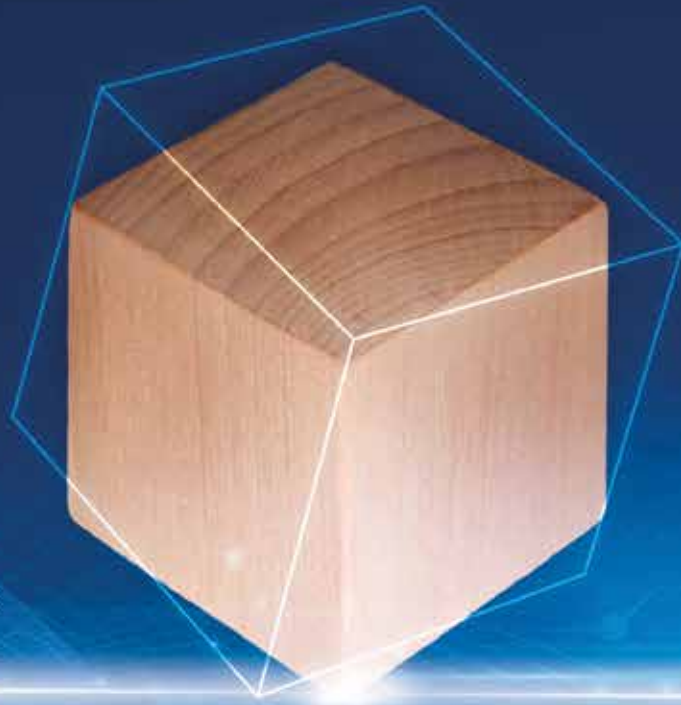


celaschi p30 / celaschi p20

automatic double-end tenoners



BALANCE YOUR WORKFLOW WITH CELASCHI'S NEW MACHINES



CELASCHI P30 - CELASCHI P20



EVERYTHING YOU NEED TO
SIMPLIFY YOUR PRODUCTION

6

CELASCHI P30

8

CELASCHI P20

EASE OF USE



Complete operations on all four sides of the panels made with ease, speed and maximum precision.

The *Maestro active square* HMI software allows an **intuitive and complete workflow management**: from the start of operations to the automatic generation of production reports.

STRENGTH



No compromise on machine structure stiffness and solidity, that, thanks to the total absence of vibrations, ensures the same processing accuracy of high performance machines.

QUALITY



Entirely designed and made in Italy, every machine is subjected to rigorous checks during the assembly phase.

SAVINGS



Celaschi p30 and celaschi p20 are the most compact models in the range. They incorporate all the **innovation of Celaschi double-end tenoners**, making it accessible even to small and medium-sized companies that produce panels, doors, and components in solid wood or alternative materials.

RELIABILITY



High quality components guarantee long-lasting efficiency and reliability of the machine.

PROMPT DELIVERY



The reorganization of the supply chain on a “lean” approach base has made more efficient the supply system allowing to guarantee **fast delivery time**.

20

SOFTWARE

22 - 24

TECHNICAL DATA

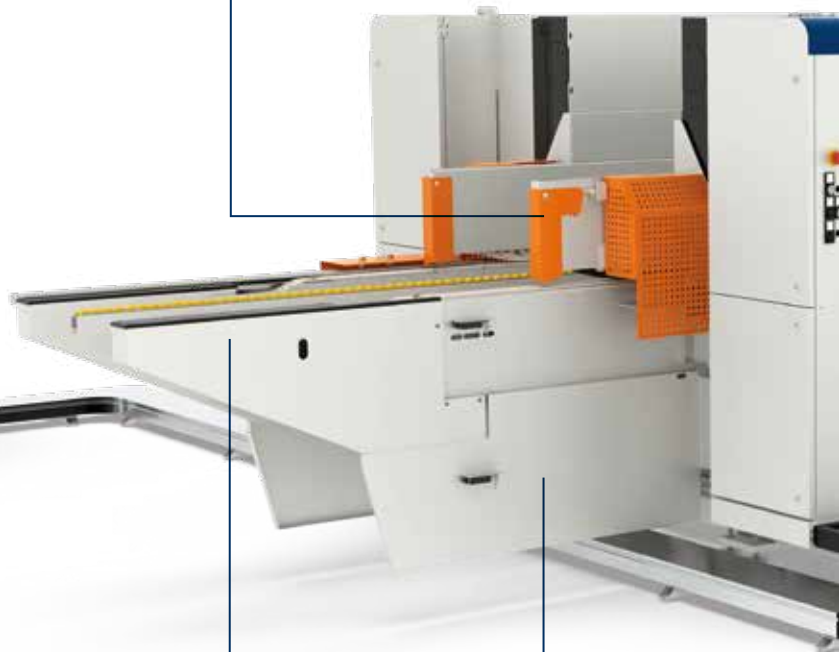
OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES

*Easy machine management within everyone's reach, thanks to **Maestro active square** HMI software.*



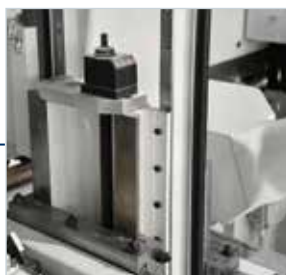
*The top pressure beams allow a **uniform and precise workpiece transport**.*



Reference guide with manual horizontal adjustment to establish the workpiece stock removal.



Adaptability even to larger and more flexible workpieces, thanks to the central support composed of rollers with manual positioning and removal.

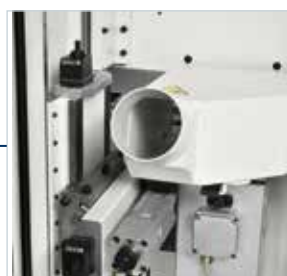


Total absence of vibrations thanks to the robust monobloc structure in steel strongly ribbed.



Possibility to process workpieces of large dimensions, thanks to the mobile beam opening up to 5600 mm.

Silence, cleaning and safety thanks to the complete protection enclosure with opening by gas springs.



Efficient shavings extraction with hoods tailored to each tool.

OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES



Celaschi p20 shares all the "older sister" advantages in a more compact solution.

*Possibility to equip the machine
with a loading system through
hopper feeder.*



WORKPIECE TRANSPORT SYSTEM

HIGH PROCESSING ACCURACY
AND SPEED UP TO 24 M/MIN
EVEN IN HEAVY DUTY
CONDITIONS



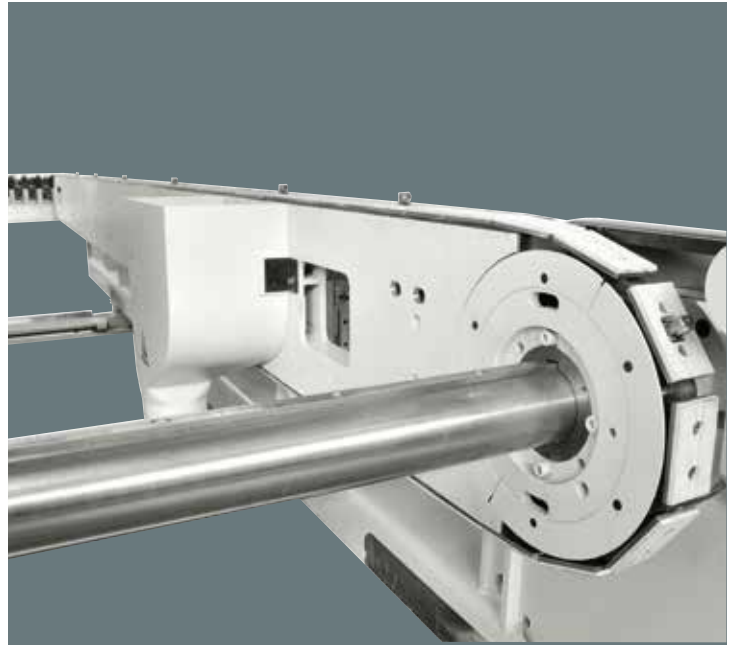
Chain's dogs with manual insertion/exclusion, made of strengthened and rectified steel, ensuring perfect squaring.



Sliding feed chain of 65 or 52 mm for narrow workpieces (dogs pitch 450 mm).



Sliding feed chain of 90 mm for workpieces with minimum width 240 mm. (Dogs pitch between 400 and 800 mm, on request).



Feed chain tracks are designed to ensure high performances, in terms of accuracy and durability. The high quality of coupling reduces vibrations to the minimum and extends the parts life.



UNIFORM HOLD-DOWN OF THE WORKPIECE DURING THE ENTIRE WORK CYCLE

The belt of the top pressure beams is motorized, with speed adjusted by inverter and completed with a clutch, manually controlled.

The vertical adjustment of the top pressure beams is manual; reading of the beams position by mechanic readout. Electronic positioning via encoder is available as an optional feature.

INCREASINGLY PRACTICAL



Automatic lubrication of the screw for the mobile beam positioning and of the transmission shaft screw of the feed chains.



Motorized belts at machine outfeed to enable easy workpiece unloading (option).



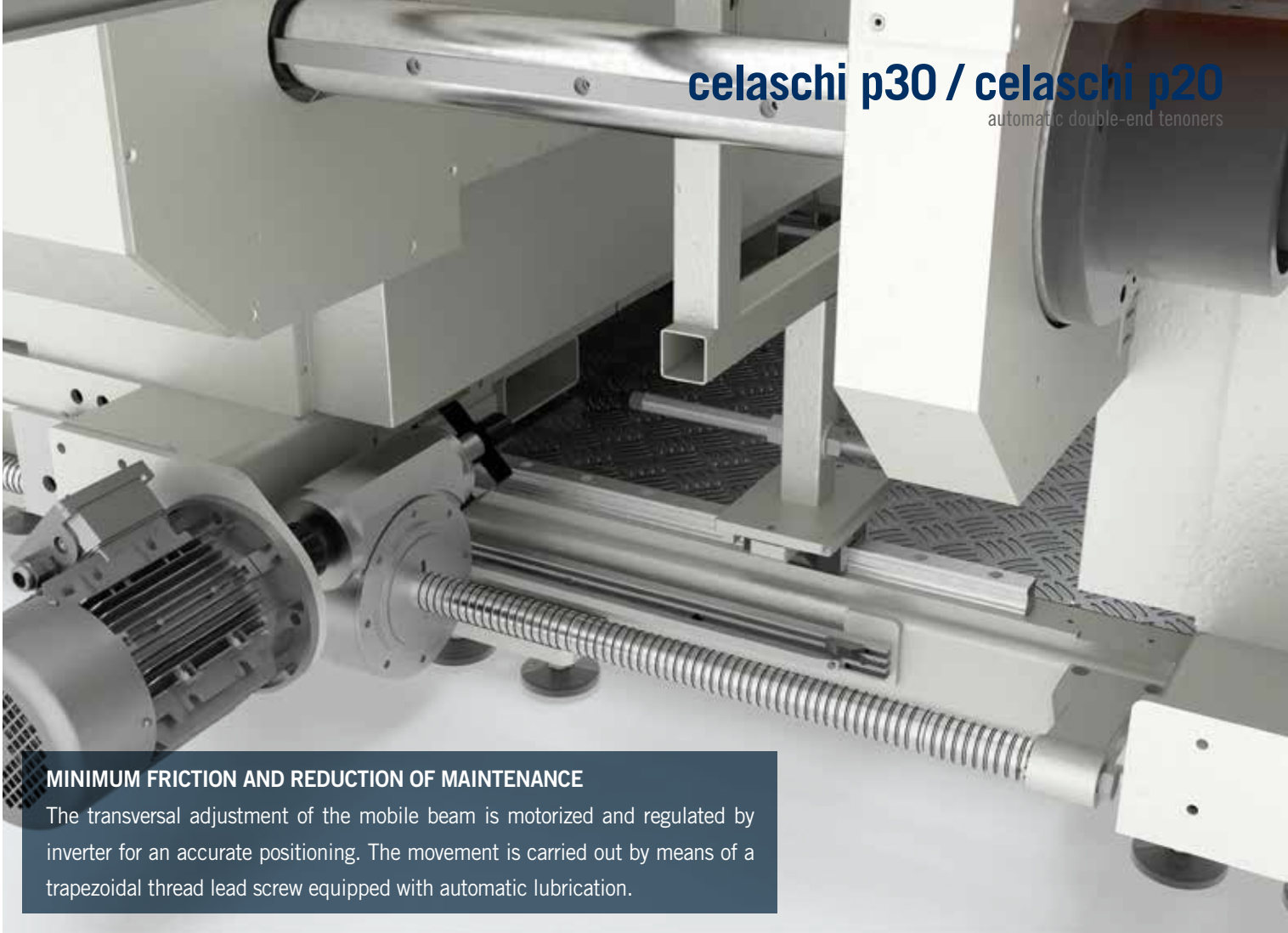
Device for **semi-automatic feeding of workpieces** for crosswise processing (option).



Manual hopper feeder for an higher productivity (option).



Excellent containment of dust and chips inside the protection enclosure and subsequent automatic extraction to guarantee a constant and efficient cleaning of the work area.



MINIMUM FRICTION AND REDUCTION OF MAINTENANCE

The transversal adjustment of the mobile beam is motorized and regulated by inverter for an accurate positioning. The movement is carried out by means of a trapezoidal thread lead screw equipped with automatic lubrication.



The machining units move on dovetail guides driven by **trapezoidal screws**; reading of the position by **mechanical readouts**.



Electronic positioning via **encoder** (option).

MATERIALS AND APPLICATIONS



SOLID WOOD



CHIPBOARD

celaschi p30 / celaschi p20

automatic double-end tenoners



HONEYCOMB-STRUCTURE



MDF

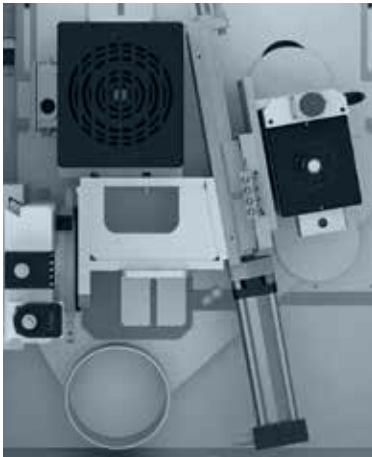


MULTILAYER/PLYWOOD



OSB

COMPOSITION



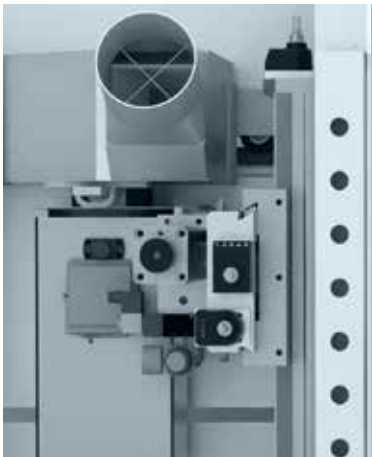
Scoring and hogging unit (3 kW+6 kW) adjustable by inverter

An automatic device guarantees no chipping on the workpiece bottom and rear side during crosswise processing.

Tool diameter max. 180 mm (scoring unit)

Tool diameter max. 250 mm (hogging unit)

Manual tilting (0° + 10°)



Operating unit with 6 kW motor power at 6000 rpm

Tool diameter min. 180 mm,
max. 220 mm

Manual tilting (0° + 90°)

Device for timed machining operations with horizontal displacement on recirculating ball guides for blind grooves execution or anti-chipping function (option)

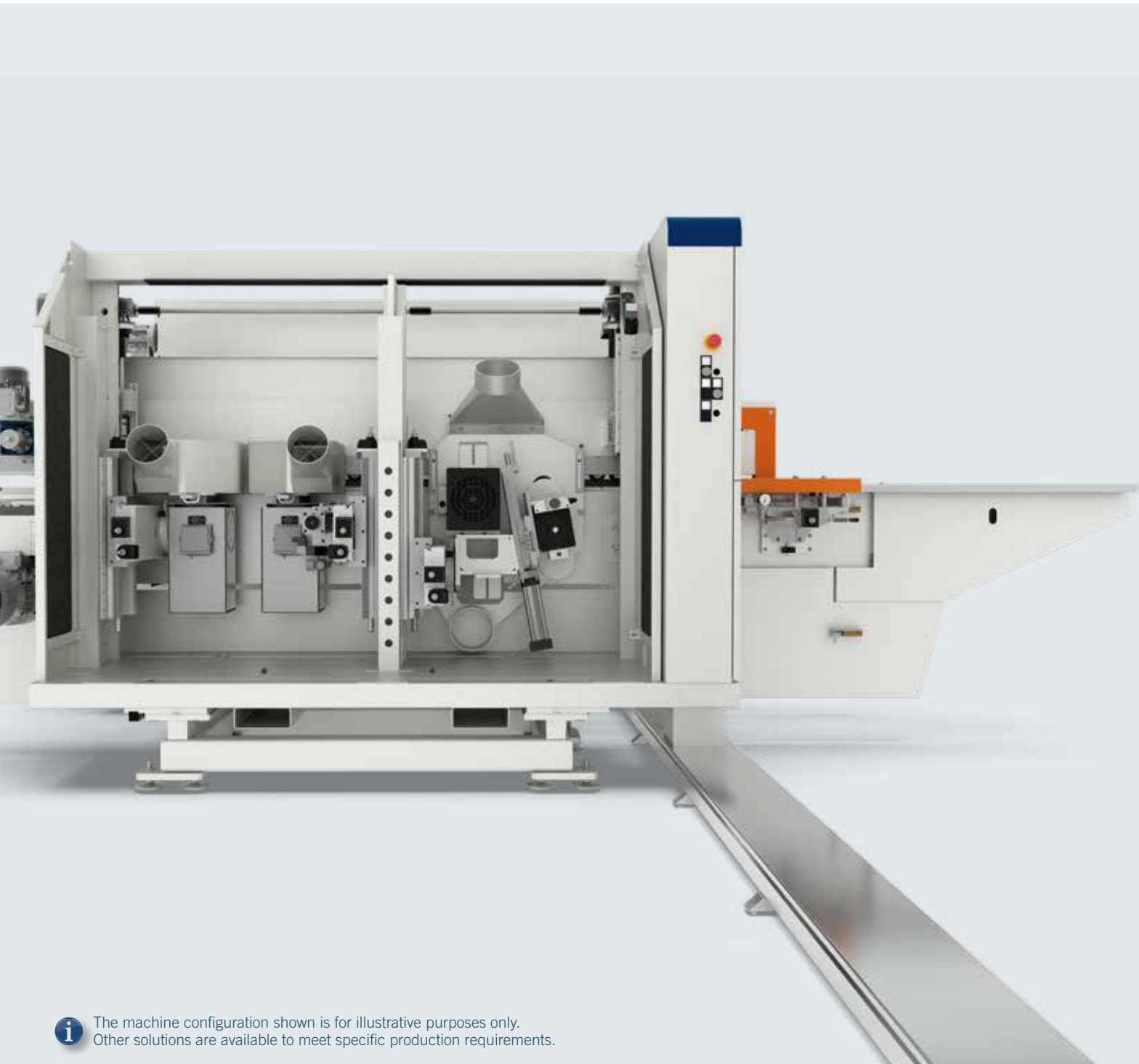


Operating unit with 6 kW motor power at 6000 rpm

Tool diameter min. 180 mm,
max. 220 mm

Manual tilting (0° + 90°)





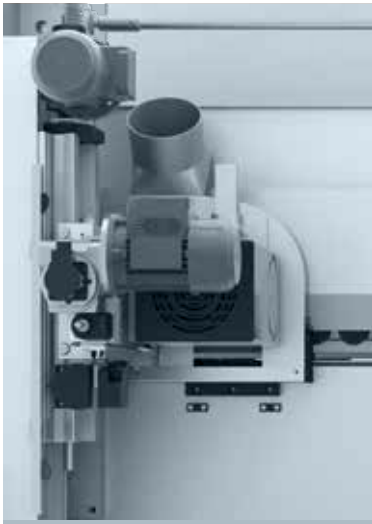
i The machine configuration shown is for illustrative purposes only.
Other solutions are available to meet specific production requirements.

COMPOSITION



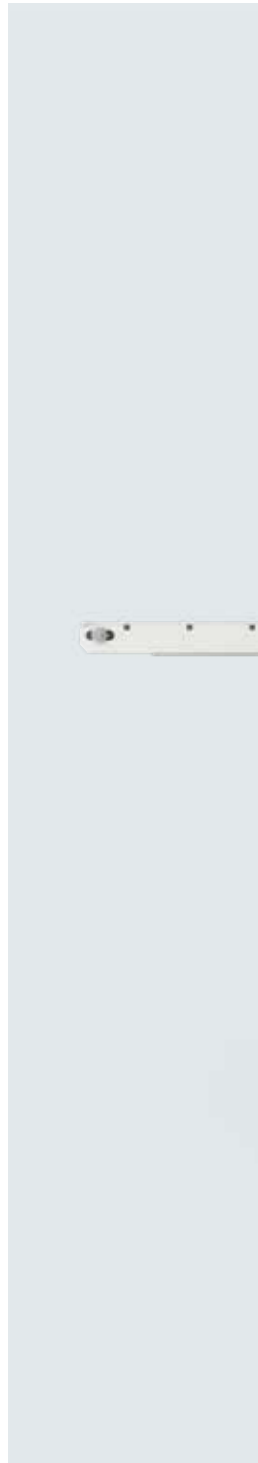
Operating unit with 6 kW motor power at 6000 rpm

Tool diameter min. 180 mm,
max. 220 mm
Manual tilting (0° +90°)



Operating unit for grooves with 6 kW motor power at 6000 rpm

Tool diameter min. 180 mm, max. 220 mm
Electronic positioning (option)





i The machine configuration shown is for illustrative purposes only.
Other solutions are available to meet specific production requirements.

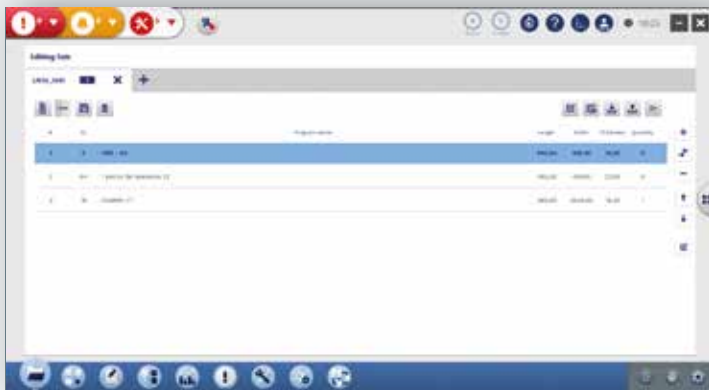
HMI SOFTWARE

Maestro active square



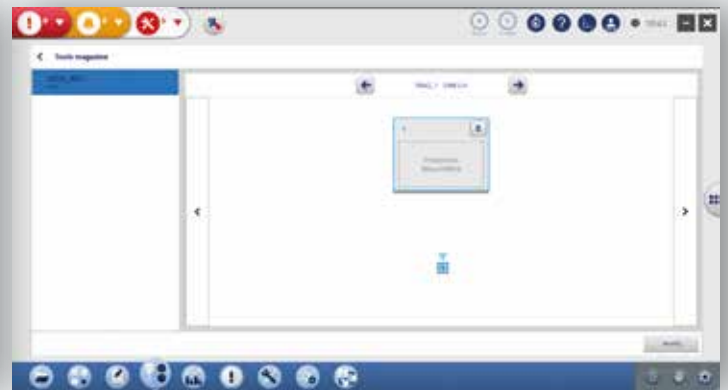
It is the software developed by SCM that allows the operator to manage the machine in all aspects: from the simple start of real machining operations to maintenance management, as well as generating production reports for Industry 4.0.

It is installed on the **eye-M PRIME** operator console, integrated into the electrical cabinet, and enables internet connection with SCM Service.



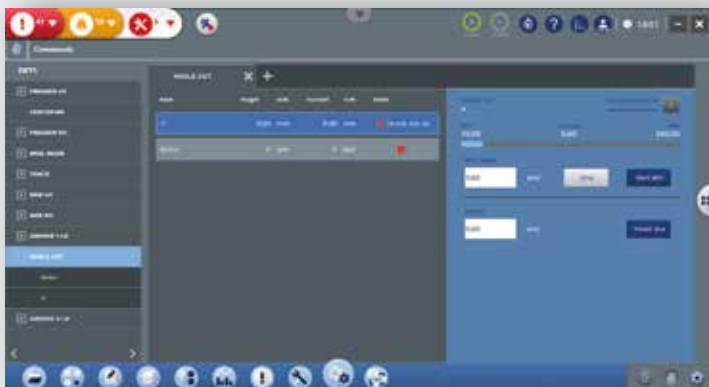
ORGANIZATION OF PRODUCTION

Simply management of work lists, importable from MES/ERP and possibility of generating reports.



MANAGEMENT OF TOOLS

It allows configuring, assigning and controlling the wear depending on the worked meters through an intuitive interface.



MACHINE MONITORING

Clear and real-time display of axis dimensions, operating status, alarms and work conditions.



ACCESS LEVEL MANAGEMENT

The ability to configure one or more access levels for each machine user: program execution, maintenance, manual controls, etc.

Maestro connect

CONNECT YOUR MACHINE AND GAIN ACCESS TO A WORLD OF SERVICES

Connecting your machine through IoT technology *Maestro connect* will let you subscribe a program of fast-evolving services. You will access a wide range of benefits that even go beyond the machine experience and will support and assist you through the whole life-cycle of your machine.

FASTER SERVICE INTERVENTION AND PROBLEM RESOLUTION

Maestro connect provides real time data and Health Records of the machine also to SCM Service, drastically reducing its troubleshooting time.

WORKING ALWAYS IN PERFECT CONDITIONS

Maestro connect can provide a full kit of sophisticated sensor devices to detect and warn the operator in case of alarming conditions of the machine.

SMART MACHINE

THE ENTIRE MACHINERY FLEET AT YOUR FINGERTIPS



- **REAL-TIME MONITORING** of the machine status, components, and performance in term of availability and efficiency.
- **INSTANT NOTIFICATIONS** on pc, tablet, and smartphone when machine alarms occur, allowing you to act timely and avoid additional equipment damages.

SMART MAINTENANCE

PLANNING AND MAINTENANCE: PREVENTION IS BETTER THAN... REPAIRING!



- **PLANNING:** In the Smart Maintenance section, you can find all the tools you need to plan the maintenance of the entire machinery fleet to prevent downtimes.
- **TROUBLESHOOTING:** Thanks to intuitive smart documents, *Maestro connect* guides the operator in the maintenance activities procedures step by step.
- **SERVICE REQUEST:** Do you need further support? Open a ticket in one click, and our experts will assist you.

WARRANTY EXTENSION

Is your machine still under warranty?

You will be able to activate the second year of warranty with facilitated conditions directly via *Maestro connect*.



SMART ANALYTICS

REPORT AND KPI: GET TO KNOW BETTER YOUR MACHINE



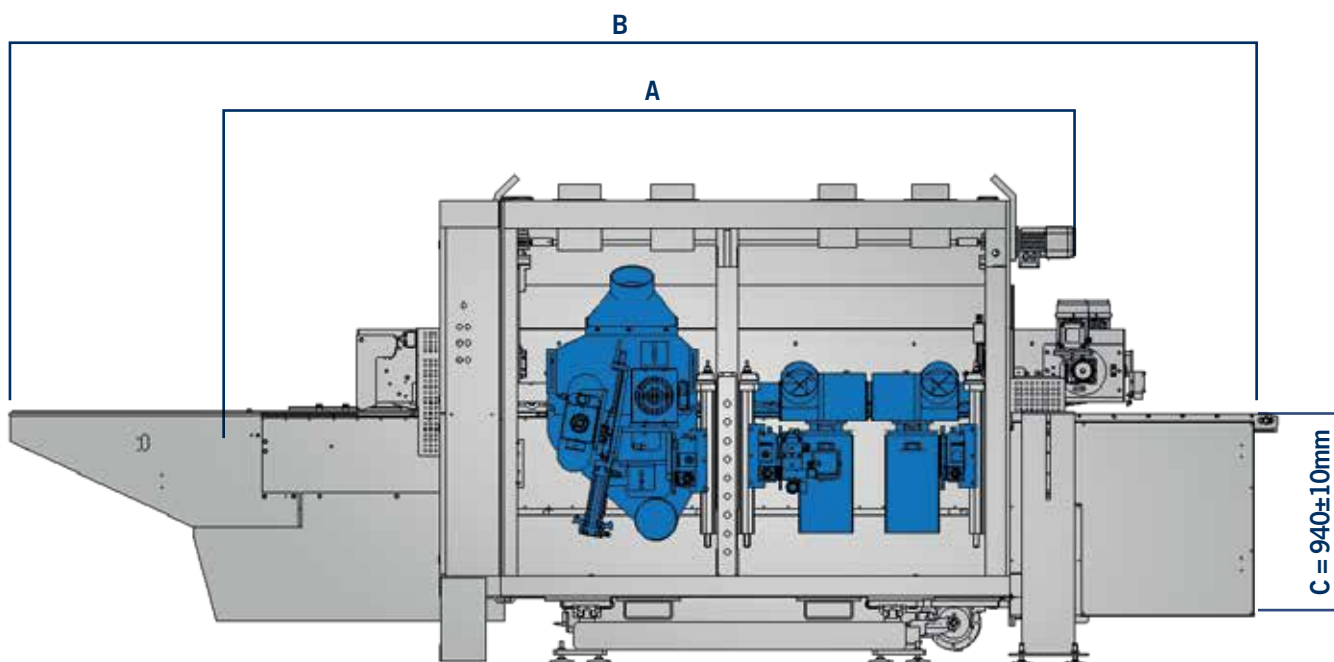
Maestro connect reports and KPIs provide an in-depth analysis of production results, enabling you to know your machine's performance in detail.

OEE: WHY IT'S IMPORTANT TO KNOW IT



The Overall Equipment Efficiency Indicator (OEE) allows you to monitor the three variables: Availability, Performance and Quality. By doing so, you'll be able to detect the lower one and act on it: the performance of your machine will be the highest ever.

TECHNICAL DATA



Chain type	A [mm] Chain tracks centre distance	B [mm] Length tot.
CS90	2800	4450
CS90	3200	4850
CS65	2700	4350
CS65	3150	4800
CS52	2700	4350
CS52	3150	4800



ENERGY ONLY WHEN YOU NEED IT

SavEnergy allows you to operate with the devices only when really necessary. The machine moves in stand-by automatically when there are no panels to process.

WORKPIECE TRANSPORT SYSTEM

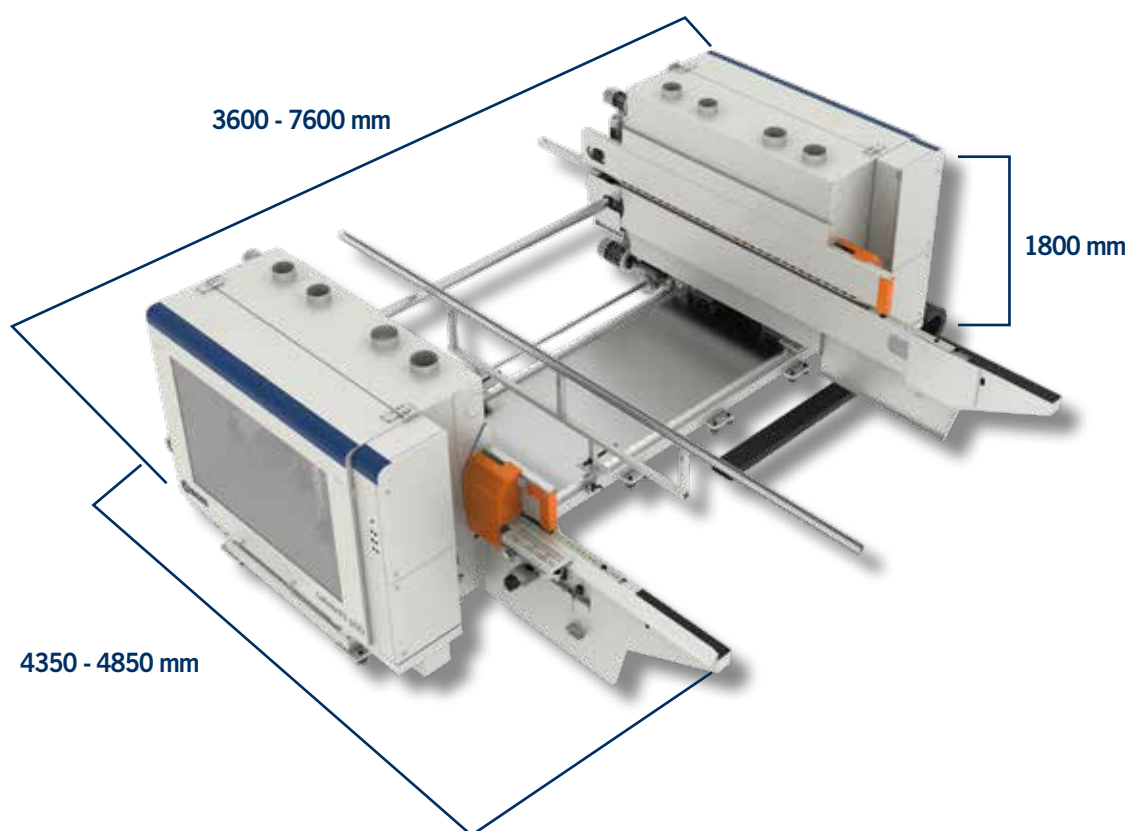
Speed	m/min	4 - 24
Dogs pitch	mm	400 - 450 - 800

MOBILE BEAM

Maximum beam opening	mm	1600-2100-2600-3100-3600-5600
Positioning speed	m/min	2

WORKPIECE DIMENSIONS

Width	mm	130 - 5600
Thickness	mm	3 - 80



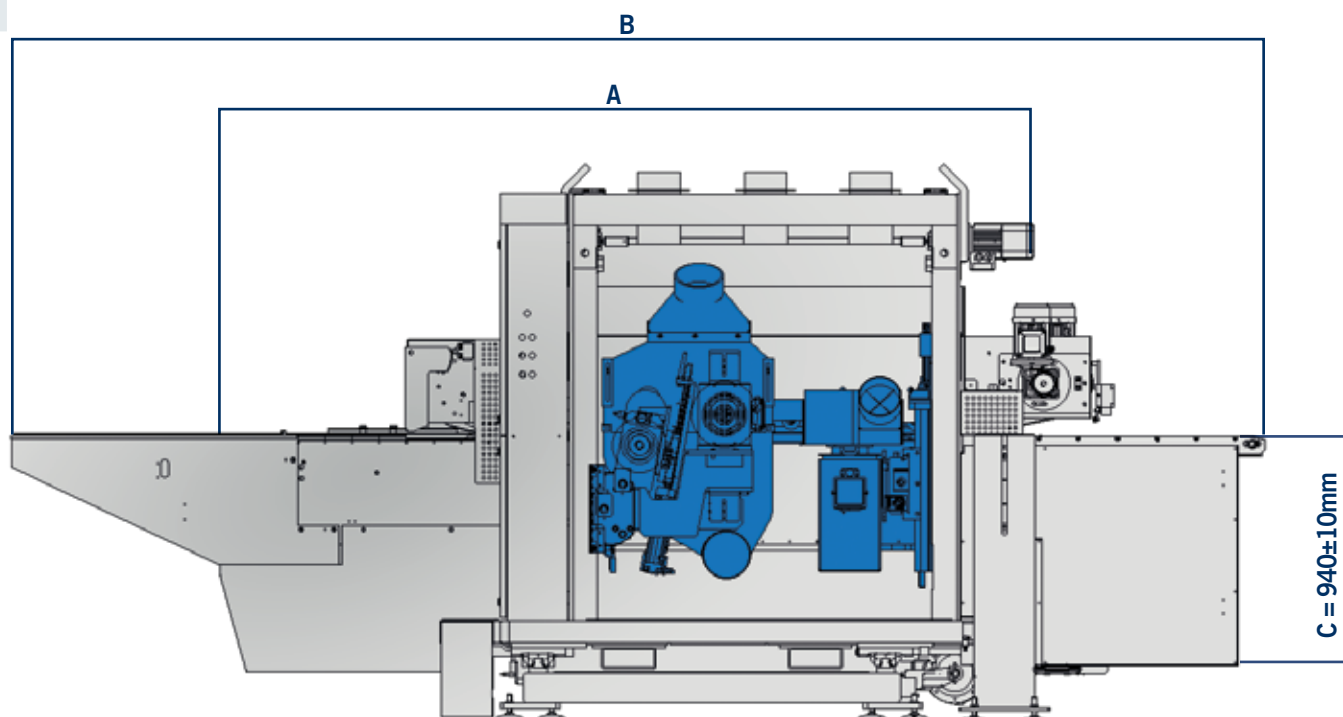
**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001**

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.

Maximum recorded noise levels based on functioning parameters established by ISO 7960 - 1995 Annex E. Acoustic pressure while working 89 dB(A) (measured according to EN ISO 11202:2010, K variance = 4dB). Acoustic power while working 104 dB(A) (measured according to EN ISO 3746:2010, K variance = 4dB).

Despite the existence of a correlation between "conventional" noise emission values mentioned above and average personal exposure of the operators during the 8 hours, these also depend on the specific functioning conditions, length of exposure, acoustics characteristics of the working environment and by the presence of additional sources of noise, that is the number of machines and adjacent processes.

TECHNICAL DATA



Chain type	A [mm] Chain tracks centre distance	B [mm] Lunghezza tot
CS90	2000	3650
CS90	2400	4050
CS65	1800	3450
CS65	2250	3900
CS52	1800	3450
CS52	2250	3900



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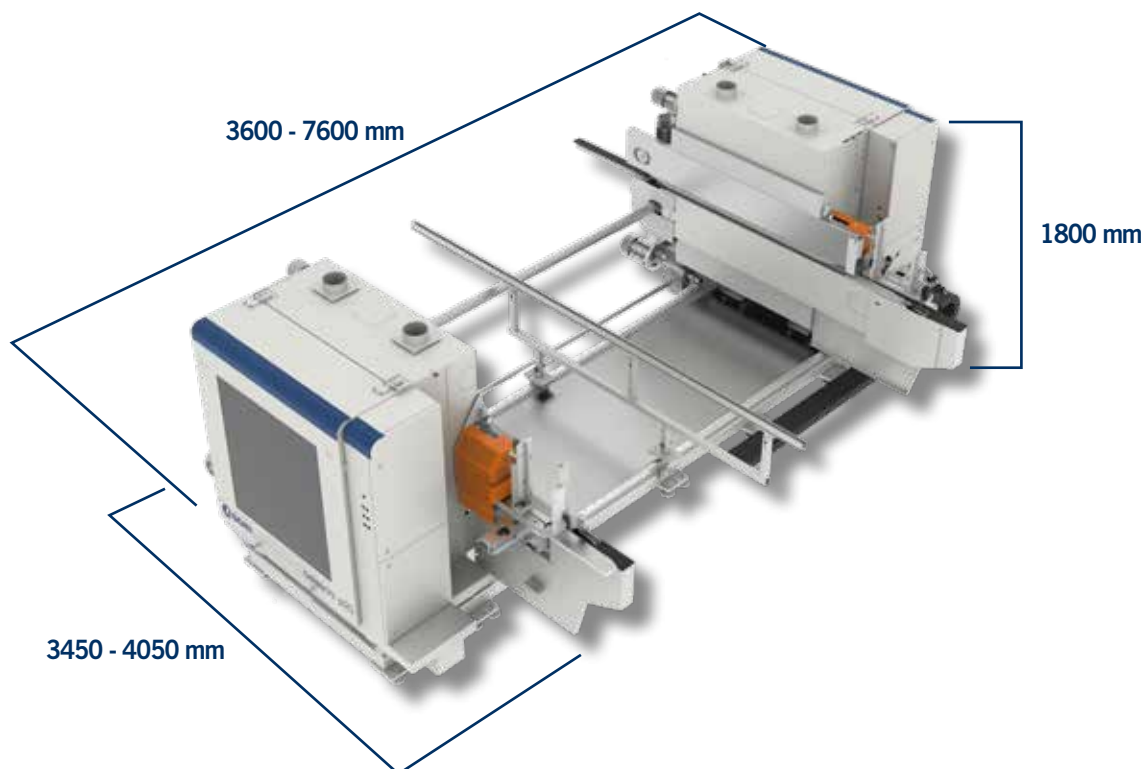
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SCM OFFERS A FULL RANGE OF **HIGHLY SPECIALISED SERVICES** WITH A QUALITY AND RELIABILITY THAT STEM FROM 70 YEARS OF EXPERIENCE IN THE INDUSTRY.

From installation and production start-up to services and maintenance. From training to the supply of specific original spare parts: **we provide solutions designed around you!**

 SERVICE AND MAINTENANCE • Remote support • Scheduled maintenance contracts • Warranty extension	 TRAINING SERVICE • Courses for machine operators • Software and programming courses • Training in production start-up
 SPARE PARTS • Recommended spare parts list • E-shop • Interactive spare-parts catalogues • Repairs on electronic parts, glue tanks and electro-spindles	 DIGITAL SERVICES • Maestro Connect - IoT platform to be constantly connected with your machines • Smartech - assistance with augmented reality • My Scm portal - opening of service ticket and single point of access to the apps and Services tools

CONTACT

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tel. +39 0541 700100
scmservice@scmgroup.com
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SCM SPAREPARTS

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spareparts@scmgroup.com
www.scmwood.com

My Scm



SOLUTIONS AND SERVICES ALWAYS CONNECTED FOR YOU

SCM, A STRATEGIC PARTNER, BY YOUR SIDE AT EACH STAGE OF YOUR BUSINESS PROCESS

SCM has always stood alongside companies in the woodworking sector, with **technological solutions and services which are constantly connected to maximise the machine's efficiency, improve product quality and reduce operating costs.**

70+ years history

3 main production sites in Italy

300.000 square metres of production space

20.000 machines manufactured per year

90% export

20+ foreign branches

400 agents and dealers

500 support technicians

500 registered patents



SCM GROUP, THE MOST ADVANCED SKILLS AND KNOW-HOW IN THE FIELDS OF MACHINERY AND INDUSTRIAL COMPONENTS OVER THE LAST 70 YEARS

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.



Woodworking
technology



Composite,
aluminium, plastic,
glass, stone, metal
technology



Technologies for the
profiles processing of
aluminium, PVC and
light alloy



Automated
systems for
industry

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems, for those of third-parties and for the mechanical industry.



Electrospindles
and technological
components



Electrical
panels



Metalworking
and mechanical
machining



Iron castings



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