming an indisputable reference point.

In 1973 “Officine Piccini e Bassich”, already active in the light carpentry sector since 1964, became TECHNOLOGY Italiana. It all started when they were looking for a punching machine but, not being able to find a solution on the market suitable for their production needs, they decided to manufacture the first TECHNOLOGY CNC punching machine themselves. Since then we have constantly dedicated ourselves to the production of punching machines for sheet metal working.

The research and development activity is entirely focused on the design of CNC punching machines and this is why we can define ourselves as absolute specialists in the sector. Our long experience together with the precious collaboration with international partners allow us to offer innovative technology and services, in the name of Made in Italy quality.

TECHNOLOGY Italiana is also a synonym of reliability. We have always strived to meet customers’ needs, offering the widest range of punching machines on the market, becoming real consultants for them.

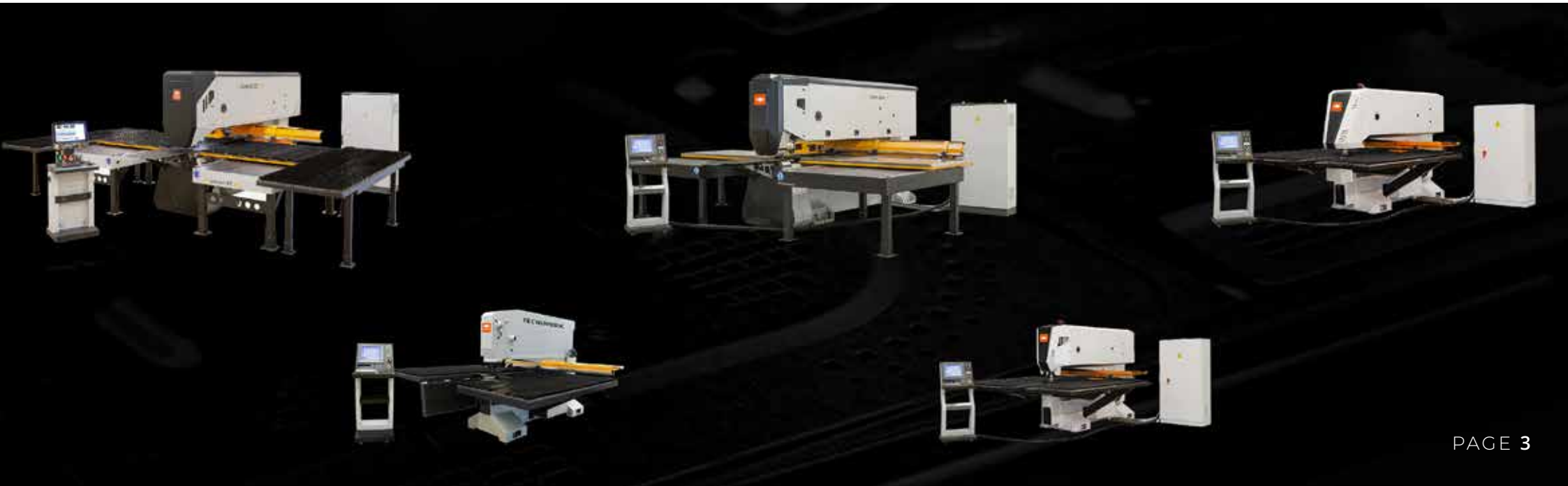
Vision & **Mission**

Our **Vision**

We want to become the benchmark in sheet metal punching technology on a worldwide level. Our company is constantly looking for global, smart and innovative solutions.

Our **Mission**

We want to give our customers a unique business experience, providing them with the best punching technology. We are not just simple suppliers but real partners who constantly monitor their customers with targeted after-sales services.



Our **figures**

These numbers reflect TECHNOLOGY's path of growth and innovation, defining the ambitious road we have taken.

50

YEARS OF EXPERIENCE
Since 1973 we have been operating in the machine tool sector as manufacturers of CNC punching machines.

1400

INSTALLED PUNCHING MACHINES
Over the years we have installed more than 1300 machines worldwide.

16

MODELS OF MACHINES
The wide choice of machines is a feature that makes TECHNOLOGY stand out on the market.

45

COUNTRIES WHERE WE HAVE OUR MACHINES INSTALLED
TECHNOLOGY is active at global level in the sale of punching machines

Why rely on the **punching specialists**

Expertise and reliability

Our long experience in the field has allowed us to acquire a high knowledge in punching technology. Today we share our expertise with our customers, becoming real consultants for them.

Research and Development

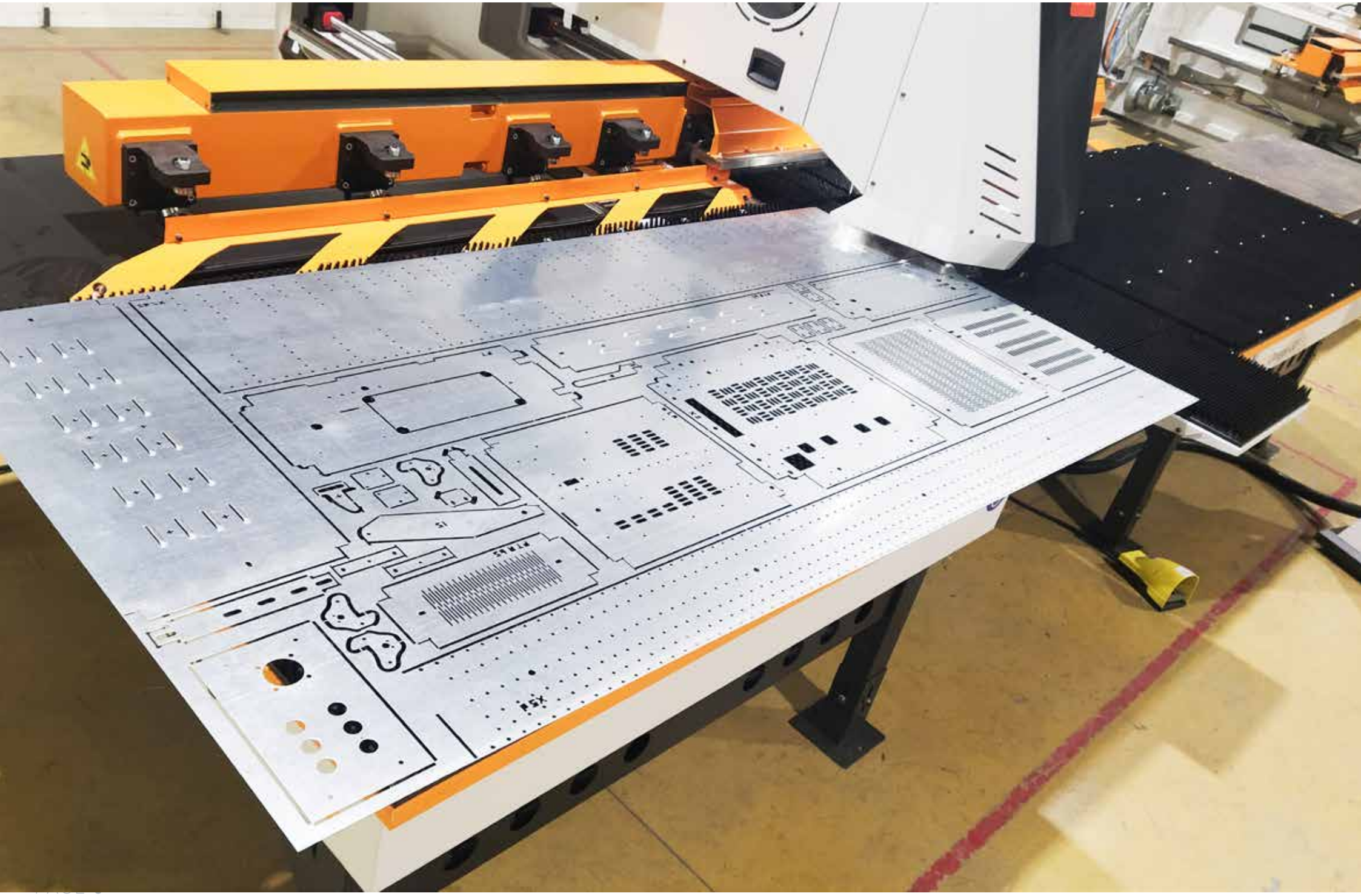
In order to continue to be the Punching Specialists, every year we invest 5% of our turnover in Research and Development. We can thus offer our customers cutting-edge technology.

Wide range

We offer a wide range of CNC punching machines that allows to find the ideal solution for both small and large companies.

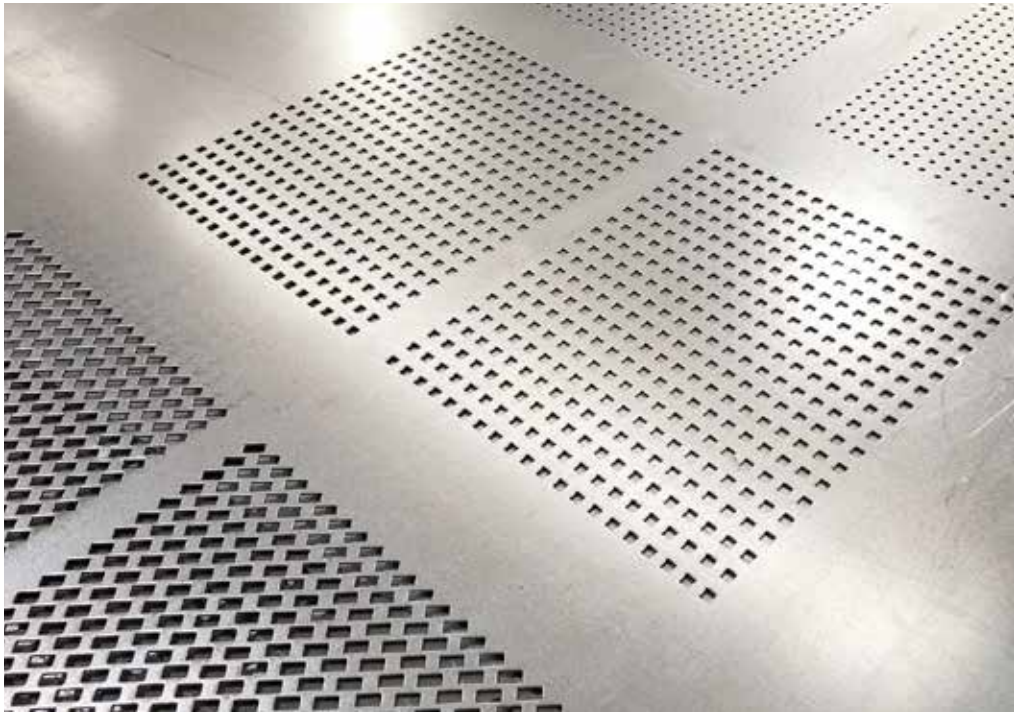
Always by your side

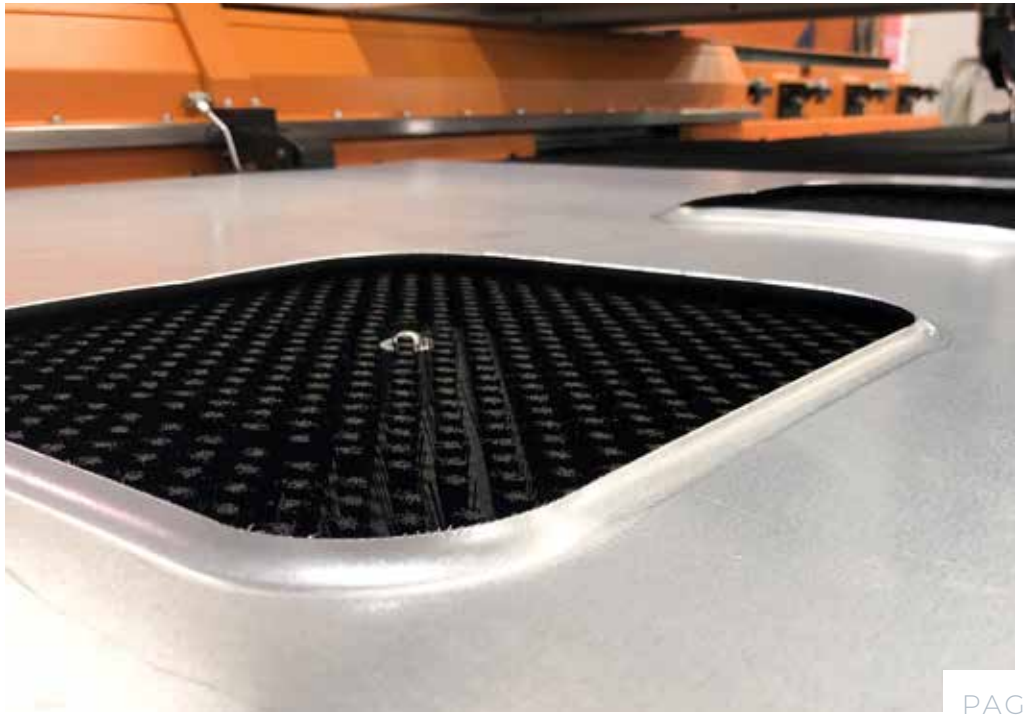
We are constantly at the customer's side, offering a global after-sales service, so as to be the only reference point for any need.



The art **of punching.**

Let yourself be inspired by the many options that the punching machine offers you to cut and deform sheet metal.





Processing on sheet metal. **Precision and quality.**

The punching machine is the best solution to perform cutting and/or deformation operations on sheet metal from 1 to 6 mm. All this at low cost, without sacrificing precision and quality.

Fine contouring

Fine contouring for complex machining operations, ensuring high workpiece quality.

Forming

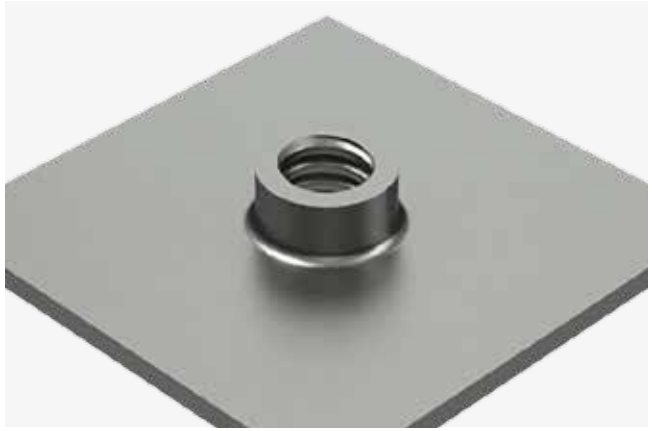
Forming with single punch or by step (e.g. louvers)

Embossing

Embossing operations

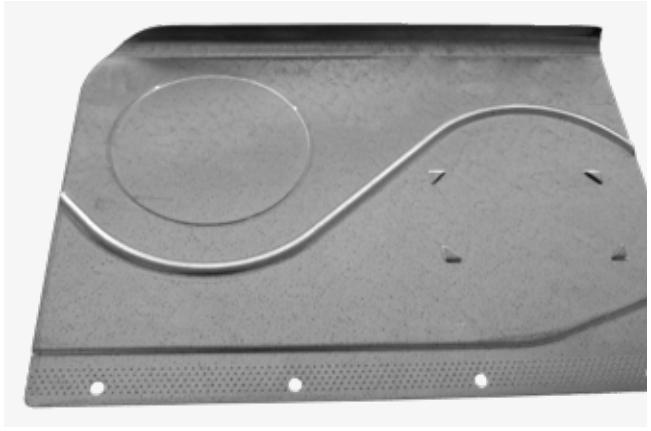
Marking

Marking machining to realize logos, lettering or other forms.



Tapping

Tapping without chip removal on holes previously realized.



High speed forming

CNC functions for the realization of Drag and Drop forming (wheel tools by WILSON TOOL)

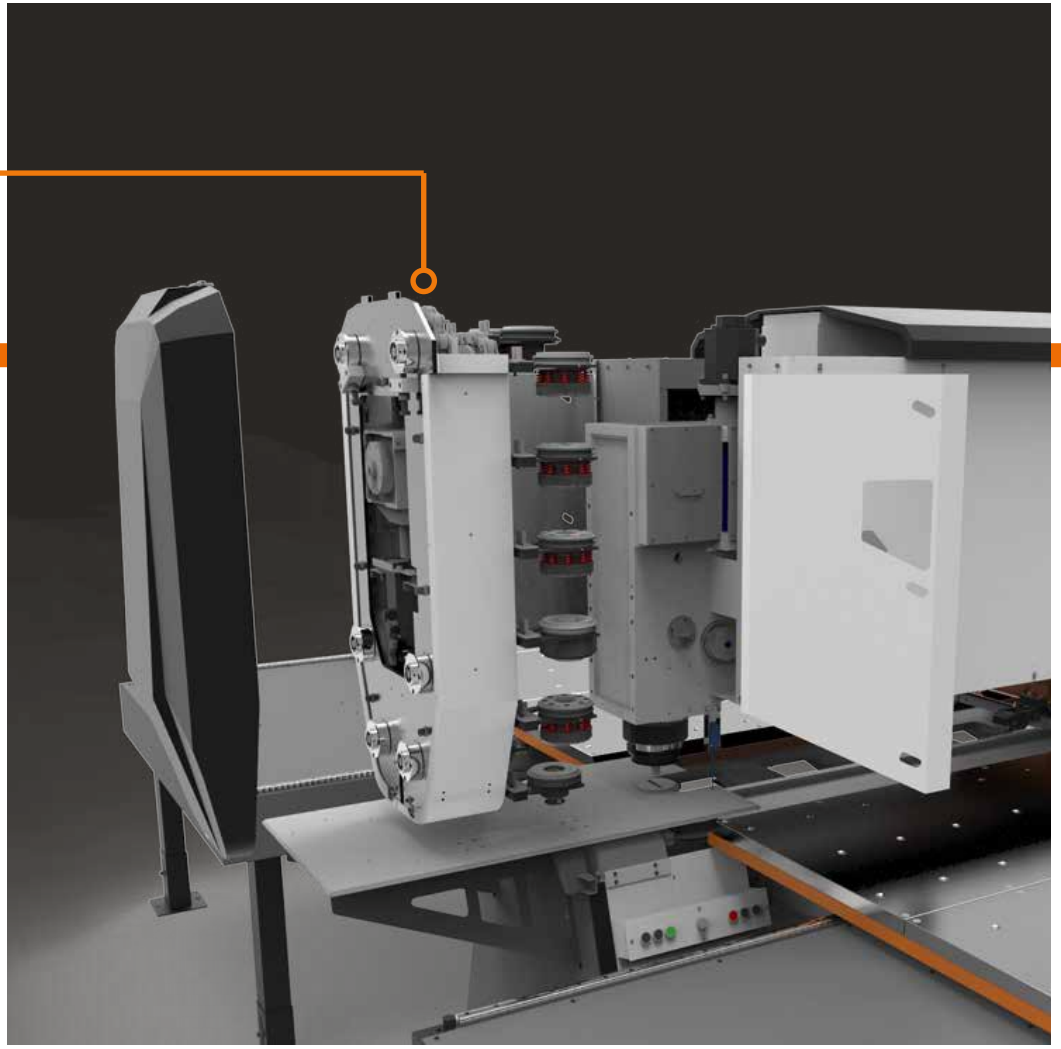
Tool change system
The future is here

Innovation and functionality are the leitmotif of every tool change system on TECHNOLOGY punching machines.
Vertical Turret, Smart Turret and Fast Change stand out from all the tool change systems on the market for their unique features never seen before on a punching machine.

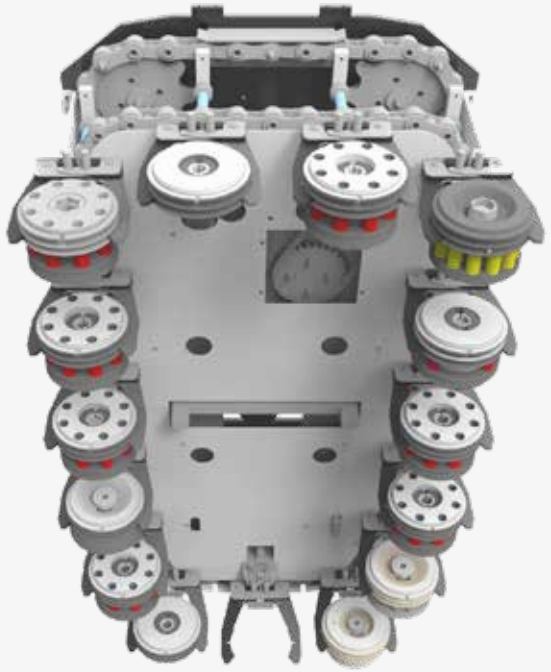
Vertical Turret

(TP Alpha Matic 15 - TP Gamma
TP Zeta - TP Zeta XL)

Vertical Turret differs from any other automatic tool change technology due to its strategic position and vertical design.
Worldwide patented, it features auto-index system (tool rotation) for all tools and employs the Speedy Setup system to equip each station in just 12 seconds.
In addition, the tool configuration of the 15 stations of the Vertical Turret can be changed and customized over time according to production needs.



Why choose the **Vertical Turret**



Innovative vertical turret

The strategic position of the Vertical Turret enables more complex forming operations to be carried out, thanks to the reduced encumbrance in the work area. Moreover, the operator has a better visibility of the sheet metal being worked.

Maximum configuration versatility

The machine configuration can be customized by inserting any kind of tool in every station. The innovative Speedy Setup system allows to equip each station in just 12 seconds.

All tools are rotating (auto-index)

By rotating any tool from 0° to 360° the number of tools to be purchased and the machining time is significantly reduced. Sheet metal waste is minimized thanks to the possibility of performing complex nestings.

SPEEDY SETUP

Smart Turret

(TP Alpha Matic 5 - TP Beta)

Smart Turret is an automatic and versatile tool change system, designed in a horizontal position. Its 5 stations are all equipped with the auto-index technology that allows the tool to rotate from 0° to 360°. The Smart Turret provides a customized configuration and exploits the The Speedy Setup system to equip each station in just 12 seconds.

All tools are rotating (auto-index)

By rotating any tool from 0° to 360° the number of tools to be purchased and the machining time is significantly reduced. Sheet metal waste is minimized thanks to the possibility of performing complex nestings.

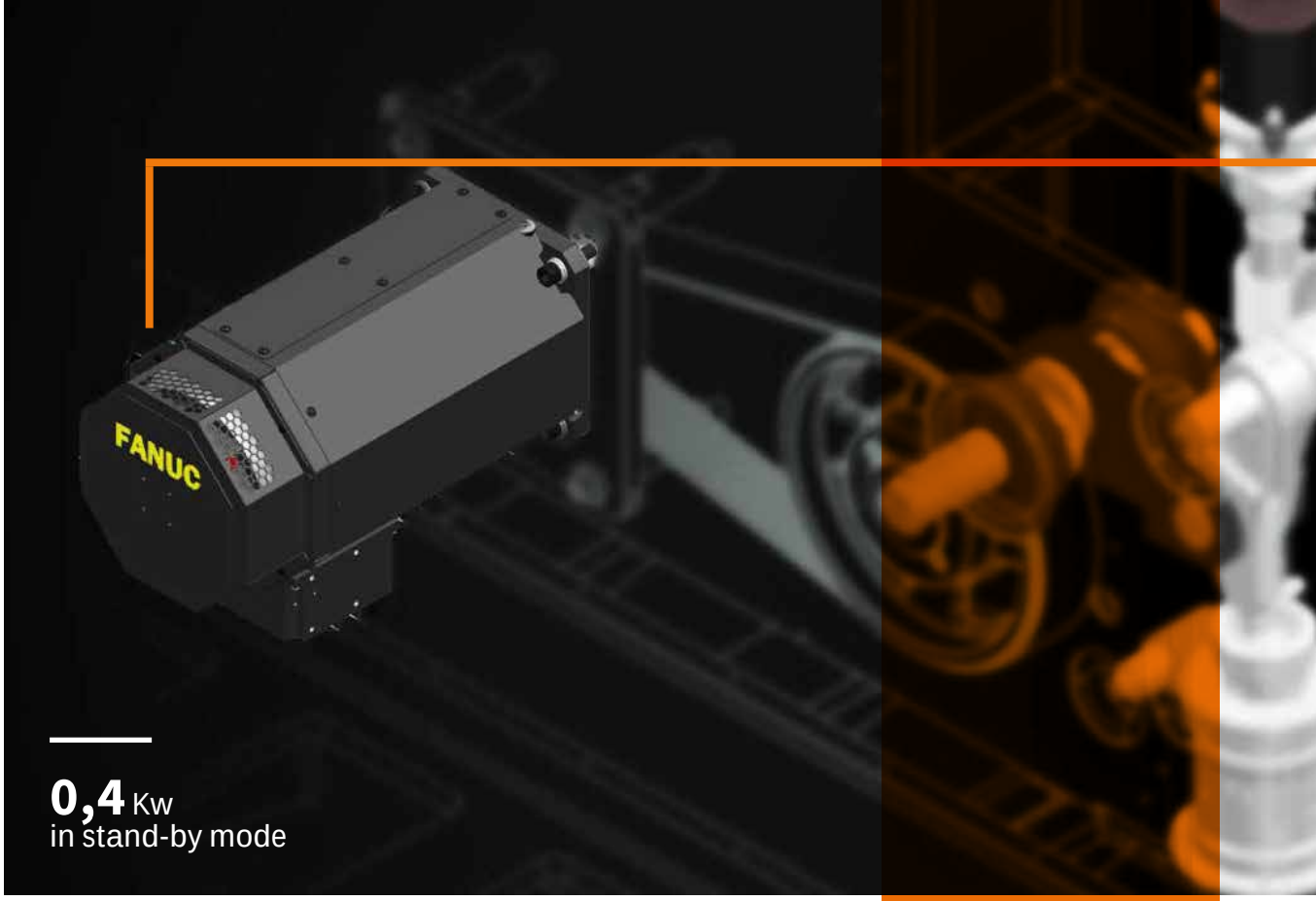
Maximum configuration versatility

The machine configuration can be customized by inserting any kind of tool in every station. The innovative Speedy Setup system allows to equip each station in just 12 seconds.

Fast
Change
(Tecnumerik - TP Alpha)

For a semi-automatic punch press the speed of tool change is a key point. This is why TECHNOLOGY punching machines using manual tool change system (Tecnumerik and Alpha) are equipped with the Fast Change system, which allows to replace the tool on the machine in just 12 seconds.
Fast Change is the fastest and easiest manual tool change system on the market.

Latest generation **servo drive** technolgy



All TECHNOLOGY punching machines look to the future.
The outdated hydraulic punching system has been supplanted by the most efficient servo drive technology, adopted by TECHNOLOGY on the whole line of punching machines.

The servo drive system designed by TECHNOLOGY combines excellent performance with significant energy savings.
This is a crucial factor in a world that is increasingly moving towards energy efficient solutions.

Stand-by mode. During stand-by mode the motors are switched off to reduce power consumption to only 0.4 Kw.

FANUC motor. For all electronic components TECHNOLOGY relies on the world leader in this field, namely FANUC.

Absence of hydraulic oil. The servoelectric system ensures reduced energy consumption due to the absence of chiller systems required to cool down the unit. Besides, it requires minimal maintenance costs.

SoftPunch mode. This function allows to considerably reduce the noise when machining thicker workpieces.

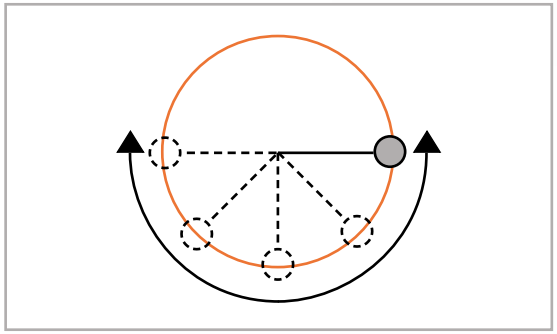
DualCam. Innovative technology with which to implement high frequency machining operations avoiding overheating of the motor.

Without Hydraulic Oil

DualCam

Servo electric motor with dual mode. An exclusive feature of TECHNOLOGY punching machines.

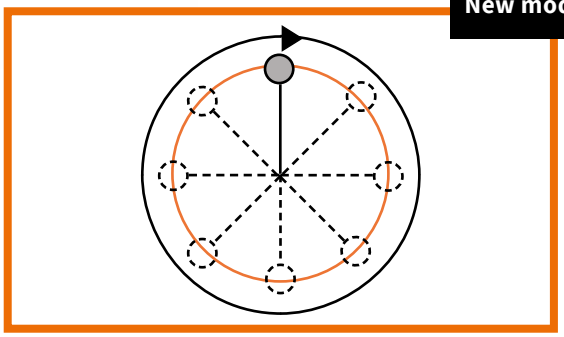
For the first time on a punching machine, high-frequency operations can be carried out without motor overheating, thanks to the innovative DualCAM technology. TECHNOLOGY has thus introduced a **new CONTINUOUS ROTATION mode of the engine**, in addition to the traditional PENDULUM mode, which is common to all punching machines.



PENDOLUM Mode

Useful for single punching operations. It allows to program the punch stroke. It is fast but it causes motor overheating.

New mode



CONTINUOUS ROTATION Mode

It reduces the dynamic stress of the motor and is perfect for making deformations, such as nibbling and grids, because there is more space between punch and die.

How does it work?

PENDOLUM Mode

The motor performs a movement equivalent to that of a pendulum, making continuous braking and accelerations. In this mode the punching machine is faster but overheating of the motor increases.

CONTINUOUS ROTATION Mode

The motor performs complete rotations without any braking nor acceleration. In this mode the punching machine is not subjected to motor overheating.

Advantages

- Non stop high-frequency machining
- Punching frequency of 900 strokes/min
- Dynamic stress of the servo-electric system almost zero
- Absence of chiller cooling systems
- Reduced noise thanks to the SoftPunch function

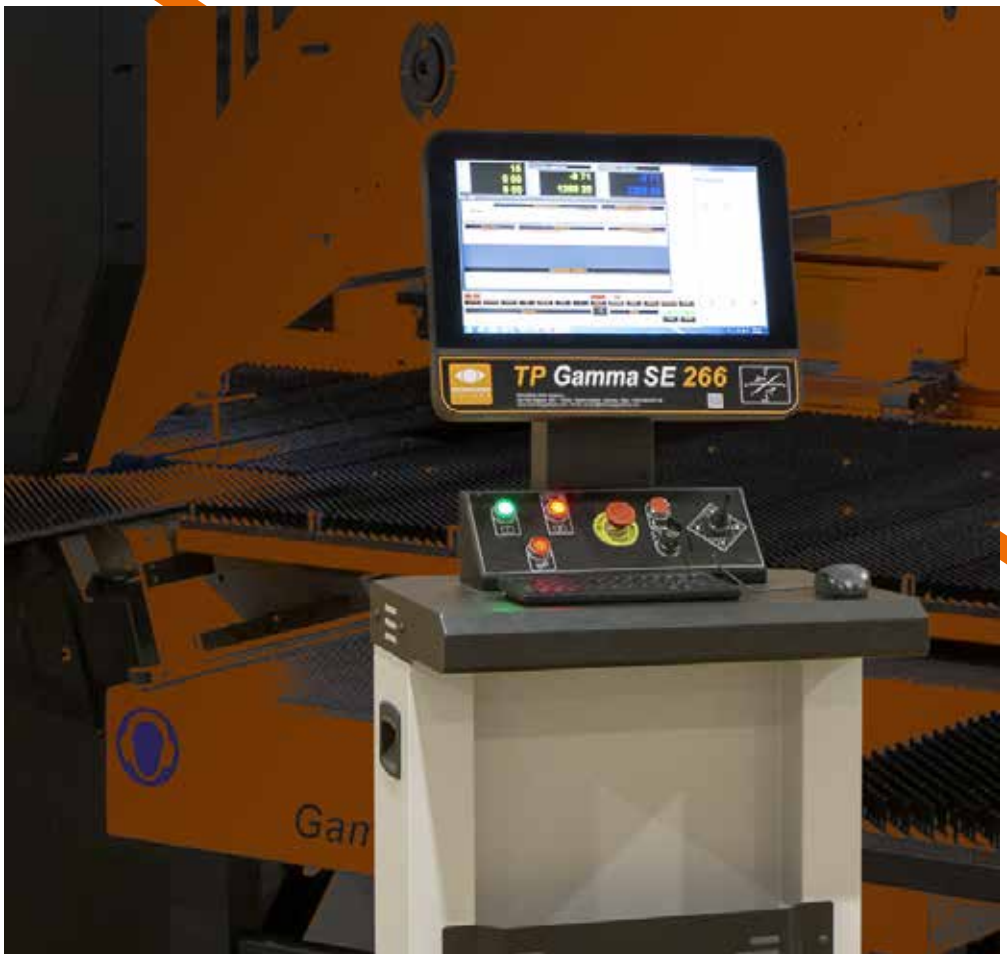
Open
“C” Frame

The open "C" frame provides the highest possible accessibility.
Unlike closed structures, the "C" shaped frame is the only solution to **process sheets that are larger than the machine working area** and is ideal for loading sheets on multiple sides without obstacles.

Enhanced accessibility

Ease of access to the machine and **increased visibility** in the work area are features you cannot miss if you want to increase production efficiency. TECHNOLOGY has always adopted the "C" frame for its punching machines, as its benefits are remarkable.

*Since **1973** we have been designing our punching machines with the "C" frame.*



Customized **Human Machine Interface (HMI)**

All punching machines are equipped with a console featuring PC, 18,5" touch-screen monitor and a simple and intuitive **HMI (Human Machine Interface)** created by TECHNOLOGY specifically for its customers.

The HMI interface provides a simple way to use the machine by exploiting three different modes of operation (manual, semi-automatic, automatic). This feature is useful especially with single-punch semi-automatic punching machines such as Tecnumerik and TP Alpha.

Three modes of operation of the punching machine

1

Manual

The punching operations and the movement of the axis are performed manually, using the pedal and the joystick installed on the control panel.

2

Semi-automatic

The movement of the axes is automatic (according to programming) while the punching operation is manual by using the pedal.

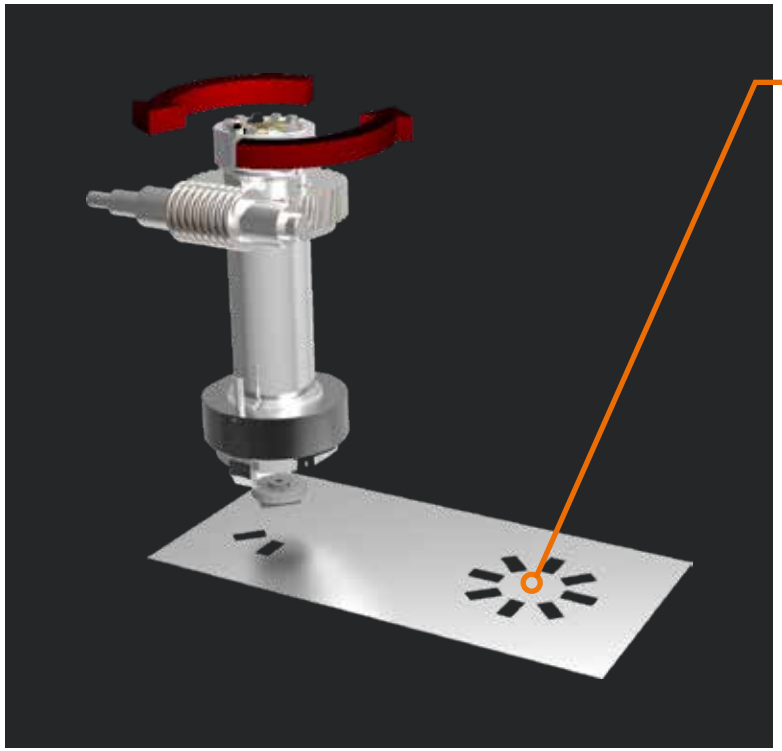
3

Automatic

Once the program has been realized with the graphic software TECNOCAM, punching operations and axis movement are automatic.

Change the rules of the game. **Embrace the Auto-index technology**

The advanced integrated auto-index system allows any tool to be oriented from 0° to 360°, with an accuracy of 0.01°. Thus the number of tools to be purchased is drastically reduced.
In addition, with CAD/CAM software you can automatically perform complex nesting by reducing programming and production time.



Auto-Index

The workpiece in the image was created by using a single tool rotated from 0° to 360°.

- Automatic creation of complex nesting using CAD/CAM software
- Fewer tools to buy, since each tool can be rotated by 360°.
- It makes it easier to program the machine
- Reduced production times
- Tool rotation accuracy of 0.01°

Save time and money

The example shows the advantage of having all rotating tools.

A. Without auto-index

3 tools

B. With auto-index

1 tools

In example **A** (machine with limited number of auto-indexlimited) it is necessary to purchase 3 tools to carry out the three desired shapes.

In the example **B** (machine with all rotating tools - TECHNOLOGY) just one rotating tool is enough to perform the same three operations as case A.
This leads to considerable savings in terms of time and money.

The smallest and cheapest punching tools

Our punching machines are equipped with the best tools on the market, namely **TRUMPF-style tools**.
Thanks to their small size, the TRUMPF style tools are much easier to handle and guarantee up to 70% savings.

The latest generation of TECHNOLOGY punching machines maintain full compatibility with TECHNOLOGY style tools.

63%

SMALLER

THAN TURRET TOOLS

70%

CHEAPER

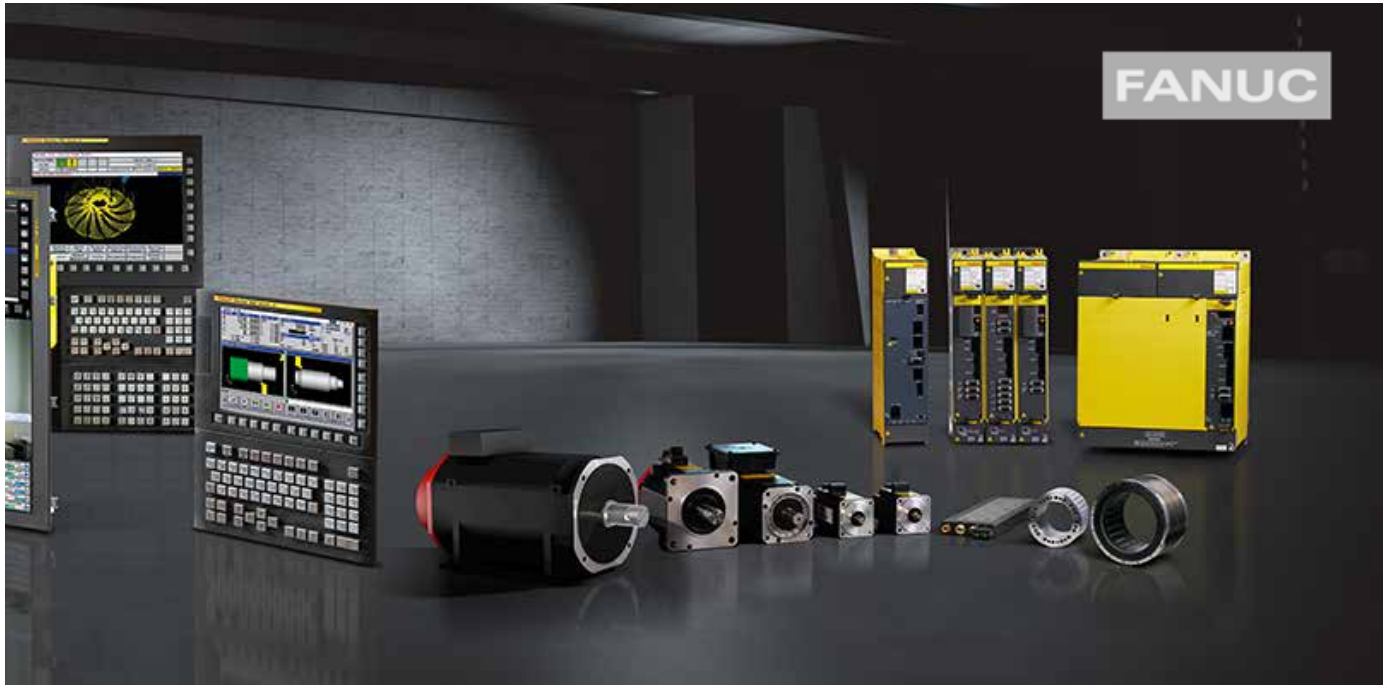
THAN TURRET TOOLS

73%

LIGHTER

THAN TURRET TOOLS

The **thinking brain** of punching machines.



24 Months warranty

25 Years of spare parts availability

263 Service branches in 108 countries

Why we choose FANUC for the electronic components of our punching machines

As for all CNC machines, also for the punching machine, the electronic component is the essential part, but at the same time the most fragile. For this reason, when talking about the CNC, motors and drives of a machine, it is extremely important to rely on specialized partners.

That is why TECHNOLOGY has selected a top level partner such as **FANUC**, a world leader company able to guarantee maximum reliability, quality and availability of components over time.

- Technical assistance around the world
- High quality and long-lasting components
- Warranty extension up to 5 years

World-class partners

Since 1973 TECHNOLOGY has been manufacturing its punching machines choosing only high quality partners and suppliers to obtain excellent quality results

Start Line

Innovative punching machines equipped with all the latest generation technologies.
The Start Line starts from the irreplaceable single-punch up to the automatic punching machines.

Tecnumerik

Typology Semi-Automatica
Productivity ★ ☆ ☆ ☆ ☆

TP Alpha

Typology Semi-Automatica
Productivity ★ ★ ☆ ☆ ☆

TP Alpha Matic 5

Typology Automatica
Productivity ★ ★ ½ ☆ ☆

TP Alpha Matic 15

Typology Automatica
Productivity ★ ★ ★ ☆ ☆

TP Beta

Typology Automatica
Productivity ★ ★ ★ ½ ☆

TP Gamma

Typology Automatica
Productivity ★ ★ ★ ★ ☆

Tecnumerik

Designed to be the small punching machine that is indispensable in every carpenter's workshop. Ideal for making prototypes, small and simple productions and modifications of workpieces already manufactured with an automatic or laser machine.

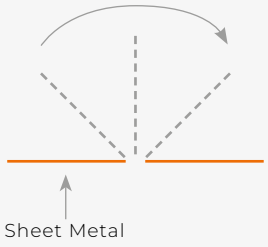
Semi-Automatic. The tool change of the machine is performed manually, while the punching operations can be managed in three modes: manual, semi-automatic and automatic (see page 15).

25 tons
of punching
force

1
stations

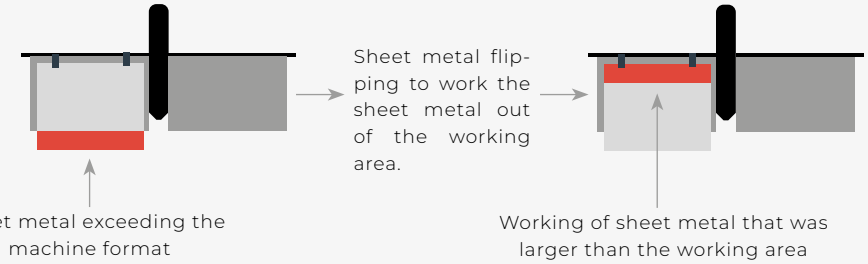
di potenza

Technical specifications		Tecnumerik
	U.M	**256**
Working Area	mm	1250 x 1500
Working Area with repositioning	mm	1250 x 3000
Sheet metal format that can be processed (with repositioning and flipping*)	mm	1500 x 3000
Max punching force	Ton	25
Max thickness	mm	6
Max metal sheet weight	Kg	150
Y-axis stroke	mm	-25 / +1250
X-axis stroke	mm	-40 / +1550
Simoultaneus speed	m/min	80
Max punching frequency	stroke/min	600 stroke/min step 1mm | 310 stroke/min step 25,4mm
Number of tool stations	n°	1
Station setup time	sec	12
Positioning accuracy	mm	+/- 0,05
Punching accuracy	n°	+/- 0,1
Stand-by motor consumption	Kw	0,4
Power consumption during working phase	Kw	4
Dimension (height, lenght, width)	mm	2300 x 3900 x 3830
Weight	Kg	3800



*Flipping

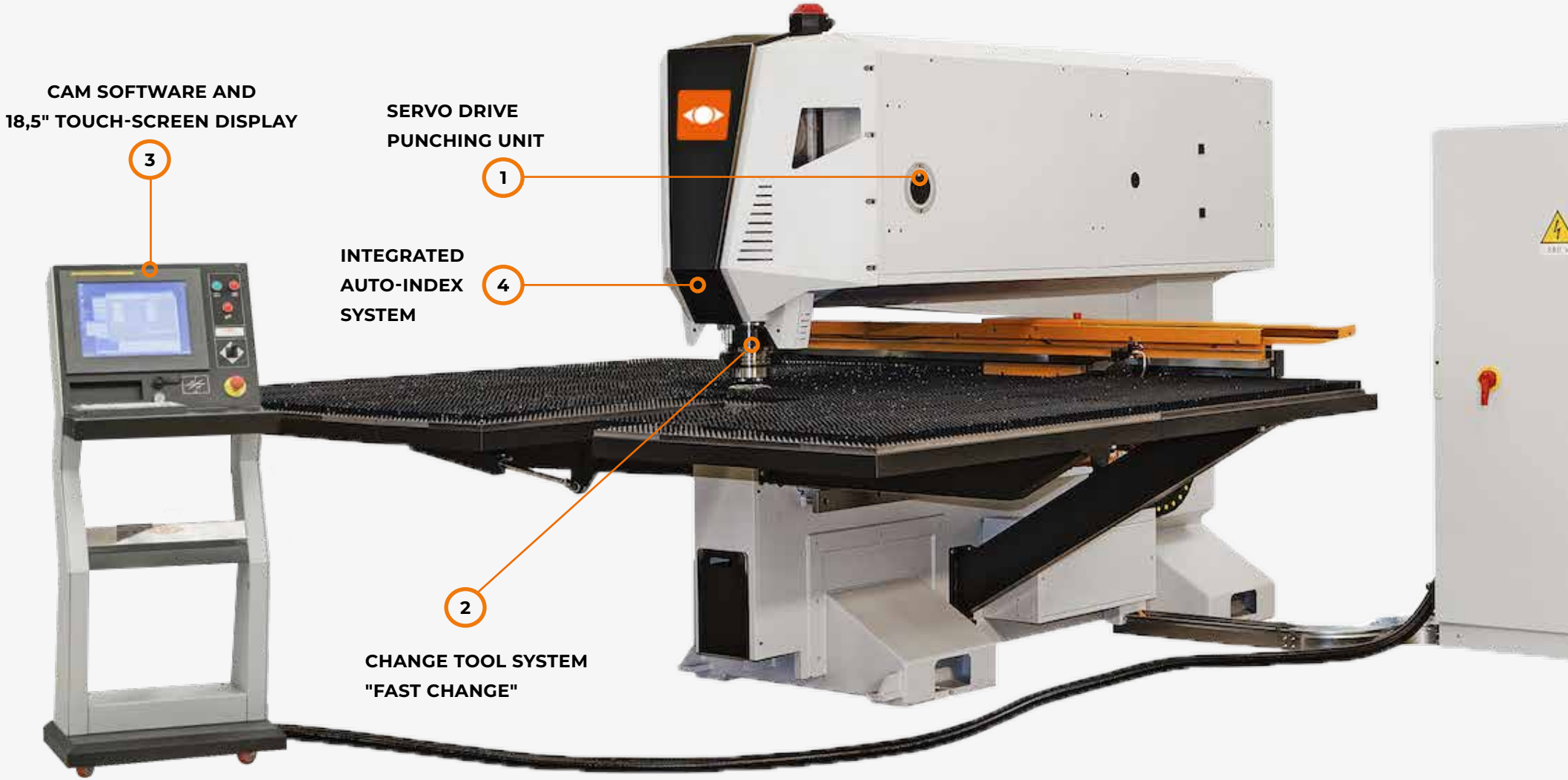
By flipping the sheet metal, it is possible to work sheets that are larger than the Y-axis of the machine.



TecnoPunch **Alpha**

The ideal punching machine to enter the world of punching, at an affordable price. It is the evolution of Tecnumerik in fact it has the same CNC functions as an automatic machine. The rotating head allow the orientation of any type of tool, as well as the use of multi-tools, drag tools for cutting, ribs, off-set, and tapping tool.

Semi-Automatic. The tool change of the machine is performed manually, while the punching operations can be managed in three modes: manual, semi-automatic and automatic (see page 15).



25 tons
of punching force

1
stations

10*
max. numbers of tools

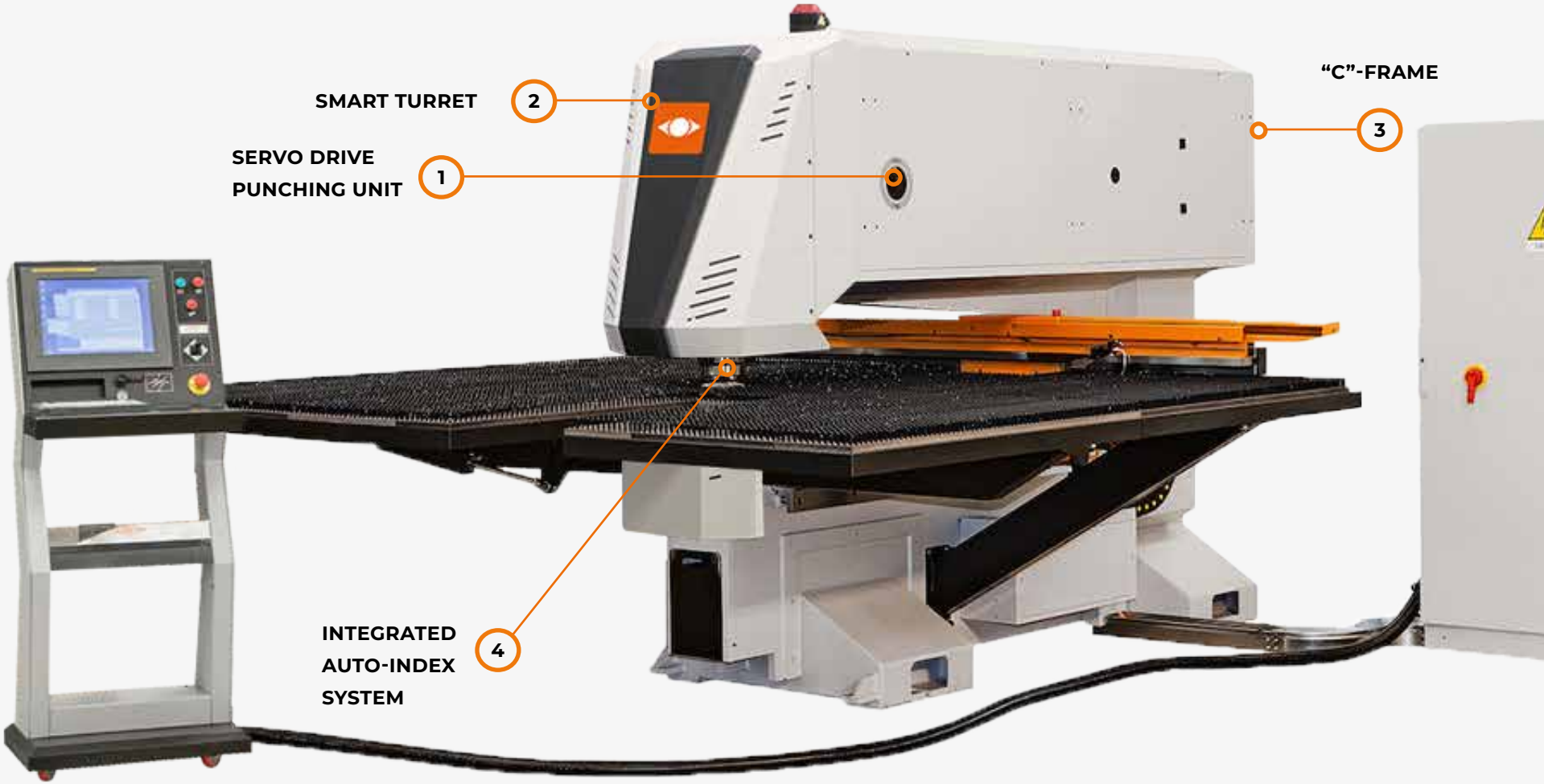
*Please refer to page 42 for more information on tool types

Technical specifications		TecnoPunch
	U.M	**Alpha 256**
Working Area	mm	1250 x 1500
Working Area with repositioning	mm	1250 x 3000
Max punching force	Ton	25
Max thickness	mm	6
Max metal sheet weight	Kg	150
Y-axis stroke	mm	-25 / +1270
X-axis stroke	mm	-40 / +1550
Simoultaneus speed	m/min	80
Max punching frequency	stroke/min	600 stroke/min step 1mm | 310 stroke/min step 25,4mm | 480 stroke/min step 20mm
Number of tool stations	n°	1
Number of auto-index tools	n°	1-10*
Time required for tool change with Multi-tool	sec	0,5
Station setup time (with Fast Change)	sec	12
Positioning accuracy	mm	+/- 0,05
Punching accurancy	rpm	+/- 0,1
Minimum possible C-axis rotation (auto-index)	°	0,01
Stand-by motor consumption	Kw	0,4
Power consumption during working phase	Kw	5
Dimension (height, lenght, width)	mm	2300 x 3900 x 3830
Weight	Kg	5200

* With the use of Multi-tool

TecnoPunch
Alpha Matic 5

The first step towards the punching machine with automatic tool change. This machine with its 5-station auto-index tool change and its extremely compact sizes, is the ideal choice for those who want to approach the world of automatic punching machines by choosing the maximum quality / investment ratio.



25 tons
of punching force

5
stations

50*
max. numbers of tools

*Please refer to page 42 for more information on tool types

Technical specifications		TecnoPunch
	U.M	**Alpha Matic 5 256**
Working Area	mm	1250 x 1500
Working Area with repositioning	mm	1250 x 3000
Max punching force	Ton	25
Max thickness	mm	6
Max metal sheet weight	Kg	150
Y-axis stroke	mm	-25 / +1270
X-axis stroke	mm	-40 / +1550
Simoultaneus speed	m/min	80
Max punching frequency	stoke/min	600 stroke/min step 1mm | 310 stroke/min step 25,4mm | 480 stroke/min step 20mm
Number of tool stations	n°	5
Number of auto-index tools	n°	5-50*
Tool change time	sec	3
Time required for tool change with Multi-tool	sec	0,5
Station setup time (with Fast Change)	sec	12
Positioning accuracy	mm	+/- 0,05
Punching accurancy	mm	+/- 0,1
Minimum possible C-axis rotation (auto-index)	°	0,01
Stand-by motor consumption	Kw	0,4
Power consumption during working phase	Kw	6
Dimension (height, lenght, width)	mm	2300 x 3900 x 3830
Weight	Kg	5400

* With the use of Multi-tool

TecnoPunch
Alpha Matic 15

Born from the union of the most advanced tool changer on the market with the extremely compact dimensions of the TP Alpha, the TP Alpha Matic 15 is the most compact and flexible automatic punching machine in the market configuration. This punching machine is suitable for all those who want an automatic punching machine with a wide standard and special tool configurations, but who need to contain space.

25 ton
of punching force

15
stations

150*
max. numbers of tools

*Please refer to page 42 for more information on tool types

Technical specifications		TecnoPunch
	U.M	**Alpha Matic 15 256**
Working Area	mm	1250 x 1500
Working Area with repositioning	mm	1250 x 3000
Max punching force	Ton	25
Max thickness	mm	6
Max metal sheet weight	Kg	150
Y-axis stroke	mm	-25 / +1270
X-axis stroke	mm	-40 / +1550
Simoultaneus speed	m/min	80
Max punching frequency	stoke/min	600 stroke/min step 1mm | 310 stroke/min step 25,4mm | 480 stroke/min step 20mm
Number of tool stations	n°	5
Number of auto-index tools	n°	15-150*
Tool change time	sec	3
Time required for tool change with Multi-tool	sec	0,5
Station setup time (with Fast Change)	sec	12
Positioning accuracy	mm	+/- 0,05
Punching accurancy	mm	+/- 0,1
Minimum possible C-axis rotation (auto-index)	°	0,01
Stand-by motor consumption	Kw	0,4
Power consumption during working phase	Kw	6
Dimension (height, lenght, width)	mm	2300 x 3900 x 3830
Weight	Kg	5600

* With the use of Multi-tool

TecnoPunch **Beta**

It is suitable for productions such as panelboards, security doors, ventilation systems and so on. It is the perfect trade-off between cutting-edge technology and affordable price. Automatic and compact, versatile and efficient with low energy consumption. Station set-up is carried out in just 12 seconds, while the tool change during program operation in just 3 seconds.

25 ton
of punching force

5
stations

50*
max. number of tools

*Please refer to page 42 for more information on tool types

Technical specifications		TecnoPunch	
	U.M	**Beta 258**	**Beta 268**
Working Area	mm	1250 x 2000	1500 x 2500
Working area by choosing X axis with increased length (optional)	mm	**Optional 1:** 1250 x **2250** **Optional 2:** 1250 x **2500**	
Working Area with repositioning	mm	1250 x 4000	1500 x 5000
Max punching force	Ton	25	
Max thickness	mm	6,5	
Max metal sheet weight	Kg	200	
Y-axis stroke	mm	-40 / +1270	-40 / +1550
X-axis stroke	mm	-40 / +2040	-40 / +2540
Simoultaneus speed	m/min	95	
Max punching frequency	stroke/min	800 stroke/min step 1mm | 310 stroke/min step 25,4mm | 480 stroke/min step 20mm	
Number of tool stations	n°	5	
Number of auto-index tools	n°	5-50*	
Tool change time	sec	2	
Time required for tool change with Multi-tool	sec	0,5	
Station setup time (with Fast Change)	sec	12	
Positioning accuracy	mm	+/- 0,05	
Punching accurancy	mm	+/- 0,1	
Minimum possible C-axis rotation (auto-index)	°	0,01	
Stand-by motor consumption	Kw	0,4	
Power consumption during working phase	Kw	6	
Dimension (height, lenght, width)	mm	2450 x 4690 x 4440	2450 x 4940 x 5440
Weight	Kg	10300	10900

TecnoPunch
Gamma

It is suitable for own productions and third-party account, providing an excellent performance/investment ratio.
The groundbreaking vertical turret, unique feature of TECHNOLOGY, is equipped with 15 rotating stations that allow considerable savings on machine setup times and tools purchase costs

25 ton
of punching force

15
stations

150*
max. number of tools

*Please refer to page 42 for more information on tool types

Technical specifications		TecnoPunch		
	U.M	**Gamma 2510**	**Gamma 2610**	**Gamma 2612**
Working Area	mm	1250 x 2500	1500 x 2500	1500 x 3000
Working Area with repositioning	mm	1250 x 5000	1500 x 5000	1500 x 6000
Max punching force	Ton		25	
Max thickness	mm		6,5	
Max metal sheet weight	Kg		200	
Y-axis stroke	mm	-40 / +1270	-25 / +1550	-40 / +1550
X-axis stroke	mm	-40 / +2540	-40 / +2540	-40 / +3040
Simoultaneus speed	m/min		95	
Max punching frequency	stroke/min	800 stroke/min step 1mm | 310 stroke/min step 25,4mm | 480 stroke/min step 20mm		
Number of tool stations	n°		15	
Number of auto-index tools	n°		15-150*	
Tool change time	sec		3	
Time required for tool change with Multi-tool	sec		0,5	
Station setup time (with Fast Change)	sec		12	
Positioning accuracy	mm		+/- 0,05	
Punching accurancy	mm		+/- 0,1	
Minimum possible C-axis rotation (auto-index)	°		0,01	
Stand-by motor consumption	Kw		0,4	
Power consumption during working phase	Kw		6	
Dimension (height, lenght, width)	mm	2450 x 4690 x 5440	2450 x 4940 x 5440	2450 x 4940 x 6440
Weight	Kg	10500	11000	11500

Automate the **sheet metal working** process

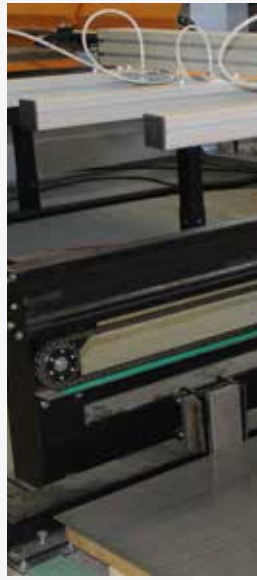
TECHNOLOGY offers various solutions to automate the punching machine production cycle: ranging from the simple sheet metal loading and unloading to the sorting of pieces (stacking workpieces on a pallet).

Why choose automation?

- **Unattended work cycles**
  It is possible to set work cycles even during night time, without the need of any operator.
- **Production time never changes from one time to another**
  The work cycles will always have the same duration.
- **Automatic sheet metal loading/unloading**
  Handling of large and heavy sheets metal without operator supervision.
- **Maximum safety at work**
  The fully automated production cycle prevents operators from suffering injuries.


TCP Plus 616


Max 3000 Kg



Our **automation** system

1. Automatic sheet metal loading and unloading

It allows automatizing the loading and unloading cycle of manufactured or micro-jointed sheets, without programming.

- Automatic sheet metal loading and unloading
- Compact system

---

2. Automatic sheet metal loading/unloading + Sorting

It allows to stack the finished workpieces on pallets (sorting) by programming the operations in a simple and intuitive way using the JetCam Cad/Cam software. Thanks to this feature, processing sheets with micro-junctions is avoided.

Besides, you can carry out normal sheet metal loading and unloading operations without the need for programming.

- Automatic sheet metal loading and unloading
- Stacking workpieces on pallets (sorting)
- Compact system

Customer **Experience**

There is only one way to enhance our mission: to give voice to our customers who are enthusiastic about their business experience with TECHNOLOGY.

TP ALPHA allows considerable flexibility in standard production and development of new products, as well as speeding up the production of modified products according to customer specific requirements and demands.

Stanislav Jurcik
Owner, HELIO, SPOL . S R.O.
(CZECH REPUBLIC)

Given the need to automate the production with a numerical control machine, among the various options I examined the best was Technology Italiana: quality and first class technology at the proper price.

Claudio Mus
Owner, OSCAM (ITALY)

Our current Technology punching machine is a true "working horse" that has never ceased to operate for seven years and allows to produce quality pieces with really low maintenance cost. When it will be necessary to replace the current machine or increase the production line, surely our next machine will be another Technology.

Predrag Marin
Owner, MARINEXPERT D.O.O. (CROATIA)

The strength, speed and precision of the machine combined with the soundness of Technology Italiana were the reasons that convinced us to choose them as our machinery suppliers.
We must also mention their unbeatable after-sales service that makes us even more convinced that we made the right choice.

Rudyard Cattan
Owner, INDUSTRIAS CATTAN
(PANAMA)

Where TECHNOLOGY Punching Machines are installed

1300

Installed Punching Machines

Algeria	Ecuador	Israel	Poland	Tunisia
Saudi Arabia	Estonia	Italy	Portugal	U.S.A
Austria	France	Lebanon	Czech Republic	Ukraine
Belgium	Germany	Libya	Romania	Hungary
Belarus	Greece	Macedonia	Russia	Venezuela
Bolivia	India	Mali	Slovakia	
Bosnia Herzegovina	England	Morocco	Slovenia	
China	Iran	Mexico	Spain	
Colombia	Iraq	Pakistan	South Africa	
Croatia	Island	Panama	Switzerland	

Tool **Holders**

Thanks to the tool holder system, inserting a tool on the machine becomes a simple and user-friendly operation. Since its creation, TECHNOLOGY has been using this type of system with the aim of rendering the use of punching machines more immediate and at the same time as customizable as possible.
In fact, the tool holders can be inserted in any station of our punching machines, without any constraint of size or type of tool.

In order to guarantee the highest possible availability of tools, TECHNOLOGY has chosen to set up its machines with Trumpf style tools, creating a new series of tool holders in partnership with Wilson Tool that allow the operator to use all Trumpf tools.

1. Standard tool holders
For housing standard tools with Ø 1.5 mm to
Ø 76.2 mm

1. Special tool holders
Holder for housing special tools, e.g. wheel tools, and forming tools.

3. Tool holders for tapping tool
Holder for tapping tool M2.5 to M10

4. Tool holders for Multi-tool
For the housing of:

- **5** stations Multi-tool (da Ø 1,5 a Ø da 16)
- **10** stations Multi-tool (da Ø 1,5 a Ø da 10,5)

TECHNOLOGY punching machines keep full compatibility with TECHNOLOGY-style toolholders.

Punch Holder

Punch

Stripper

Sheet metal

Die

Die Holder

Setting up a TECHNOLOGY punching machine is extremely simple

The tool holders consist of two elements:

- **Punch holder**:
  used to hold the punch and stripper.
- **Die holder:**
  used to contain the die.

Once the tool has been inserted inside the holder, it only takes a few seconds to place the tool holder on the machine, thanks to the **Speedy Setup** system..

Multi-tool. An immediate way to increase the number of tools

Multi-tool technology allows more tools (5 or 10) to be used in a single station and shortens tool change time to 0.5 seconds.

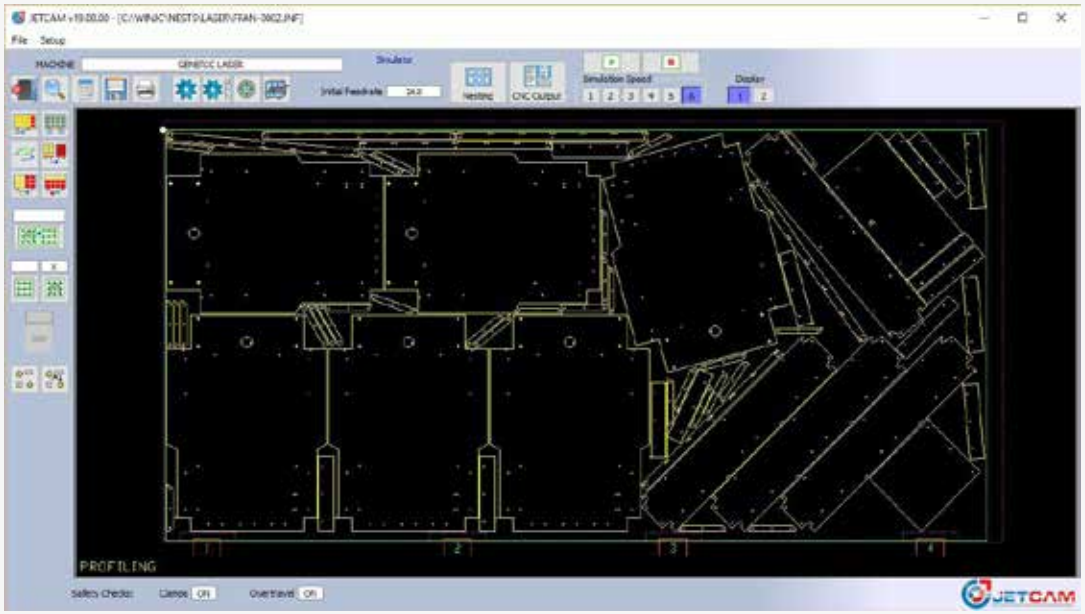
The tools contained in the Multi-tool can also use auto-index technology to rotate them from 0° to 360°.

CAD/CAM Software

Import

DXF DWG

We have chosen the CAD/CAM programming software JetCam Expert for our
machines because it has been created and designed specifically for punching machines.
It is a stable, intuitive and fast software able to offer advanced functions to program the punching machines and speed up production processes.
Its user-friendly interface is fully customizable,
and allows you to perform more advanced programming in simple ways.
JETCAM Expert is available in three versions with a series of additional units that give you the chance to create customized configurations.



Some features of the JetCam software

- DXF file viewer
- Integrated CAD for editing and exporting files
- CAD for importing drawings in .DXF format
- and .DWG
- Automatic nesting
- Automatic selection of the best tools for
- perform the processing
- Tool library management
- Possibility of interface with company management software -Enterprise Resource Planning (ERP)
- Management of complex machines (punching machines + automatic loading and unloading systems)

Choose how you want to program your punching machine.

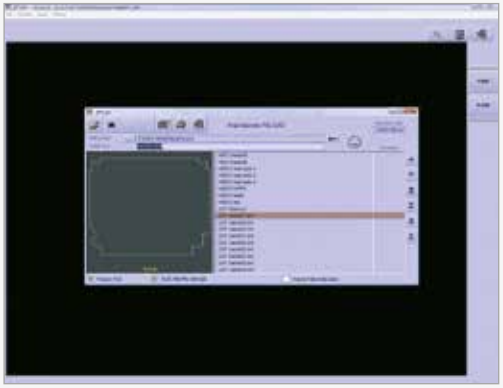
After a long collaboration of more than 20 years, TECHNOLOGY recommends using JetCam software to get the best out of your punching machines.

TECHNOLOGY punching machines, however, can also be programmed with the most popular CAD/CAM software like:

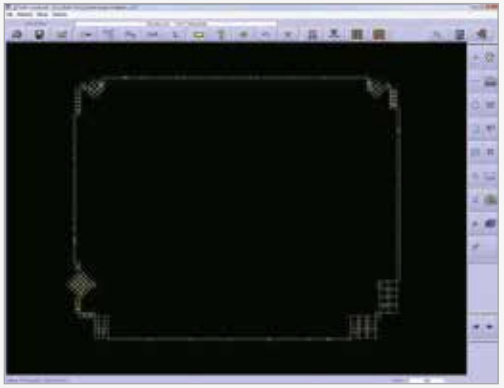
- Computes
- Axion
- Radan
- Metalix
- Lantek

Create programs.
Transfer them to the machine.
Everything in a few simple steps.

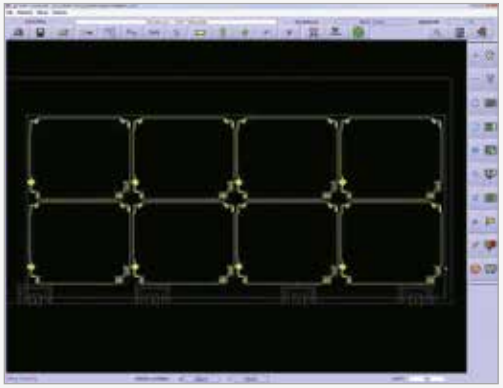
With the JetCam CAD/CAM software you can realize the programs for the punch press in a few steps directly from your computer.
After completing the programming you will have to perform one last step, which consists in transferring the data to the machine.This last step can be completed in a simple way using the wired network (LAN) or with a simple USB key to be inserted in one of the ports of the console.



Step 1
Importing DXF or DWG files.



Step 2
The software selects the most suitable tools from the libraries for performing the machining.



Step 3
The nesting is generated and then the CNC code to load into the machine is created.

A **global service** for punching

Choosing **The punching specialists** means relying on a single partner able to offer global and exclusive services for punching.

Specialized technicians always by your side

Our specialized technicians intervene in all the countries where we have installed TECHNOLOGY punching machines

We solve 75% of all downtime by remote assistance

With a simple Internet connection we can make a complete error diagnosis, reducing periods of downtime.

TECHNOLOGY FIRST service program

If you subscribe to the TECHNOLOGY First program you will have access to many advantages and discounts on all services. It is reserved to each customer possessing a TECHNOLOGY punching machine.

Other Services

- Retrofit of your TECHNOLOGY CNC Punching Machine
- Scheduled maintenance
- Original spare parts
- Online portal to sell your CNC punching machine

Punching
tools

TECHNOLOGY and TRUMPF-style tools make it possible to carry out several sheet metal working operations.
We offer a wide range of tools that can be purchased directly from our online shop.
Specialized consultants are at your disposal to help you choose the most suitable tool and to support you in the creation of special tools (e.g. Logos).

The **first online shop** where you can buy punching tools and spare parts

Buy tools for your CNC punching machine online at our TECHNOLOGY Shop.

- Buy when you want 24 hours a day
- Prices displayed online without registration
- Free shipping

shop.technologyitaliana.com

June 2023

TECHNOLOGY

The CNC Punching Machine Specialists

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