Euromac
meets
your ambitions

Euromac is a well-known worldwide supplier of machines for sheet metal working, such as CNC punching, bending and notching machines utilizing the most recent technologies and constantly refined by our design engineers to meet the most demanding market requirements for flexibility.

Euromac is a proud to be Italian company, with global presence in the sheet metal industry.

Euromac, established in 1986, designs, develops, produces and sells conventional and CNC fabricating machine tools. The vast experience of our design engineers combined with the knowledge of our customers renders Euromac both innovative and dynamic.

Euromac creates innovative products which are at the same time easy to use. We are accomplishing our objectives by utilizing the most recent technologies as well as constantly refining and adding to our designs and the results show it!

Euromac machines are tailored to meet demanding customers requirements; the combination of state-of-the-art technologies and unique concepts assure you advanced, productive and competitive products at all times.
With Euromac you get the maximum punching flexibility

C- Frame monoblock
Our machine frame is a normalized nodular cast iron monoblock in Meehanite® with 700N/mm², designed with FEM (Finite Element Method), punching head directly built into the monoblock frame. In practical terms this means a more robust (no welding points), precise and reliable structure being at the same time compact, hence using less floor space and allowing flexibility in loading different sheet sizes.

Tooling flexibility beyond conventional means
Choose the setup you need: from Single tool (A, B, C or D up to Ø 88.90 mm) to Multitool. Why talk about number of "stations"? What you need is the flexibility to easily and quickly setup your machine with the proper tools needed for your job. Euromac gives you this flexibility, we talk about number of "tools" (up to 66 total tools and 30 indexable, on MTX models).

FLEX Hybrid System
Which one is better Electrical or Hydraulic? Why don’t get the best of both systems? Our unique Hybrid System which we call Flex (2 patents pending) has the power of the hydraulics combined with the precision of the electronic control. Low power requirement of only 8.5 kw and averaging only 4.5 kw while punching. Besides being able to set the length of up and down stroke, the Flex System for each tool lets you set:

– Hit rate from 10 to 2000 Hits/min
– Acceleration/Deceleration of ram movement
– Dwell time

Thanks to the Flex System any Euromac owner now commands unlimited forming capabilities as well as the tools to process any application in a fast, reliable and cost efficient manner.

Innovative Autoindex system
The unique direct drive tool rotation in the Euromac autoindex stations reduces mechanical components and adds strength, resulting in increased reliability and reduced maintenance. This improves productivity while reducing cost (patented).

Multiindex: Index stations are capable of index (i.e. rotate) with both single tools or our XMTE 4, XMTE 6 and XMTE 10 Multitools.
Side Chute Door

Automatic chute door to unload finished parts up to 1200 (Y) x 900 (X) mm. Optional on all MTX FLEX 6, 12 models with 1250 Y axis.
The MTX FLEX 6 meets all needs for a high performance production machine while reducing your cost of ownership. Let’s look at the performances: capable of employing up to 60 tools, of which up to 30 can be rotated 360°, in one single setup, the 6 full sized D stations provide far more than most jobs need. Combined with the automatic positioning clamps (patented and standard on ZX, MBX, MTX 6 and 12 models) its making job changeover easier. Set up for multiple jobs or have additional multitools already configured sitting on the sideline for the next job while the machine is working. The flexibility of the unique MTX Turret System allows you to choose the right setup for any task, simply and quickly. This increases productivity and, in combination with the low cost of ownership, maximizes your profit. The MTX FLEX 6, is the right machine for you if you want to increase part output but still need full flexibility for smaller runs without spending more hours on the job. Combine it with our automatic loading and unloading system and get unattended productivity on top of everything else.
Chute door

Unload finished parts from 80x80 mm to 350x350 mm with standard part through detection sensor. Available on MTX Flex 6, 12 and ZX FLEX models.

Upforming System

The 6 B stations of the MTX FLEX 12 turret feature retractable dies for more forming flexibility. Standard thick turret-locating forming tools usually have an “active” die. These dies protrude a few millimeters over the normal height of a standard punch die, requiring special attention to setup and programming. All additional 6 B-Stations of the MTX FLEX 12 can be raised up to 6 mm only when the tool is actually employed and lowered when it is passive eliminating any restriction.
If the MTX Flex 6 delivers outstanding performances the MTX Flex 12 goes beyond. The MTX Flex 12 has all the flexibilities and options of the MTX FLEX 6 models: the automatic positioning clamps (patented and standard on ZX, MBX, MTX 6 and 12 models), the easy sheet load balls, a flexible turret system quick and easy to setup and able to adapt to any job and of course the unique FLEX Hybrid technology. The MTX FLEX 12 goes beyond and meets the most demanding tasks of modern punching becoming a real forming specialist. In addition to the 6 D type (up to Ø 88.9 mm) of the MTX Flex 6 turret, the MTX Flex 12 has 6 B type (up to Ø 31.7 mm) with active die capacity. All completely combined in a compact turret (less than Ø 600 mm) with 27 mm turret gap, hence allowing full forming versatility. The 6 B-sized stations increase capacity but more importantly they feature retractable dies which allow even more forming capabilities. See the up-forming description on the side page.

Thanks to the extra reach of the B stations, the MTX FLEX 12 becomes the perfect companion for the trap door option, giving you the maximum versatility in off-loading your finished parts.
Not Just a Single Station, call it a Miniturret

With the 360° bidirectional rotation of either standard single thick turret tools (from A to D size – max Ø 88.9 mm) or any multitool (XMTE 4, XMTE 6, XMTE 10) and of any tool within the multitools. Up to 10 indexable tools in one setup and if the job requires more, a tool change needs only 45 sec of the operator’s time.
Do you really need a large turret system to be productive? Buying the “right” machine to perform a task is critical for success. Would you buy a tank if you need to deliver flowers? Do you need 40 tools to produce cabinets? We believe that with up to 10 indexable tools in one setup your creativity can be unleashed.

With its outstanding performances of 1000 Hits/min (1 mm step), the ZX offers full production capacity as well as full flexibility thanks to the Flex Hybrid System (described in page 5).
Punching machines product range

All Euromac machines comply with the most recent CE regulations.

Automatic loading/unloading system

Patent pending

Flexibility and productivity merge in “one”

Featuring a Unique, Compact and Robust design the Euromac Automatic Load/Unload System fits on all Euromac machines and it can be shipped fully assembled so that the installation at the customer site is made fast and easy.

Material Handling

As for all Euromac products, Flexibility is the keyword, one machine can handle a variety of formats. From minimum to maximum, all in-between sizes can be accommodated.

Max. dimensions (mm) 3000 x 1500
Min. dimensions (mm) 500 x 200
Thickness (mm) 0.5-6
Sheet Weight (kg) up to 200

Avoidance of double sheet loading

Magnetic blocks YES
Shaker system YES
Air blow YES
Automatic measurement of sheet thickness YES
Separation brushess for non-magnetic materials YES

Loading

max. load (kg) 3000
max. height (mm) 300
adjustable suction cup pattern YES

Unloading

max. load (kg) 3000
max. height (mm) 400

Manual loading is still possible in order to quickly process small parts or lots.

Pallet station

Easy loading and unloading of material and produced parts combines with a great capacity to boost up your productivity.

Low Space Requirements

MTX FLEX 1250/30-2500 + load/unload system is only L 6270 mm x W 5030 mm

Productivity is not only rated with the throughput of the machine, but other variables also come into play: operation and programming can sometimes be critical. Not with Euromac, thanks to the common console for programming, the MTX FLEX and the Euromac automatic loading and unloading system, operation is made fast and simple.
### Technical Data

#### BX

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1300: 1000 / 1250
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

#### BX Autoindex

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1300: 1000 / 1250
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

#### BX Autoindex Hybrid

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1300: 1000 / 1250
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

#### ZK

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1000: 1000 / 1250 / 1500
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

#### ZK Flex Hybrid

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1000: 1000 / 1250 / 1500
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

#### MBX

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1000: 1000 / 1250 / 1500
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

#### Mtx Flex

- **Max. Punching Force (kN):** 300, 300, 220
- **Y Axis with Multitool/Monopunch (mm):**
  - Y = 1000: 1000 / 1250 / 1500
- **Maximum Number of Strokes per Minute:** 1500
- **Maximum Weight at Reduced Axis Speed (kg):** 150

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*For sheets of over 50 kg weight combined brush and ball tables are required.*
TopPunch® is the special Euromac designed control software that runs on the machine.
Euromac has put a lot of effort in the console design to allow a simple, intuitive, yet productive programming of the machine. TopPunch® is the special Euromac designed control software that runs on the machine. The TopPunch® features:
- An easy to use and learn, intuitive interface allows to produce parts in seconds
- Total control on your punch list allowing you to program for each tool: stroke, speed, acceleration and dwell time. Automatic compensation for material thickness. Programmable warnings for the operator when grinding is needed.
- Graphically manage your turret setup and automatic check for consistency between the tools in the provided program and the actual configuration.
- Multitasking: program, test, simulate the next part while the machine is running
- Customize operation according to the material; you can program specific operations to be done on specific materials: different amount of lubrication, axis acceleration, suggested die clearance
- Batch manager: it is not only possible but also easy to create a job queue to have your whole production for the day, week and beyond completely managed.

Console
The Euromac console for all machines is equipped with a UPS for electrical back-up avoiding data loss in case of a power failure. TopPunch® also allows you to recover a program from any point in case of breakdown or electrical blackout. An additional installation of the control software TopPunch® can be installed on any PC or Laptop allowing you not only to program simultaneously but also to eventually backup the console and run the machine with a standard PC in case of failure. Teleservice and diagnostic: all you need to do is to connect the console to the Internet, and thanks to a customized software Euromac will safely and remotely connect to your console to update, diagnose, check or take full control.

Off-line programming
Customer generated DXF (or most common CAD formats) can be converted into Euromac CNC code by external CAD-CAM packages, readily available from many specialized vendors or through our dealer network.

Languages
TopPunch® is available in the following languages:
Chinese, Czech, German, Greek, English, Spanish, Persian, Swedish, French, Hungarian, Italian, Korean, Lithuanian, Dutch, Polish, Romanian, Russian, Slovenian, Thai, Turkish and others.

Definitely one of the unique features of the Euromac punch presses is the flexibility of the tool system.

All machines accept in their D stations either a single thick turret tool (type A, B, C and D – max Ø 88.9 mm) or a Euromac Multitool XMTE 4, XMTE 6 or XMTE 10. All Euromac Multitools can nibble or punch up to a 200 KN capacity. Euromac multitools are unique and protected by several patents. Tool setup is fast and simple, thanks to the unique design. The punch is fully guided in addition, the hammer does not generate any side load. The stripping force can be adjusted easily by changing or removing the top springs. This allows you to punch both thick and thin materials, as well as very soft materials (patented). Anti-marking system (optional), to avoid marking on soft or delicate materials. All multitool tools are also available in adjustable length punch type which improves grinding life, up to three times (8mm grind life when using 1mm thick material), and optimizes your ram stroke by simply rotating the punch head.

Thick Turret Tools
A - B - C - D sizes and all forming tools.
Euromac also manufactures a line of horizontal bending (Digibend) machines and notching machines. For more information please visit www.euromac.com or contact your local Euromac representative.

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