



accord 10 fx

CNC machining centre



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CNC machining centre

Machining centre designed to perform in a simple and fast processing that require heavy duty stock removal with high precision and top quality finish. The ideal solution for the craftsman who wants to produce flexibly door and window frames, doors, stairs and solid wood elements in general.

- **TOTAL FREEDOM OF USE**

Machining units up to 5 interpolating axes powerful and reliable for any use, even those of heavy duty.

- **TOP QUALITY FINISH**

Structure and components designed to get most precision in all machining.

- **MAXIMUM PRODUCTIVITY AND SAFETY**

Safety systems designed to exploit the maximum production capacity of the machine without limits on movement.





-  cutting.
-  planing.
-  **routing.**
-  sanding.

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technological advantages



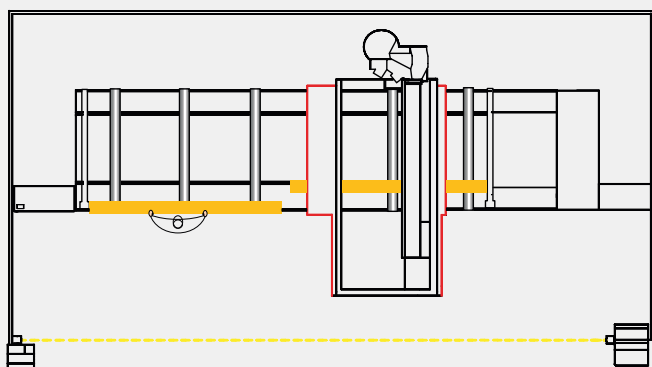
COMPLETE 5-AXIS MACHINING UNIT

for any production requirement. Allows to perform all types of machining, from power routing with 5 interpolating axes to blade cuts and boring.



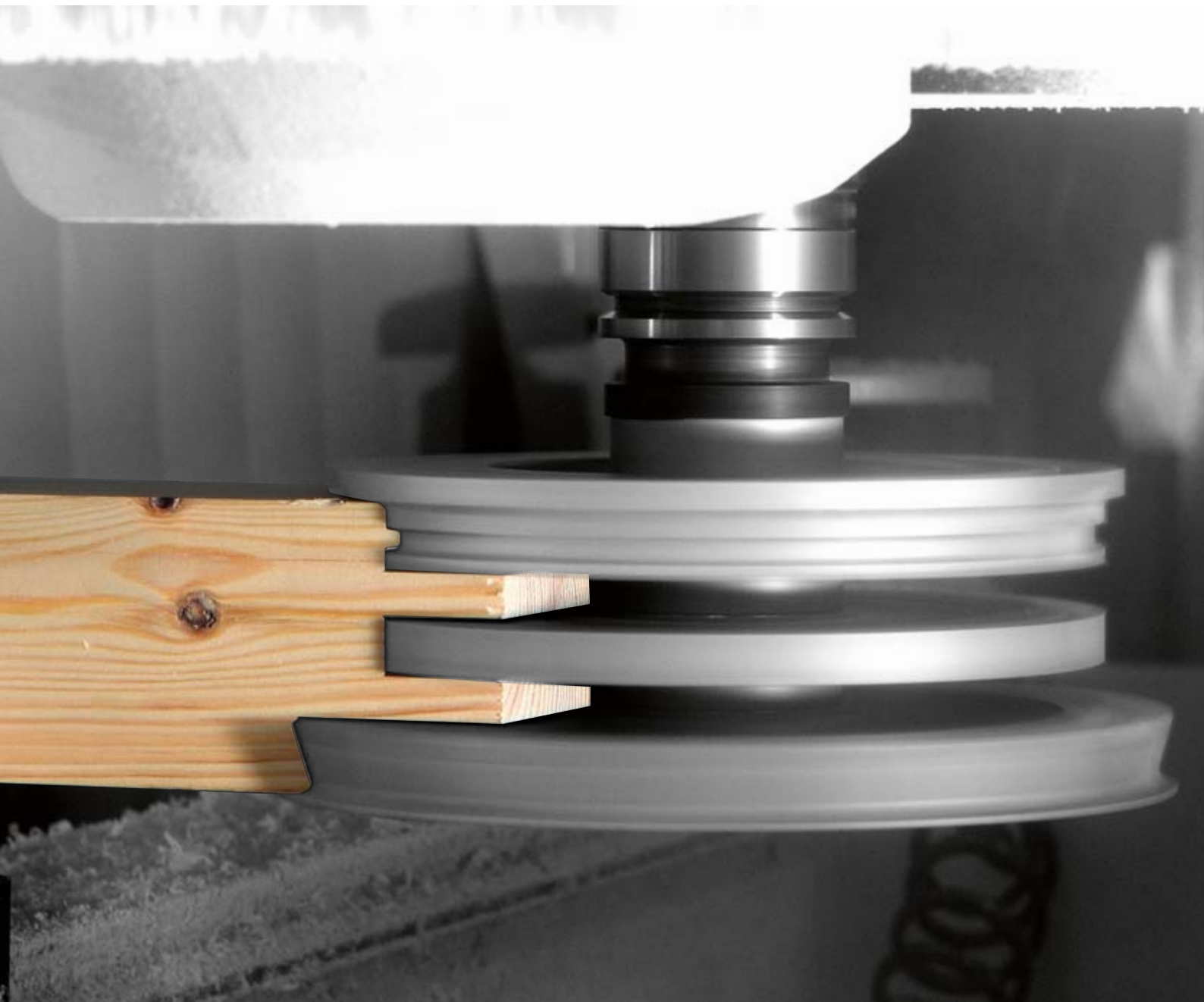
WORKTABLES OF EASY MANAGEMENT

in few seconds positioning simple and precise for holding down with safety elements of any shape.



SAFETY SYSTEMS WITH NO FLOOR SENSOR

allowing easier loading of parts and exploiting the maximum length of the table for pendulum machining operations.



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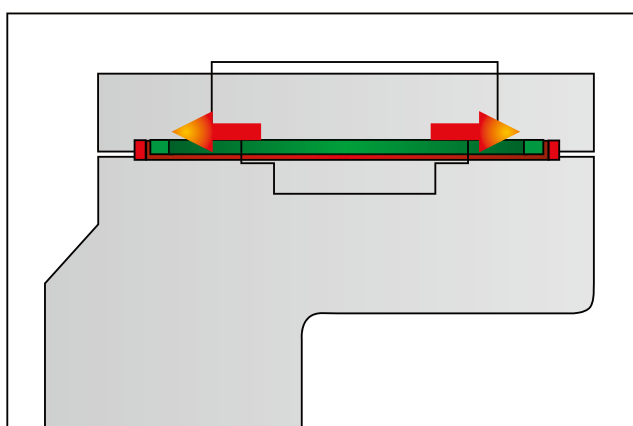
machining head



Compact and powerful, the Prisma unit allows to perform any type of routing and to use even large tools for machining operations that require heavy removal typical for door and window frames.



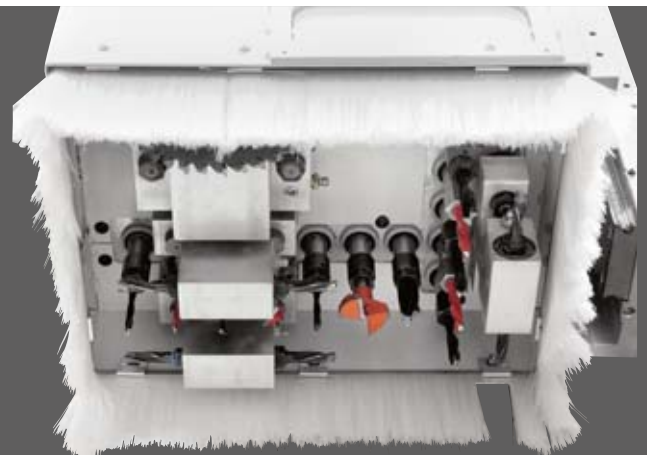
Thanks to its particular geometrical configuration and to its small dimensions the Prisma head allows to work on horizontal axis without the need to raise the piece.



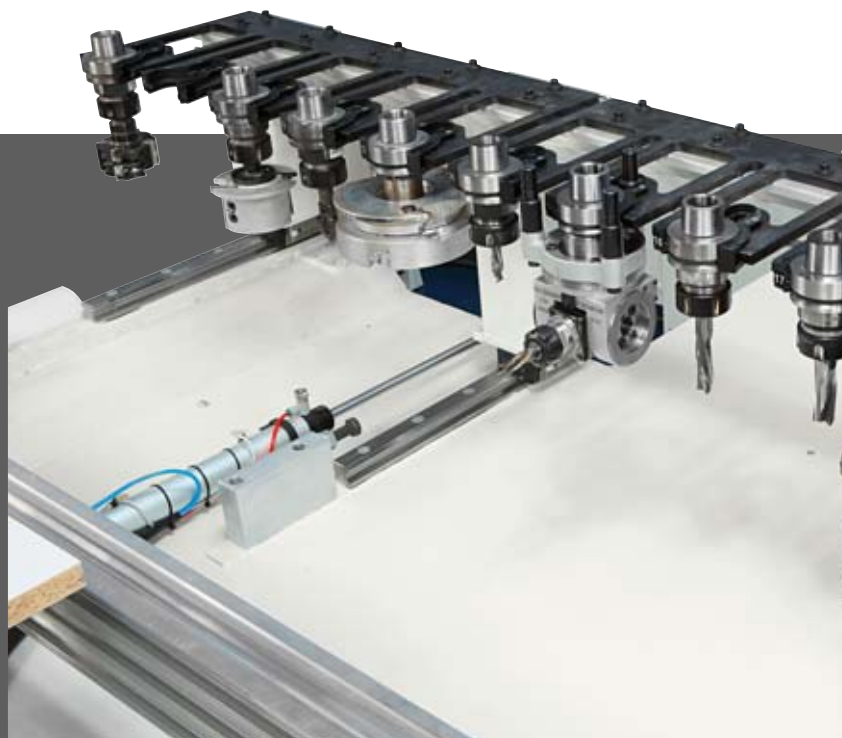
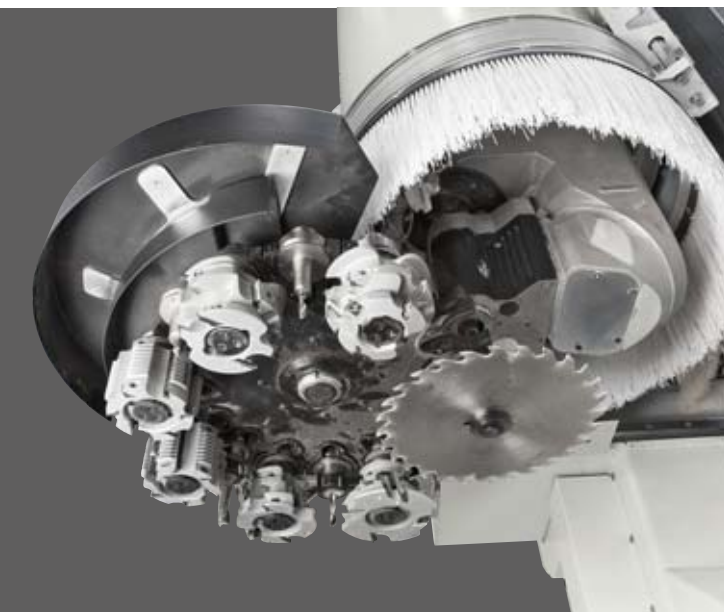
TTS (Total Torque System): SCM's exclusive system that provides the 5-axis Prisma unit with the same stiffness found on 3-axis units.



Possibility of working with blades oriented in any direction.



F18: boring unit with 18 independent spindles for every need of boring and integrated blade.



Tool magazine Rapid 16 fixed to the mobile portal to have always on board all the necessary tools.

TR-10 side tool magazine to have available the maximum of the tools.

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worktables



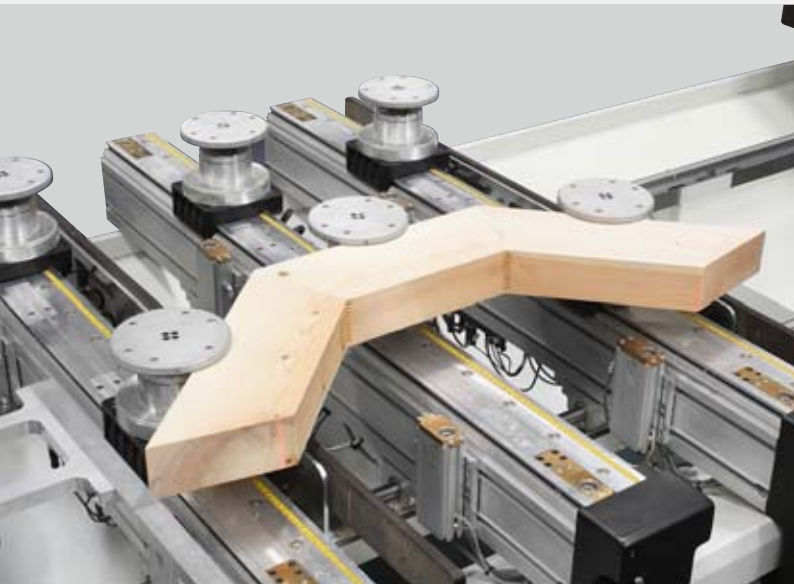
The worktable has a wide range of accessories for maximum freedom of use and maximum holding of workpiece.



Thanks to the quick coupling system for adding and removing clamps and vacuum cups with the utmost practicality.



In the "Pilot" version the positioning is guided and controlled by the workpiece program. Magnetic sensors detecting the correct position of all components, eliminating the risk of collision.



Pneumatic clamps to fix all the elements of a frame to be processed both pre-finish and square machining.



Vacuum cups to hold down pieces of any shape, from the element of solid wood or panel door to those of scale.



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Mobile console Tecpad display with 7" color touch-screen to always have at hand the management of the machine.

Sav€nergy high performance and energy saving

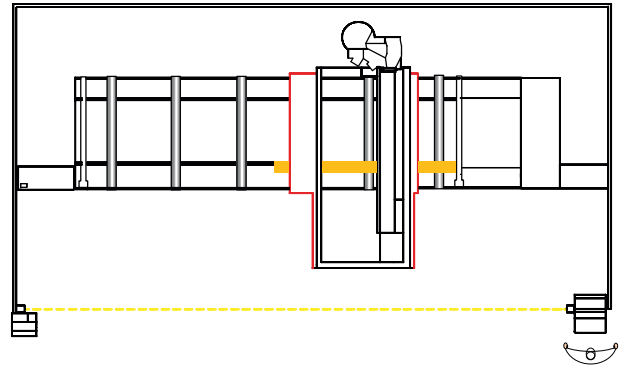
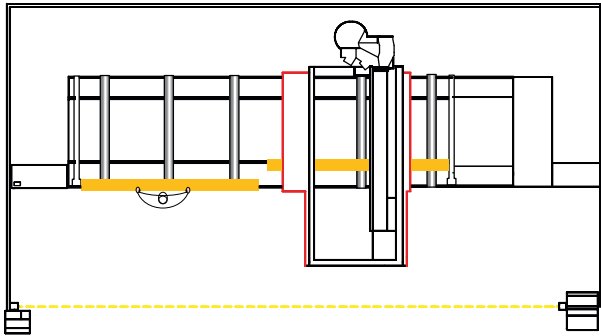
Sav€nergy

- Optimum feed speed depending on the material and tool
- Optimisation of compressed air consumption
- Optimisation of vacuum pump speed of rotation, depending on the vacuum required
- Electrospindle heat exchanger management, depending on the operating temperature
- Automatic switch to stand-by for motors not being used for machining, manual or NC
- Opening of the exhaust outlets related to the machining in progress.

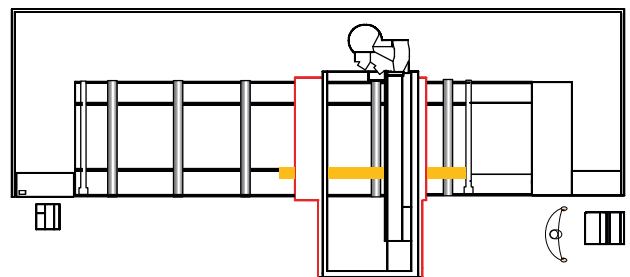
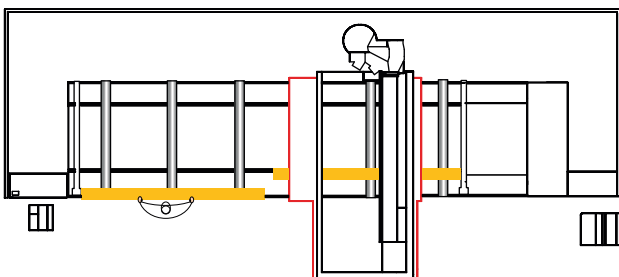


SAV€NERGY

“Pro Speed” and “Pro Space ” safety systems



“Pro Speed” : allows to use the machine at the maximum feed speed of 70 m /min when the operator is located outside the loading area and at a feed speed up to 25 m/min when the operator is located inside the loading area.



“Pro Space”: the loading area is completely free to minimize the space occupied. It allows to use the machine at a feed speed up to 25 m/min.

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xilog maestro **software** and proview **simulator**

XILOG MAESTRO

Xilog Maestro is the new CAD/CAM powerful and user-friendly system dedicated to **SCM** machining centres.

Developed in the Windows® environment, it includes all the features and performance that allow easy, intuitive and effective programming even for people unfamiliar with Personal Computers or those using a machining centre for the first time.

- 3D graphics editor for workpiece, geometries, machining and worktables
- CAD mode geometries drawing functions
- Programming machining operations on angled faces
- Import DXF files: all formats with layer and geometries recognition
- Import Xilog Plus XXL and PGM files
- Macro writing via editor or scripting
- Additional software modules (optional) for door and window frames
- Production times calculation
- Teleservice



PROVIEW

The **Proview** simulation software allows an accurate simulation of the programs to be run in the machine for:

- collision checks
- cycle time and productivity checks
- machining operation type and position checks

The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms.

SIN&ERT

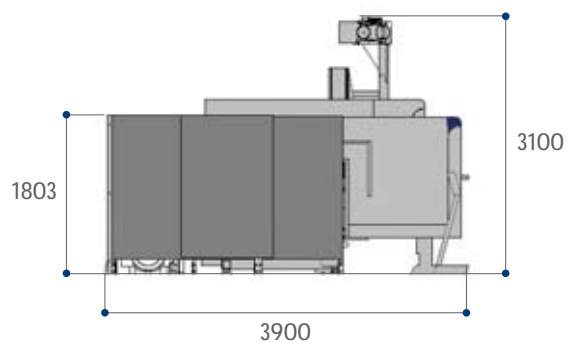
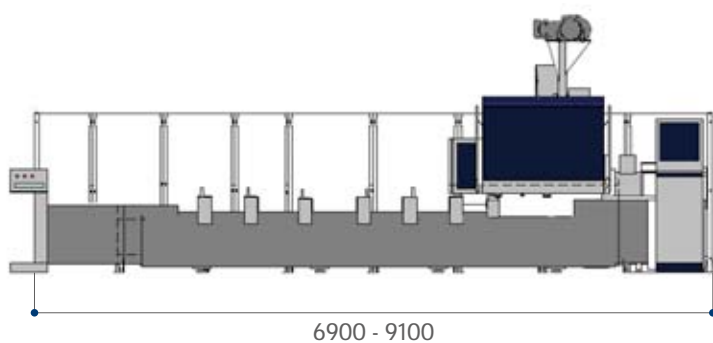


REG. N. 0918
UNI EN ISO 9001:2001

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technical data

CNC MACHINING CENTRE		
Bars worktable		
Machining area X	mm	3050 – 5200
Machining area Y	mm	1380
Workpiece passage	mm	170
Axes		
Vectorial speed X-Y axes	m/min	85
Electrospindle		
5-axis electrospindle power	kW	11
Max. rotation	RpM	18.000
Rear tool magazine	n° pos.	16
Side tool magazine	n° pos.	10
Boring head		
Independent spindles	n°	18
Power	kW	3
Rotation	RpM	2.000 - 6.000
Installation		
Suction opening diameter	mm	1 x 250
Suction air speed	m/sec	25
Suction air consumption	m ³ /h	4400
Compressed air consumption	NI/min	170
Machine weight	Kg	3.800 - 4.300



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 **scm tecmatic**

 **scm**

 **routech**

 **celaschi**

 **dmc**

 **superfici**

 **sergiani**

 **gabbiani**

 **morbidelli**

 **mahros**

 **stefani**

 **cpc**

 **sag**

 **scmgroup**
engineering

 **delmac**
engineering

 **scmfonderie**

 **steelmec**

 **hiteco**

 **es**

 **csr**

 **CMS Cms**
wood technology

 **CMS Cms**
advanced materials technology

 **CMS Brembana**
stone technology

 **CMS Brembana**
glass technology

 **CMS CmsPlast**
plastic technology

 **CMS Tecnocut**
waterjet technology

 **CMS Balestrini**

| **1**
large integrated
group
/

| **18**
production sites
/

| **29**
specialist brands
/

| **21**
foreign branches
/

| more than **50**
years in business
/

| **70%**
exported
/

| **350**
agents and
distributors
/

| **365**
registered patents
/

| **500**
engineers
/

| **3.000**
square metres
of showroom
/

| **10.000**
classical and
professional
machines
manufactured
per year
/

| **240.000**
square metres
of production
space
/



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