

essetre[®]

CNC WOODWORKING MACHINERY

WWW.ESSETRE.COM

About Us

ESSETRE Srl was founded in 1979 and since over 30 years produces woodworking machineries. Our company is well known both in the Italian and in the foreign market for the care dedicated to its products and above all to its ability in finding new solutions upon the customers' needs.



We distribute our machineries all over the world and thanks to a qualified staff of engineers and technicians we are always able to offer **new solutions to the customer** in order to increase the quality and reliability.

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CNC MACHINERIES SUITABLE FOR THE FOLLOWING SECTORS:

- **Wooden Houses – Posts – Beams – Trusses - Roofs - CLT&SIPS Panels**

Essetre is also specialized in the production of CNC controlled machineries for processing:

- **Curved elements**

- **Kitchen worktops and furniture**

Our sales and technical department can help and support the customers starting from the first contact in helping them **choosing the best solution.**



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TECHNO PF 1250

Fixed portal frame working center

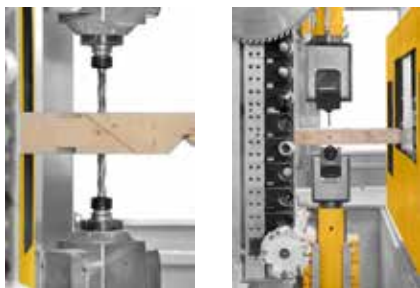
TECHNO PF is a working center with fixed portal, which has been designed and manufactured for granting a high production level. This machine can be used for manufacturing wooden structures, roofs, beams and can be delivered with two interpolating 5 axis milling heads.



Available Models:

- Techno PF 1250 1 Head
- Techno PF 1250 2 Heads

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Max. standard workable dimensions: 1250x400 mm

Unlimited length



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TECHNO PF

Fixed portal frame working center

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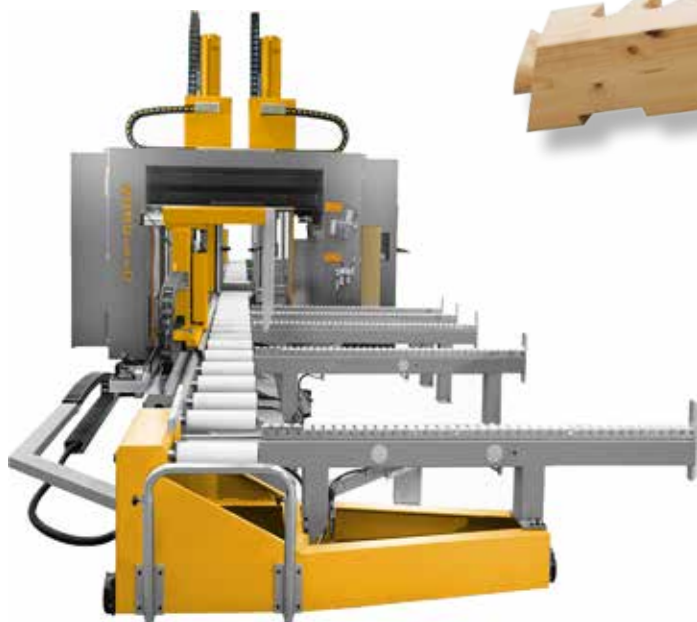
Available Models:

- Techno PF 2 heads

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Max. standard workable dimensions: 400x800 mm
Automatic beams infeeding and outfeeding.
New graphic software specific for the beam's processing



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TECHNO PF + BH

Fixed portal frame working center

TECHNO PF+BH is a working center with fixed portal, which has been projected and manufactured for granting a high production level. This machine can be used for the production of wooden structures, roofs, and blockhouse. It can be equipped with a single interpolating 5 axis milling head and a special dedicated group for the blockhouse processing.



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Max. standard workable dimensions: 400x800 mm

Blockhouse dedicated group to process max 160x240 mm



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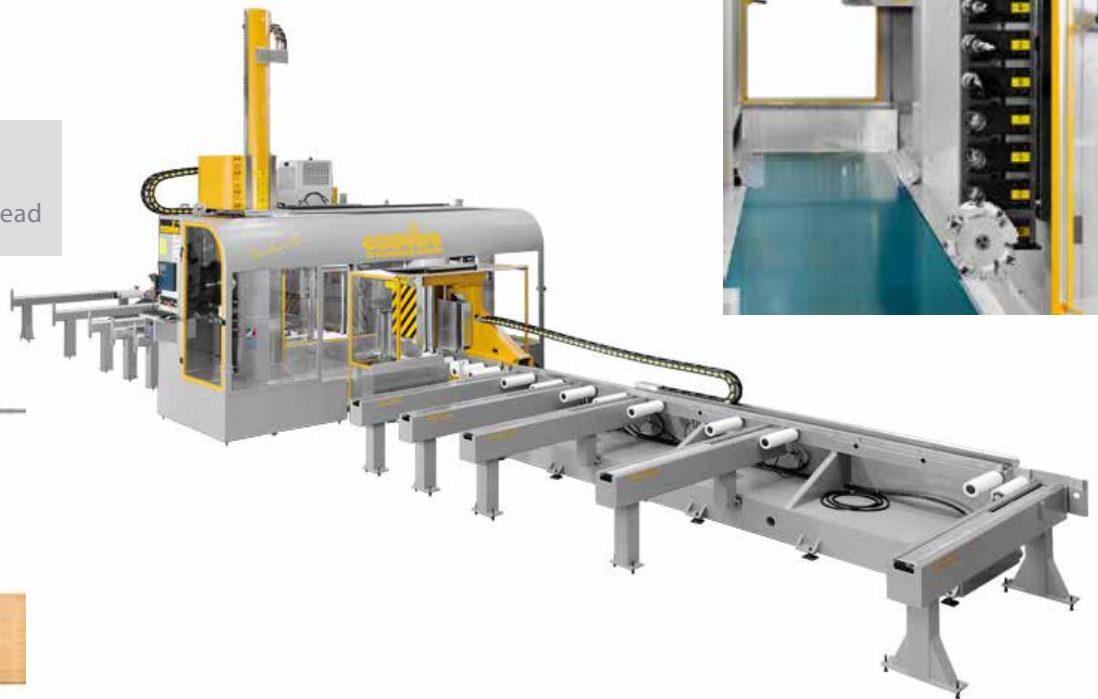
TECHNO ONE

Fixed portal frame working center

TECHNO ONE is a working center with a fixed and solid portal frame of high resistance and stability. The machine is equipped with no. 1 interpolating 5-axis milling head.

Available Models:

- Techno ONE 1 head



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Max standard workable Beam section: 400x800mm

Unlimited length



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TECHNO PM

Moving portal Frame center

TECHNO PM is an extremely flexible working center with moving portal frame. It can process beams for the carpentry. The Techno PM machine, if equipped with an optional vacuum table, can process CLT or SIPs panels and also be used as a 5 axis router.



Available Models:

- Techno PM 1 head



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One interpolating 5 axes milling head
Max standard workable Beam section: 400x800 mm
Max workable Panels dimensions: 1250x5000 mm



TECHNO FAST

Monoblock working center

TECHNO FAST is a CNC working center for processing beams, characterized by a heavy monoblock structure with reduced dimensions for an easy transportation and installation without the need to disassemble the machine.



Techno Fast can process beams with a remarkable speed by a 5-axis milling head with double exit motor: one equipped with HSK 63F tool connection allowing an automatic tool changing and one equipped with a flange connection for the blade (standard diameter of 600mm).

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One 5-axis milling head with double exit motor
Max standard workable beam section: 250x620mm

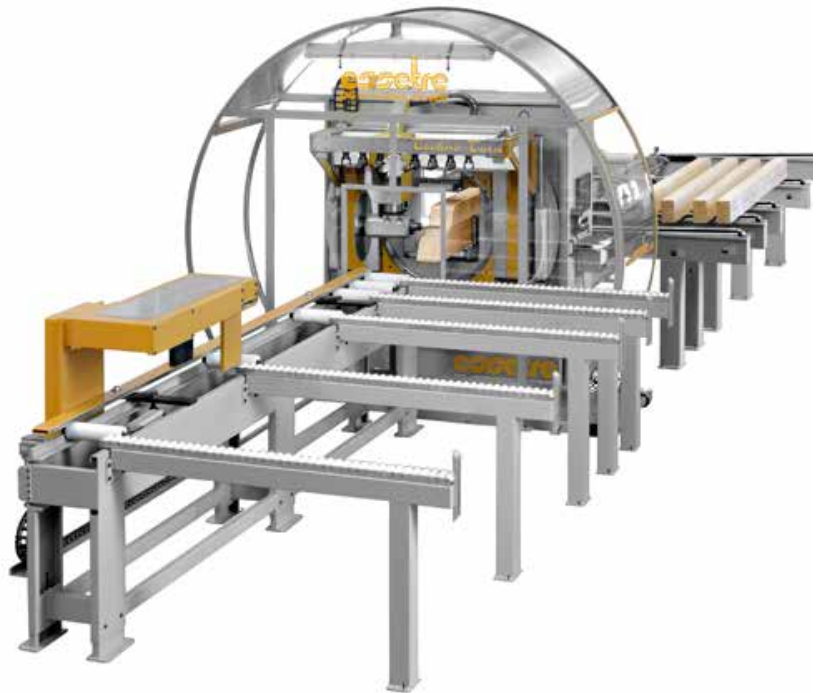


TECHNO TURN

Working center processing all the 6 sides of the beam

TECHNO TURN 1 Head is an innovative and patented CNC controlled working center with fixed portal frame and 6 continuous interpolating axis, which allows to process the beams ON ALL THE 6 SURFACES WITHOUT TURNING IT.

Techno Turn is a CNC controlled new conception machine with compact dimensions.



On the strong and stable portal frame is installed a precision ring nut controlled by the CN, with a 360° movement where is located the innovative "TURN" milling head.



One patented "Turn" 6-axis milling head
Max standard workable Beam section 240x400 mm



Available Models:

- Techno Turn 1 head
- Techno Turn 2 head



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TECHNO TURN EVO

Working center processing all the 6 sides of the beam

TECHNO TURN is an innovative and patented CNC controlled working center with fixed portal frame and 6 continuous interpolating axis, which allows to process the beams ON ALL THE 6 SIDES of the timbers WITHOUT TURNING IT.

Techno Turn is a CNC controlled new conception machine with compact dimensions.



On the strong and stable portal frame is installed a precision ring nut controlled by the CN, with a 360° movement where is located the innovative "TURN" milling head.

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One patented "Turn" 6-axis milling head
Max standard workable Beam section 650x400 mm



Available Models:

- Techno Turn Evo 1 head
- Techno Turn Evo 2 head



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TECHNO SAW

Working center for frame elements

TECHNO SAW is a CNC 6 axis woodworking center with fixed portal frame and a double exit milling head for processing trusses, wooden houses components and timber frames.

This is a New entry level machine, able to process trusses in the carpentry sector.



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One double spindle interpolating 5 axis milling head

Max standard workable dimensions: 450x1500mm

Automatic beams infeeding and outfeeding



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TECHNO WALL

Working center for CLT panels

TECHNO WALL is a working center equipped with the new PATENTED MULTIFUNCTION 5 continuous interpolating axis milling head and BLADE GROUP. The machine can process CLT panels and curved elements used in the carpentry.

It has a solid electro welded structure with a chip conveyor under the working area.



The main feature of this machine is the **remarkable working speed** allowed by the new head with a cutting blade and a 5-axis milling head (equipped with a tool magazine with 8 positions) installed in the opposite position.

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One interpolating 5-axis milling head + blade group
Workable dimensions: Width from 3.000 mm up to 8000 mm
unlimited length
thickness up to 400 mm
Graphic software specific for the walls' processing



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TECHNO MULTIWALL

woodworking center to assemble and process frame walls and CLT panels

TECHNO MULTIWALL is a new CNC working center to process and assemble frame and CLT panels, equipped with new innovative automatic device to turn the panels on the working area.

This system is installed directly onto the worktables of the machine



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One interpolating 5-axis milling head and blade group

Workable wall dimensions:

Width: from 3.000 mm up to 8000 mm

unlimited length

thickness: up to 400 mm



Upon the customer's requirements,
the machine Techno Multiwall
can be produced in different dimensions
and configuration.



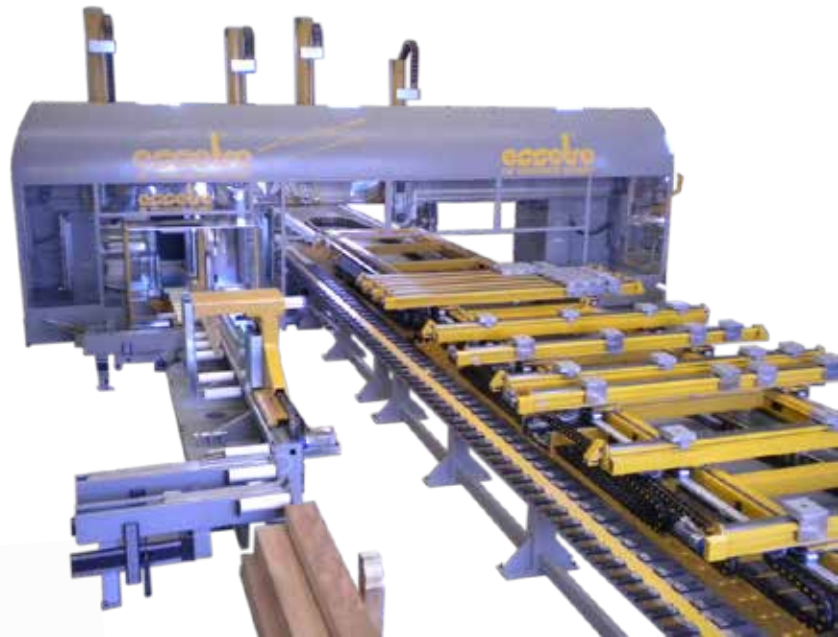
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TECHNO PROGRESS

multifunctional working center for the processing of the beams and panels simultaneously

TECHNOPROGRESS is a multifunctional working center, developed from two different machines having a consolidated technology: Techno PF and Techno WALL. The big portal frame with big dimensions is characterized by two separated working areas: one to process the beams and the other for the panels' processing.

If the machine is equipped with no. 3 or 4 "5-axis milling heads", these can work simultaneously on the two working areas, speeding up the processing time and avoiding to lose time during the tool changing.



On the cross beam of the fix portal frame can be installed 2 or 3 "5-axis" milling heads equipped with free programming and HSK 63F/A tool connection and one "5-axis" head with a fix blade (max diameter 1000mm) able to cut walls and panels of big dimensions.

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2/3 interpolating 5-axis milling head and blade group

Max workable beams dimensions: 400x800 mm

unlimited length

Workable panels dimensions:

Width from 3.000 mm up to 8000 mm

thickness up to 400 mm

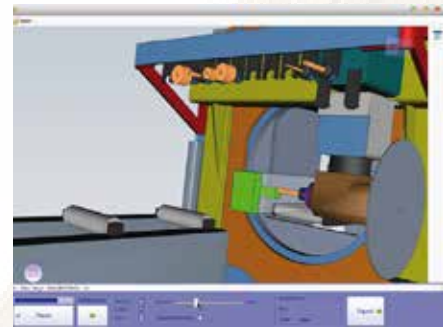


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USE & MANAGEMENT

The software installed on our machines are easy to use and include many applications, which help the operators during the use.

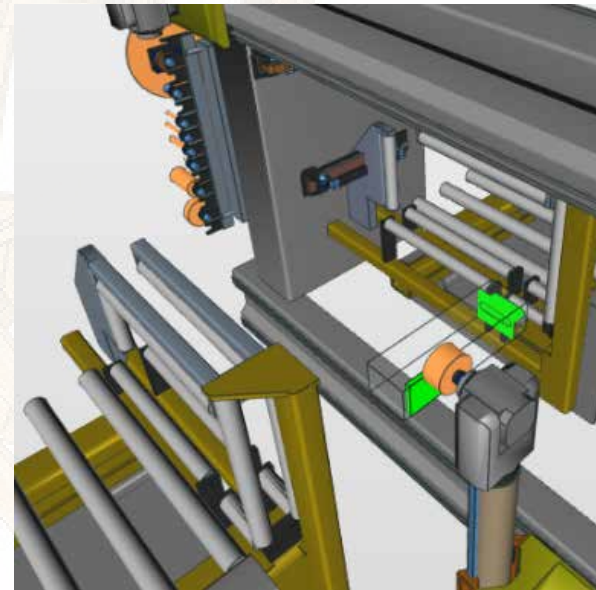
The software for processing beams has a “pre-view” system, which allows the operator to check and to modify the processing before the execution.



The files generated by the main CAD used for projecting are automatically converted into BTL files, which allow the immediate execution on the machine.

The software installed on the TECHNO machines is provided with an OPTIMIZATION function.

This feature is designed to reach the best cutting process management, in order to reduce at maximum the volume of scrap material.



Moreover the software is equipped with a simulation and anti collision system.

SERVICES

In order to support the customers, Essetre offers some additional services as indicated below:

- Engineering
- Consulting for new projects
- Hotline by internet connection
- Technical support
- Development of new technologies
- Spare parts service
- Assistance service
- Technical service for the starting up of the production
- Training for customer's technicians
- Software updates



CONTACTS

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