

MACHINING CENTERS

ITA
LM
AC

Our experience makes the difference

ITALMAC® was founded in 2005. Commitment and determination have allowed the company to achieve important goals over the years, thus becoming a worldwide reference point for the construction of numerically controlled machining centers. The skills and knowledge acquired, as well as continuous research, are the reasons for our success. The Italian branch of Minerbe is the beating heart of the company, where design and assembly find in the synergy of its staff the ideal combination for the creation of great solutions.

The solutions we offer arise from many years of experience in the industry, thus placing us among the leading manufacturers of numerical control machines. We strongly believe in direct collaboration with our customers and for this reason every request is carefully analyzed.

Ideas may take shape with Italmac, thanks to our innovative software and to a team of specialists who designs and manufactures the final product. The monitoring of raw materials and careful planning make Italmac an ideal commercial partner, able to offer guaranteed results from our highly customized products.



Anywhere,
with the
right solution

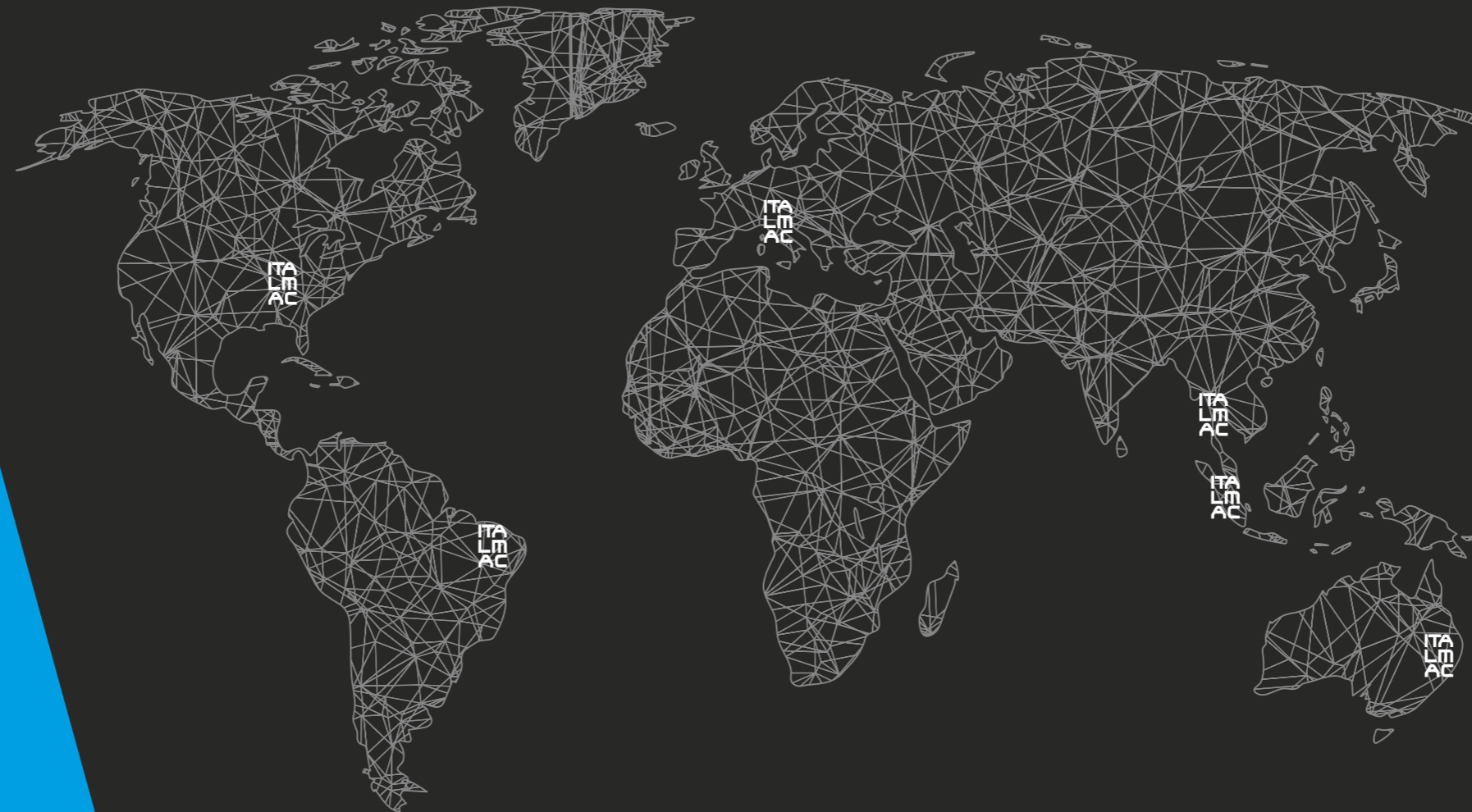
■ ITALY

**(Headquarter
and Production Building)**

Viale dell'Agricoltura, 79
37046 Minerbe
Verona (ITALY)
Voice: +39 045 7000123
Fax: +39 0457000571
sales@italmac.it
www.italmac.it

Training center & showroom

Viale del Lavoro, 1
37055 Ronco all'Adige



ITALMAC IN THE WORLD

■ ITALMAC USA INC

Italmac USA inc.
6 W. Franklin St
Bellbrook
Ohio 45305
www.italmac-usa.com
news@italmac-usa.com

■ ITALMAC ASIA

Megan Phoenix, KM 10
Off Jalan Cheras
56000 Kuala Lumpur,
Malaysia
sales@italmac.it

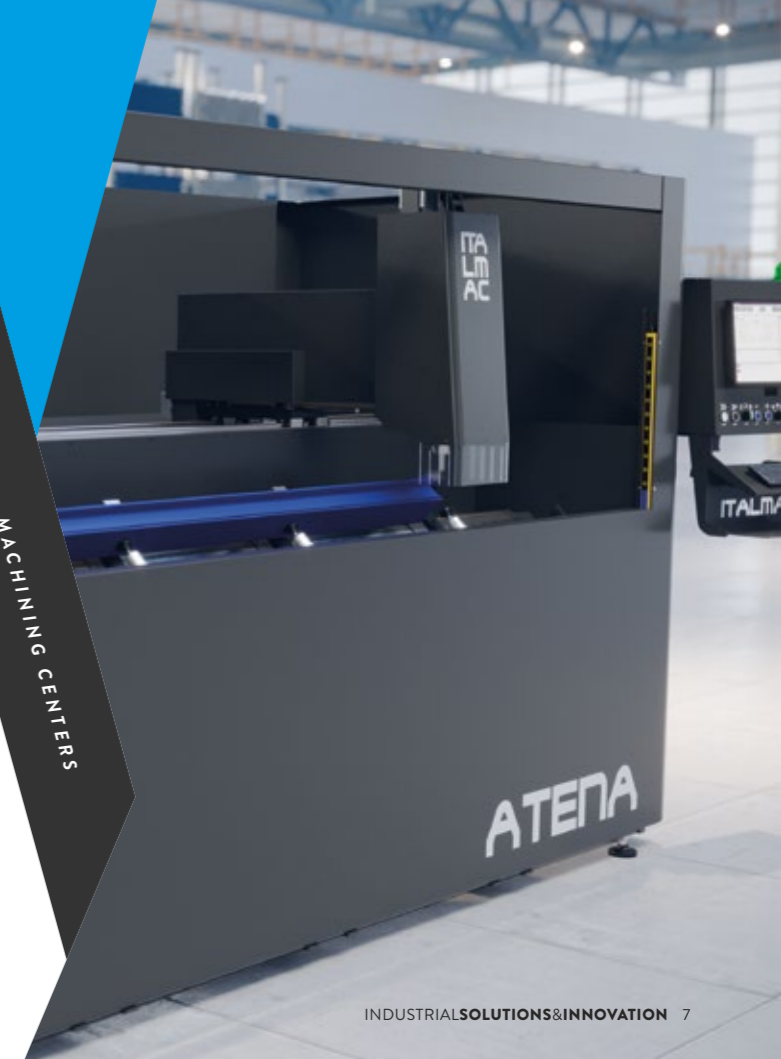


ATENA

3+1 AXIS CNC

ATENA perfectly sums up all the capabilities that a machining center for the door and window industry should have. This machine is equipped with a rotating table and 4 sturdy clamps for handling steel, aluminum and PVC profiles. Created to meet the needs of the window and door industry, with a work unit of 130 x 130 mm that allows to manage profiles up to 6 meters, it has an electrically operated beam with a rotation range from +90° to -90°. The central 5-position tool changer contains both disc cutters and tools. This machine is suitable for all production needs thanks to its complete tool assembly. Its interface is easy and intuitive and comes equipped with an Opera company software. A length of only 4 meters together with an ergonomic cabin that allows easy loading / unloading of the profiles are just some of the features that make **ATENA** a perfect tool for the window maker willing to make his work easier and more productive.

MACHINING CENTERS












ATENA

3+1 AXIS CNC

STRENGTHS

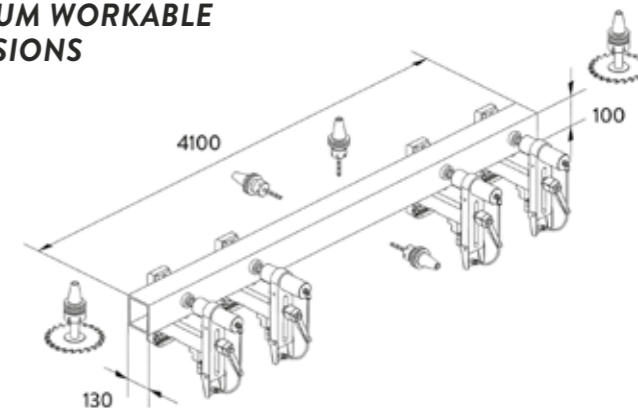
- Load section of 130 x 130 mm.
- Equipped with a 4 kW electrospindle with automatic quick change.
- Designed to work profiles up to 6 meters.
- Easy and intuitive software interface.



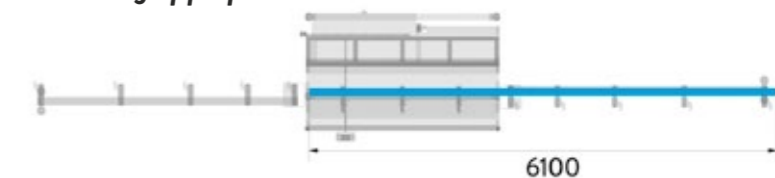
MODEL	4.0
 4,500 x 1,450 x 2,000 mm	
 Kg 1,200 kg	
 4 kW	
N. references of zero 1	
 4	
 5 position tool holder	
 X 4,253 mm	
 Y 340 mm	
 Z 255 mm	
 X 40 m/min Y 20 m/min Z 20 m/min	

TECHNICAL DATA

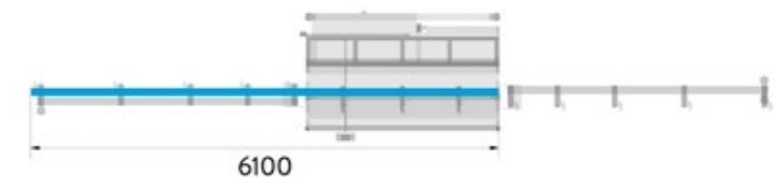
MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



Right profile



Left profile



ARES

3 AXIS CNC

Versatile and complete 3-axis CNC. It has a large 8-position magazine, with the possibility of being equipped with 2 additional positions for containing even large cutters.

ARES is full optional, equipped with cabin, tool changer, automatic pliers and standard tools.

The ergonomic control panel requires little space, like the entire machine which in just 6 m² allows you to carry out even complex processes. **ARES**, thanks to its special flange, allows the insertion of adjustable angular heads for lateral processing and, again on request, it can also be modified for the frontal processing of profiles.

These peculiarities make **ARES** a versatile machine and a safe choice for those who need a highly productive but at the same time easy to use center.



MACHINING CENTERS










ARES

3 AXIS CNC

STRENGTHS

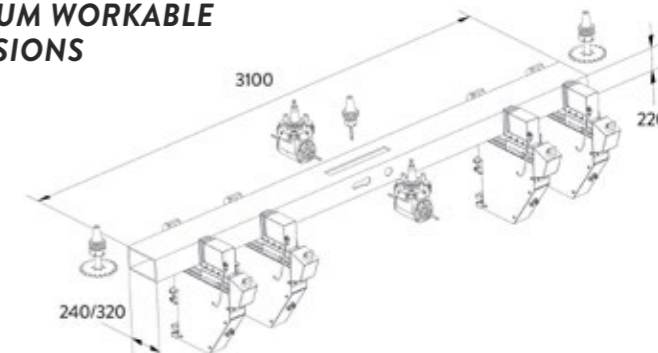
- In just 6 m², it produces complex profiles and processes.
- Side and front processing of profiles. Optional 2-station extra magazine for large cutters.
- Easy-to-use software to speed up processing.
- Cabin, tool change, automatic clamps and standard tools already included.



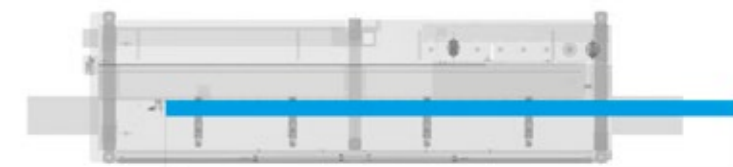
MODEL	3.0
 4,600 x 1,675 x 2,260 mm	
 1,800 kg	
 4 kW	
N. references of zero	2 manuals
 4	
 8 positions tool holder	
 3,450 mm	
 600 mm	
 265 mm	
 X 60 m/min Y 60 m/min Z 15 m/min	

TECHNICAL DATA

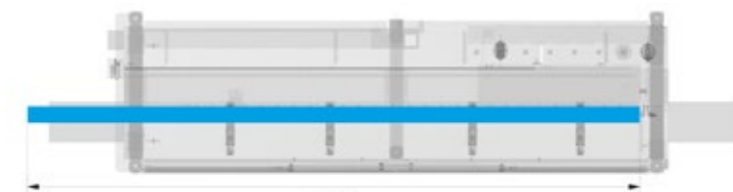
MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



Extra long right profile



Extra long left profile



ERMES

4 AXIS CNC

ERMES is an industrial machine designed for multiple production processes, which can accurately respond to different fields. It is a unique, reliable and profitable product, designed to improve the work situation of those who use it. Equipped with 6 automatic clamps and a high power electro-spindle which, thanks to its 4th rotating axis, can work the profile at any angle between -90° and $+90^{\circ}$. With its power of 5 kW and 24,000 rev/min, **ERMES** allows to easily manage all production requirements. The ergonomic control panel is compact, like the whole machine which offers the operator easy access for loading/unloading the piece. The equipment is completed by an 8-position tool change. The entire machine is managed by CNC, through the ITALCAM CAD/CAM, a complete and flexible software that guarantees geometric programming, 3D visualizations, clamps optimization, STEP import, parametric programming, work list from external management import and much more.

MACHINING CENTERS












ERMES

4 AXIS CNC

STRENGTHS

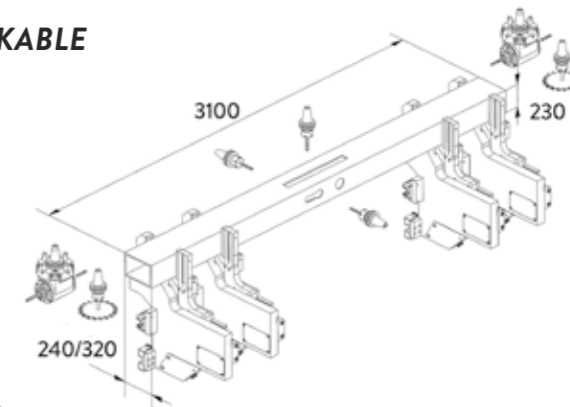
- Compact and sturdy center.
- Equipped with 6 fully automatic clamps.
- Innovative super compact 24,000 rpm HSK F50 spindle.
- 4 interpolated axes that allow you to work at any angle.



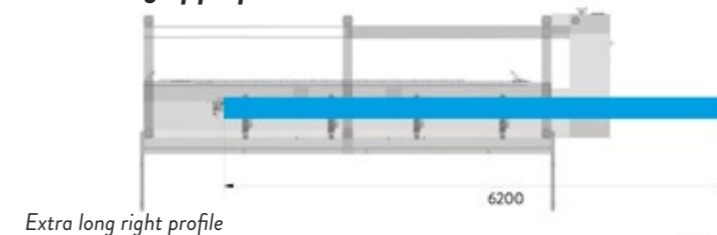
MODEL	4.0
 4,600 x 1,675 x 2,260 mm	
 1,800 kg	
 5 kW - HSKF50	
N. references of zero	2 manuals
 6	
 8 positions tool holder	
 3,450 mm	
 600 mm	
 265 mm	
	X 80 m/min Y 60 m/min Z 30 m/min

TECHNICAL DATA

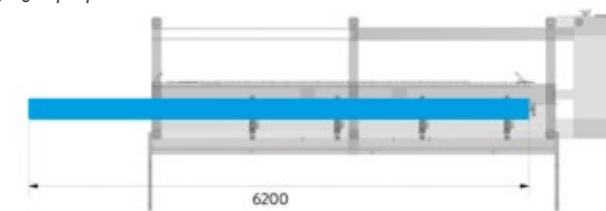
MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



Extra long right profile



Extra long left profile



KRONOS

4 AXIS CNC

Industrial machinery designed for multiple manufacturing processes, able to carefully respond to different fields. For this reason, different versions have been created, supplied together with cabin, equipped with soundproofing or suction systems.

Available versions of 11, 9, 7 and 4 meters and for those who do not have much space we can supply the compact version of only 3 meters.

The top-of-the-range version is equipped with a 450 mm circular blade for cutting and end milling different types of profiles, an exclusive solution created by Italmac.

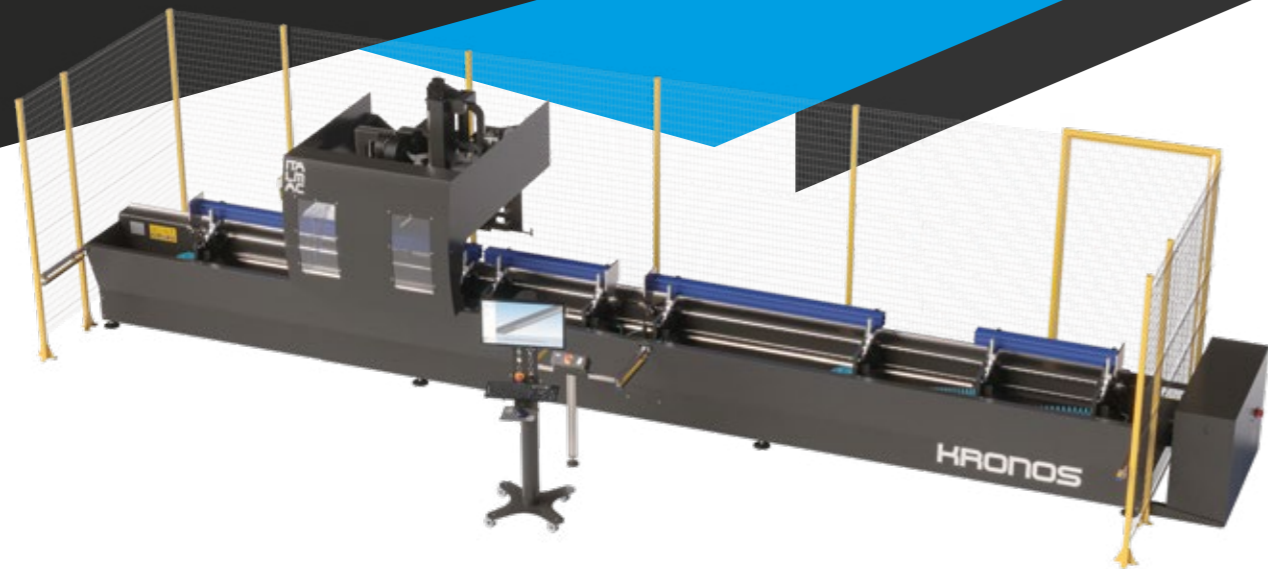
Suitable for processing any type of material: **KRONOS**, thanks to its simple and intuitive elements, allows you to easily manage any production need.

MACHINING CENTERS



KRONOS

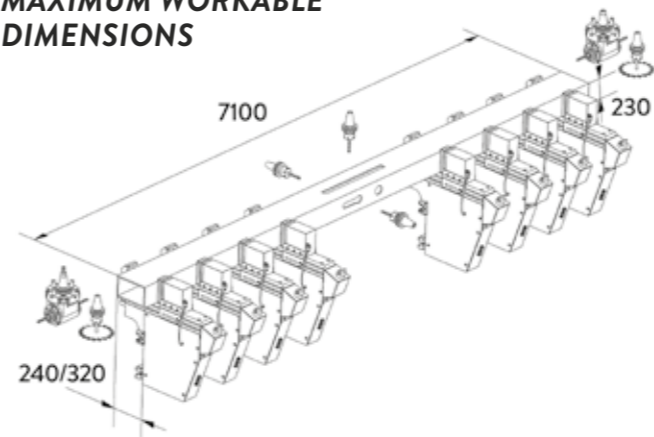
4 AXIS CNC



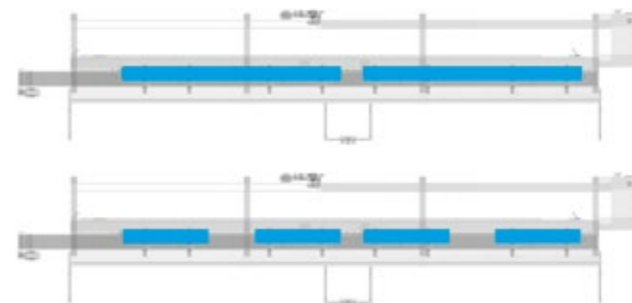
STRENGTHS

- Load section of 320 x 230 mm, 8 positions, disc cutters, taps and bevel drives.
- State-of-the-art 3D program ideal for the window sector.
- 450 mm circular blade and 3 kW motor that allows you to cut and end milling all kind of profiles.
- Available in a sound-absorbing cabin version with suction system.











MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



TECHNICAL DATA

MODEL	4.0	7.0
	4,900 x 2,000 x 2,200 mm	8,900 x 2,000 x 2,200 mm
	2,400 kg	3,400 kg
	6.6 kW	
N. references of zero	2 pneumatic	4 pneumatic
	6	8
	8 positions tool holder fixed on the carriage	
	4,200 mm	7,200 mm
	985 mm	
	490 mm	
	X 80 m/min · Y 60 m/min Z 30 m/min	
	From -90° to +90°	



ULISSE

3-4 AXIS CNC

ULISSE is the ideal machine for an industrial sector with increasing demands. 4-axis CNC includes a large operating area, the largest available in this sector, with a dimension of 700 x 300 mm. Available in the standard versions of 4, 7 and 9 meters, **ULISSE** can be extended up to 11 and 13.5 meters in length. In all sizes it can be made in the version with or without cabin with single or double work area. Special versions of this machine have been created for the processing of fiberglass, steel and all materials that can be machined with cutters. The tools are cooled with emulsified oil by means of pumps placed on the mobile carriage, but on request it can also be performed by a water-oil unit with a recycling pump.

ULISSE is an extremely versatile machine, it can be equipped with vacuum maintenance cabins complete with treated guides and dedicated components. Able to perform heavy work on steel, machining for the aeronautical sector or for particular materials that can be exposed to temperature variations. This machine is also available in larger sizes, to be able to process sandwich panels and PVC panels, complete with a clamping of 1,100 mm and rollers for supporting the profiles.

MACHINING CENTERS



ULISSE

3-4 AXIS CNC



STRENGTHS

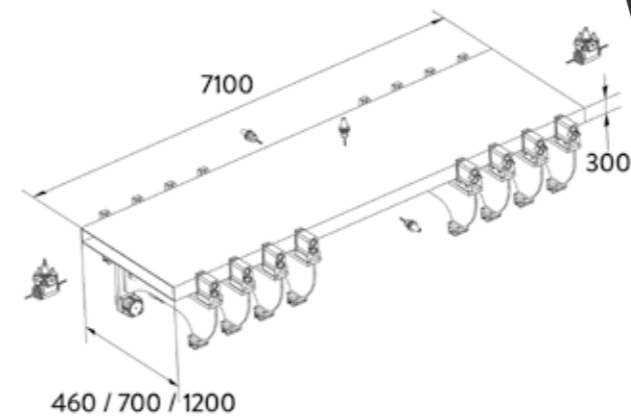
■ Length from 4 to 13 meters, with single or double loading area.

■ Maximum load section 700 x 12,000 mm.

■ Powerful 500 mm blade that can be equipped with a 3 kW spindle.

■ Ideal for processing sectional panels, sandwich panels and PVC.

MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



TECHNICAL DATA

MODEL	4.0	7.0	9.0
	6,300 x 3,100 x 2,400 mm	9,300 x 3,100 x 2,400 mm	11,300 x 3,100 x 2,400 mm
	2,800 kg	4,400 kg	5,200 kg
	6.6 kW		13 kW
N. references of zero	2 pneumatic		4 pneumatic
	4 automatic	8 automatic	10 automatic
	8 positions tool holders fixed on the carriage (expandable up to 30)		
	4,420 mm	7,420 mm	9,420 mm
	1,140 mm		
	490 mm		
	X 80 m/min · Y 60 m/min · Z 30 m/min		



PEGASO

5 AXIS CNC

Particularly suitable for light industry and suitable for machining steel, aluminum and alloys. Provided with a wide range of 8, 12 and 16 kW electrospindles, high performance clamps with automatic movement through the carriage or through the quick rearrangement of the loading surface. Available in 4, 7, 9, 11 and 13 meter versions also with double clamping and with supports for angular heads indicated for specific processes. Its basic tool change includes 15 positions, but on request it can be extended up to 30.

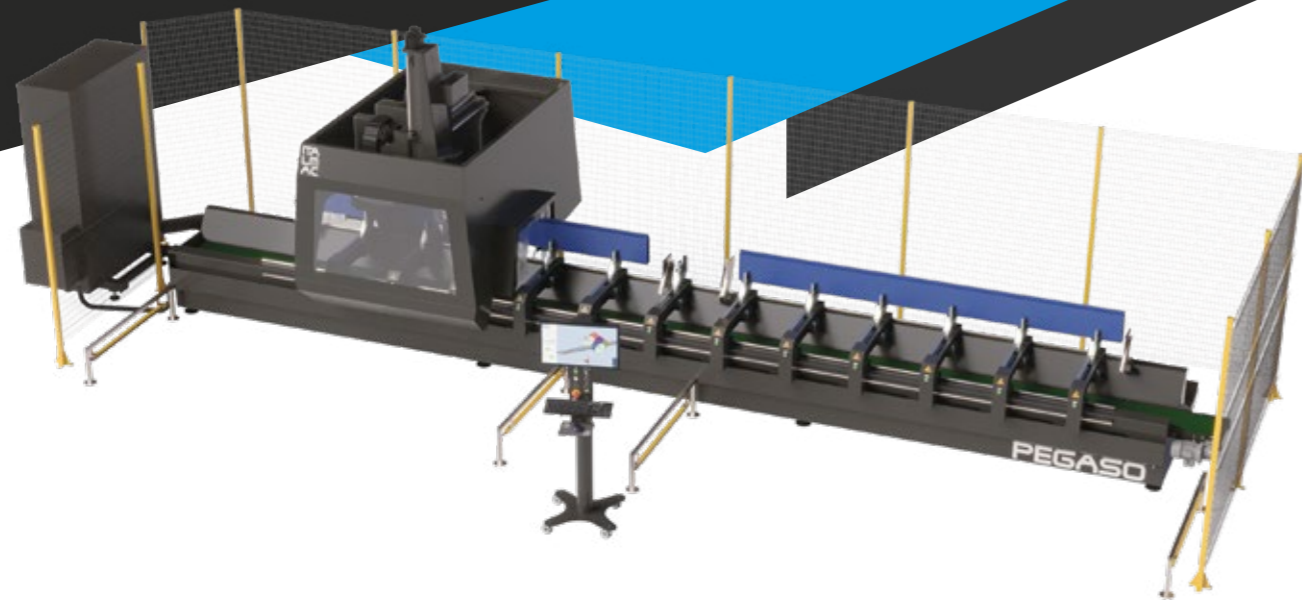
The machinable section of 300 x 640 mm allows a wide range of operations to satisfy every need. Among its outstanding features, **PEGASO** includes: a 400 mm blade and a tool blade that can be combined with the 500 mm accessory blade assembly. **PEGASO** is perfect for facades, construction profiles, automotive industry, lighting engineering, railway sector and all light industries in general.

MACHINING CENTERS



PEGASO

5 AXIS CNC



STRENGTHS

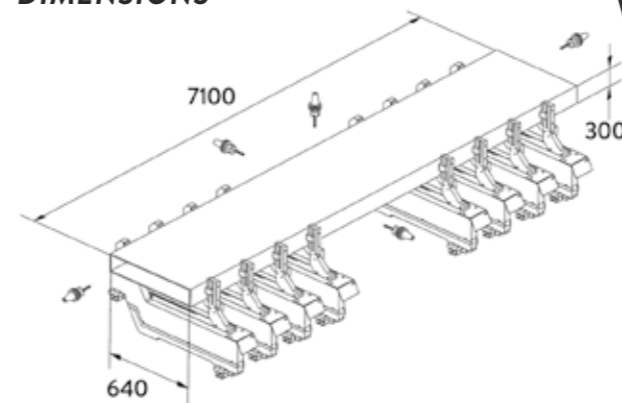
■ Electrospindles of different power of 8, 12 and 16 kW.

■ Machinable section of 300 x 640 mm, ideal for light industrial machining.

■ 500 mm saw blade in fixed 90° version and mobile for sectioning also vertically.

■ 400 mm tool blade ideal for facades, construction profiles, automotive, railway and lighting industries.

MAXIMUM WORKABLE DIMENSIONS

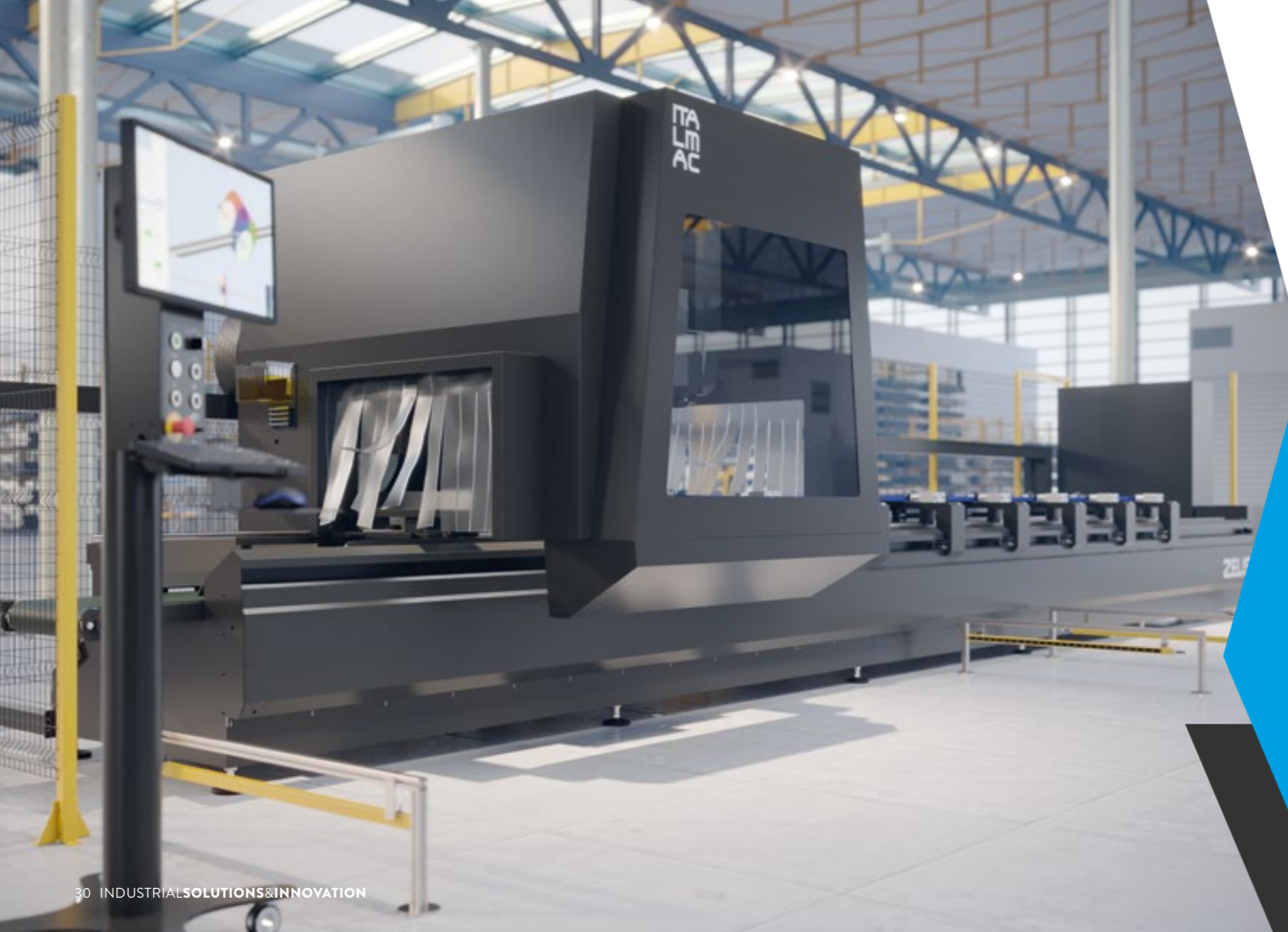


Positioning of profiles



TECHNICAL DATA

MODEL	4.0	7.0	9.0
	6,800 x 3,100 x 2,500 mm	9,800 x 3,100 x 2,500 mm	11,800 x 3,100 x 2,500 mm
	3,200 kg	4,300 kg	5,400 kg
	10 o 12 kW		
N. references of zero	2 pneumatic	4 pneumatic	
	6 automatic	8 automatic	10 automatic
	15 positions tool holder fixed on the carriage (expandable up to 30)		
	4,470 mm	7,470 mm	9,470 mm
	1,325 mm		
	600 mm		
	X 100 m/min · Y 60 m/min · Z 30 m/min		
	From -120° to +120°		
	From -240° to +240°		



ZEUS

5 AXIS CNC

ZEUS is a robust and precise machining center, mainly used for the railway, automotive, aerospace and transport industries in general. With its rigidity, it allows you to easily work steel and have a diversified application in various sectors. **ZEUS** is equipped with a heavy base made up of a woven frame and is available in 4, 7, 9 or 11 meters versions, with or without cabin. Special versions have been created such as the one dedicated to tensile structures: in this case, a solution with rollers and angular heads is offered allowing the work on all six sides of the profile. A large mobile carriage allows an accuracy starting from 0.07 mm with a machinable section from 400 mm to 680 mm. The intuitive CAD/CAM is the tool designed by ITALMAC specifically for this category of machines, which allows the customer to have access to all available technologies. In fact, **ZEUS** is able to connect with any CAD, and at the same time provides the ERP software with the information necessary to organize and plan production. **ZEUS** means having power under control.



MACHINING CENTERS

ZEUS

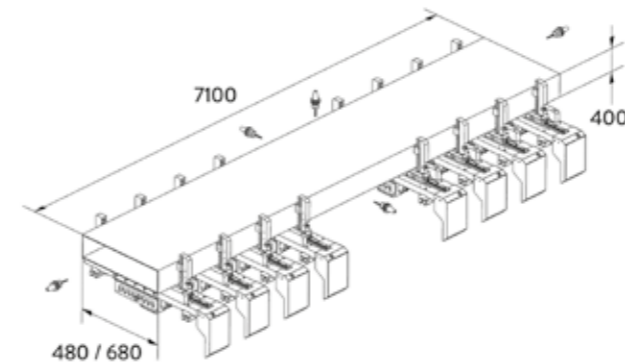
5 AXIS CNC



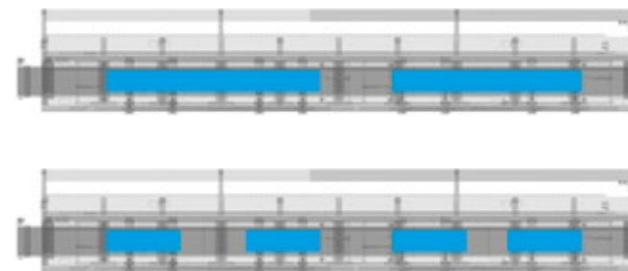
STRENGTHS

- Perfect for rail, transportation, aerospace, electrical pipelines and tensile structures.
- Effective cooling system that allows quick processing.
- Internal magazine including 30 positions with saw blades from 500 to 800 mm for large sections.
- Intuitive and dedicated software for use in the industrial and automotive sectors.

MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



TECHNICAL DATA

MODEL	4.0	7.0	9.0
	7,900 x 3,150 x 3,100 mm	10,900 x 3,150 x 3,100 mm	15,000 x 3,700 x 3,300 mm
	5,500 kg	7,000 kg	8,600 kg
	10, 12, 16 o 22 kW		
N. references of zero	2 pneumatic	4 pneumatic	
	4 automatic	8 automatic	10 automatic
	15 positions tool holder fixed on the carriage (expandable up to 30)		
	5,450 mm	8,300 mm	10,250 mm
	1,550 mm		
	790 mm		
	X 100 m/min · Y 65 m/min · Z 40 m/min		
	From -120° to +120°		
	From -240° to +240°		



THOR

5 AXIS CNC

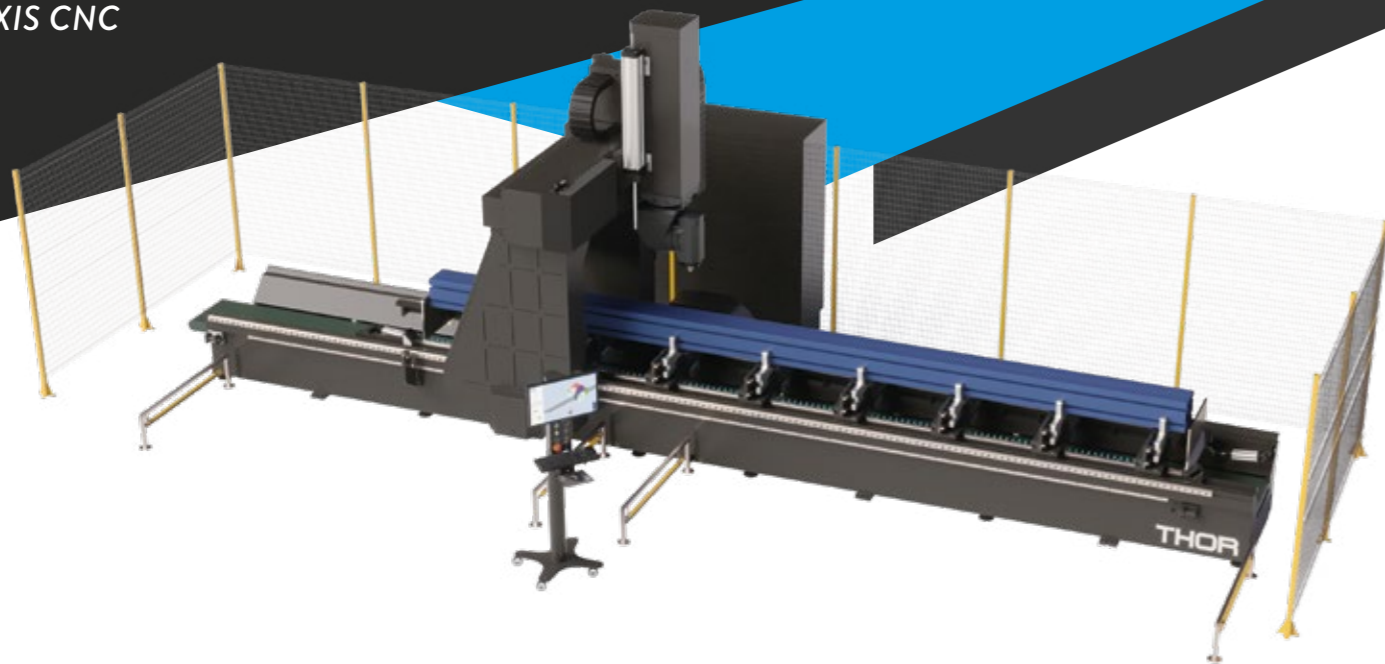
THOR is the largest machining center on the market, dedicated to heavy operations with a machinable section of 450 x 550 mm. Available in 4, 9, 11 meters versions, it is particularly suitable for working steel and aluminum. Provided with powerful 20, 24 or 30 kW electrospindles, both asynchronous and synchronous, which guarantee maximum efficiency thanks to the liquid cooling system. The machine can be placed in the medium-heavy industrial sector. With this machining center, Italmac finds its place in the most performing mechanical workshops. **THOR** is a rigid center with a gantry structure with play recovery and hydraulically closing clamps, which guarantee a secure grip. It is also equipped with: a tilting head which, thanks to its hydraulic brakes, guarantees rigidity during machining, a tool change from 15 to 30 positions, an automatic tool feeler and a belt for evacuating metal chips. The cooled electrical panel, kept at a constant temperature and the sturdy mobile console give this center those extra elements to stand out.

MACHINING CENTERS



THOR

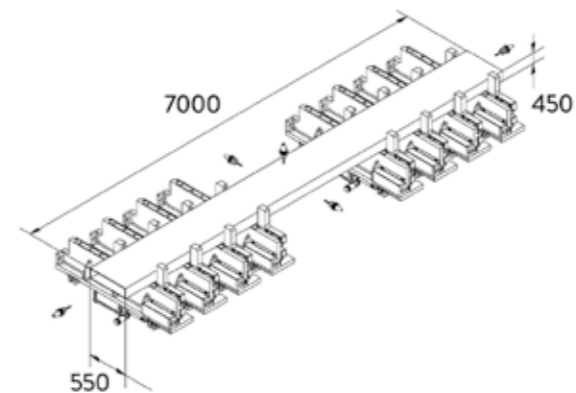
5 AXIS CNC



STRENGTHS

- For medium and heavy industry, suitable for iron, steel and aluminum processing.
- Electrospindles very powerful both asynchronous and synchronous with a power of 20, 24 and 30 kW.
- Imposing machining center that allows for stability and firmness in machining.
- Workable section of 450 x 550 mm.

MAXIMUM WORKABLE DIMENSIONS



Positioning of profiles



TECHNICAL DATA

MODEL	4.0	9.0	11.0
	7,900 x 3,150 x 3,100 mm	10,800 x 3,150 x 3,100 mm	14,800 x 3,700 x 3,300 mm
	8,500 kg	9,800 kg	11,400 kg
	20, 24 o 30 kW		
N. references of zero	2 pneumatic	4 pneumatic	
	8 automatic	10 automatic	12 automatic
	15 positions tool holder fixed on the carriage (expandable up to 30)		
	5,450 mm	8,300 mm	10,250 mm
	1,550 mm		
	790 mm		
	X 60 m/min · Y 60 m/min · Z 40 m/min		
	From -120° to +120°		
	From -240° to +240°		



ITALMAC SOFTWARE

ITAL-CAM · OPERA · UNI-LINK

Software choice is nowadays a fundamental requirement in the purchase of a product for production. Connectivity, control and dynamism are the cornerstones of any software choice. In this sense, ITALMAC has always had control over the management of all the software produced and supplied to its customers, offering immediate assistance and support for all new developments and customizations related to companies fickleness and challenges, ensuring efficiency and profitability to the companies.

ITALMAC offers a multi-level software package to meet the multiple needs of its customers, by cooperating with software houses dedicated to specific industrial fields. Machining centers, miter saws, lines, semi-automatic machines, special machines, all connected through a single sharing system.



Planning

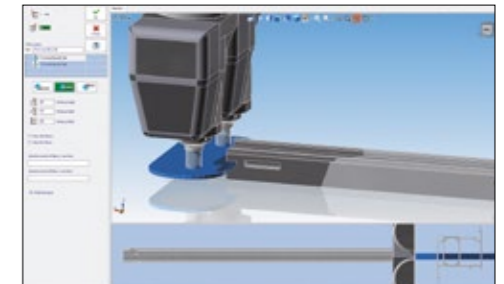
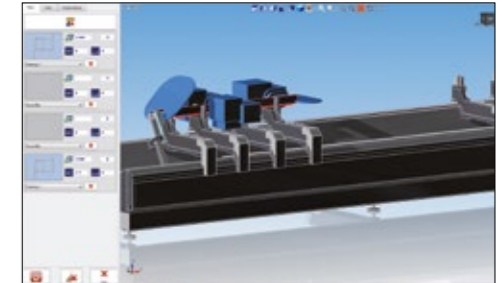


Design



Production

PROGRAM PREVIEW S





INDUSTRIAL SOLUTIONS & INNOVATION

www.italmac.it



In the catalog, all data, descriptions and pictures of the products have an indicative / advertising value and in no case they bind the manufacturer and the seller to what is represented. For marketing reasons, the products can be reproduced or represented with non-standard configurations, different colors, or with optional equipment, not updated, with special customizations or with different technical characteristics, even for constructional needs. The manufacturer and the seller reserve the right to make any changes to the products. The commercial staff remains available for any clarification on the matter.

© M8 S.r.l. | All rights reserved | 10.2020