double-end tenoners

celaschi p30

automatic double-end tenoner



scm
woodworking technology

THE SIMPLE BALANCE



BETWEEN QUALITY AND BUDGET



THE SOLIDITY OF A LARGE MACHINE AT AN AFFORDABLE PRICE

6
CELASCHI P30

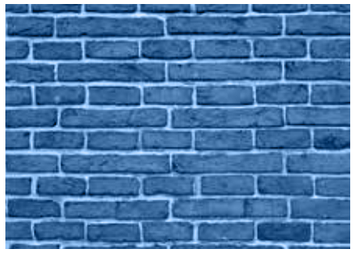
EASE OF USE



The **“entry level” solution** for quality machining, **celaschi p30** is offered in a **standard configuration** for squaring and profiling without chipping panels of any kind of material.

MAESTRO SQUARE-EASY control unit allows easy machine management within everyone’s reach.

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



The smallest model of the range includes the **high technology of Celaschi double-end tenoners** and offers it now also to small and medium companies producing panels, doors, and components, in both solid wood and non wood materials.

RELIABILITY



High quality materials 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 times.**

14
MAESTRO Software

16
Technical data

OVERVIEW OF TECHNICAL FEATURES

TECHNOLOGICAL ADVANTAGES

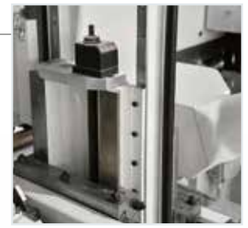
Easy machine management *within everyone's reach, thanks to MAESTRO SQUARE-EASY control unit.*



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



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



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

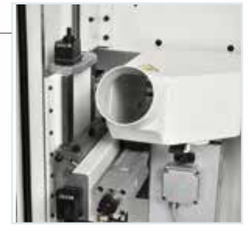
Silence, cleaning and safety *thanks to the complete protection enclosure with opening by gas springs.*

Reference guide with manual horizontal adjustment *to establish the work piece stock removal.*



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





Efficient shavings extraction *with hoods tailored to each tool.*

WORK PIECE TRANSPORT SYSTEM

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



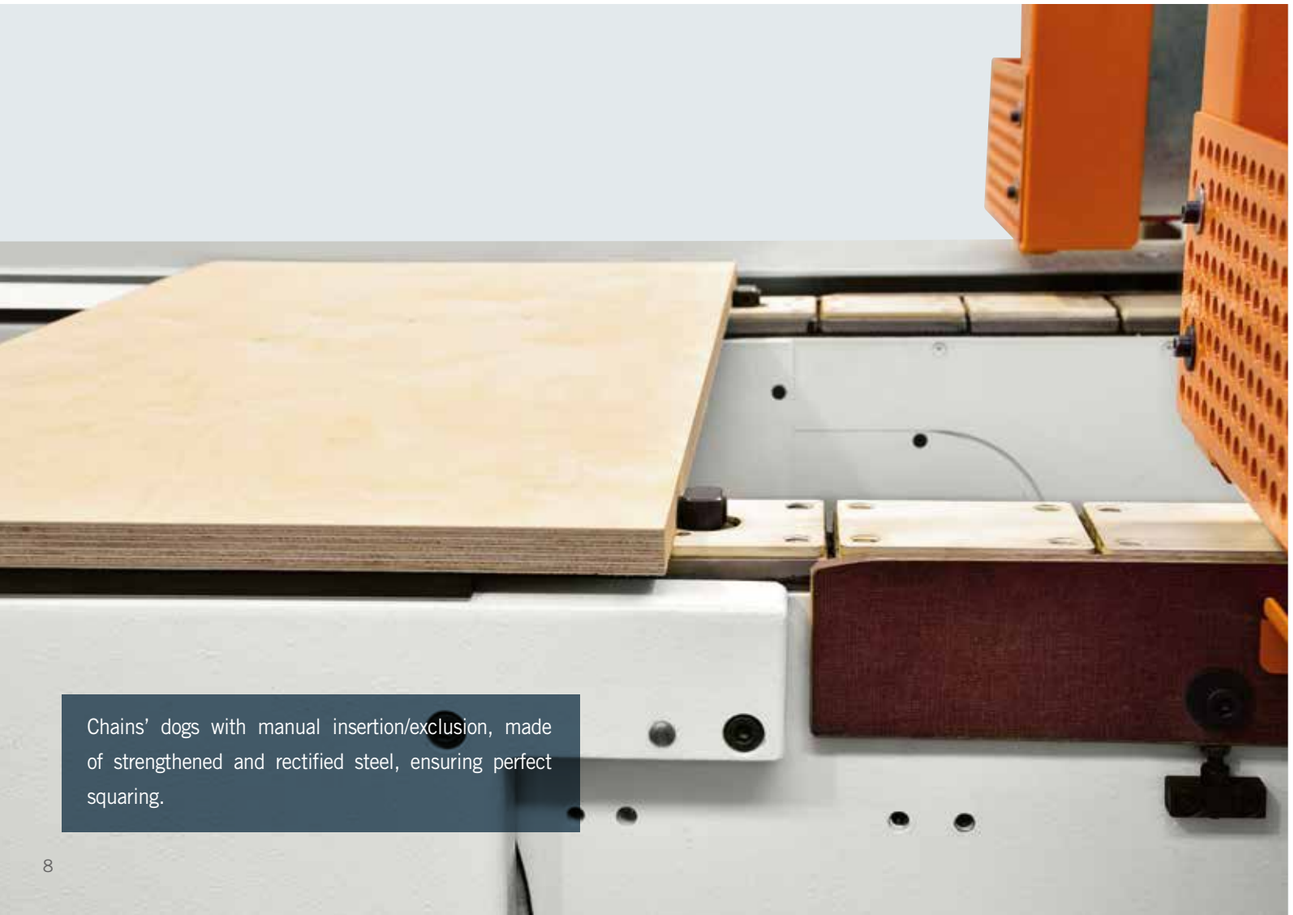
Sliding feed chain 65 mm for work pieces with minimum width 185 mm. (Dogs pitch 450 mm).



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



Feed chain tracks are the result of modern concepts aimed at ensuring high performances in terms of accuracy and durability. The coupling precision avoids the vibrations and extends thebearings life.



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



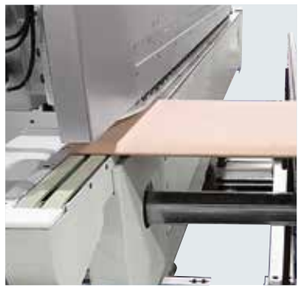
UNIFORM HOLD-DOWN OF THE WORK PIECE DURING THE ENTIRE WORK CYCLE

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.

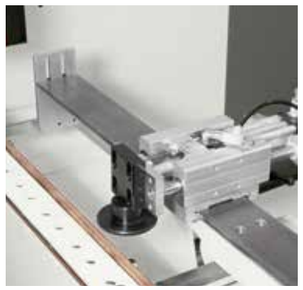
INCREASINGLY PRACTICAL



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 work piece unloading. (option)



Device for **semi-automatic feeding** of work pieces for crosswise processing. (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.



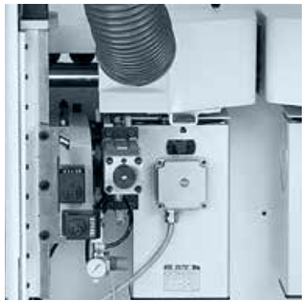
The machining units move **on dovetail guides driven by trapezoidal screws; reading of the position by mechanical readouts.**

COMPOSITION





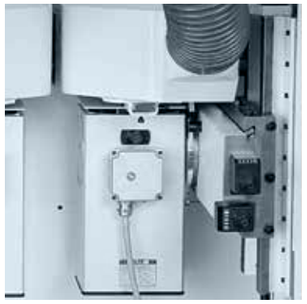
Scoring and hogging unit (3kW+6kW) adjustable by inverter
An automatic device guarantees no chipping on the workpiece bottom and rear side during crosswise processing.
Tool diameter max. 180 mm (scoring unit)
Tool diameter max. 250 mm (hogging unit)
Manual tilting (0° +10°)





Operating unit with 6kW 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 stopped grooving or anti-chipping function (option)





Operating unit with 6kW motor power at 6000 rpm (option)
Tool diameter min. 180 mm,
max. 220 mm
Manual tilting (0° +90°)



SAFETY AT THE HIGHEST LEVELS thanks to the OVERSPEED and ZEROSPEED functions.



From solid wood to PVC, from MDF to veneered panels, from chipboard to sandwich panels, celaschi p30 is ideal for squaring, profiling and executing throughfeed and/or stopped grooves on all kinds of material.

MAESTRO SUITE
THE SOFTWARE THAT MAKES YOUR WORK EASY

A PERFECT SCM SOFTWARE FOR EVERY TECHNOLOGY

MAESTRO SQUARE

Programming and supervision of double-end tenoners.

The custom graphics of the EASY version facilitates the execution of the main functions in a simple and intuitive way:

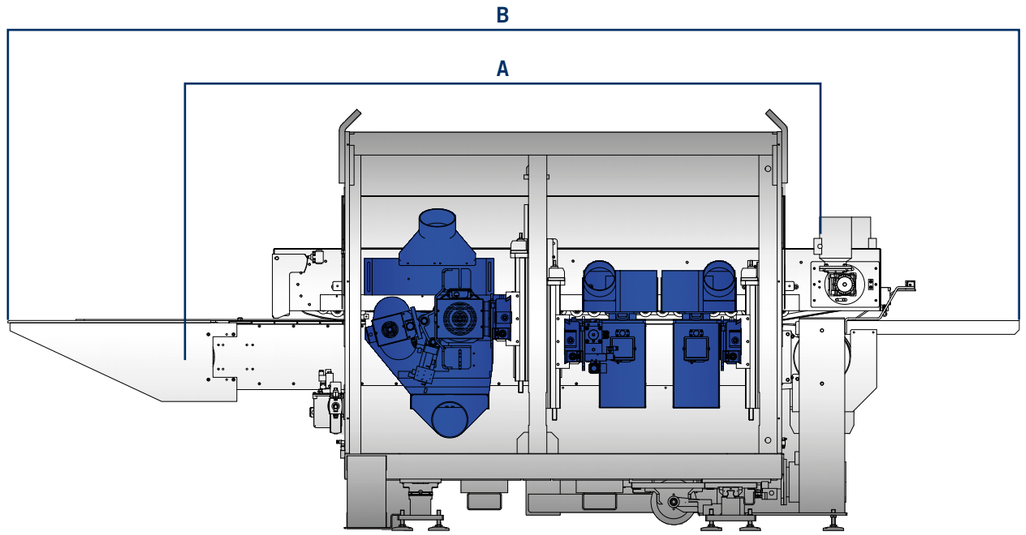
- Creation of programs
- Control of the operating units (speed and rotation direction)
- Display of all machine parameters
- Statistical processing data: number of pieces and meters processed, hours of use, etc.



All machine management softwares are proprietary, specially created by SCM engineers and continuously refined based on operational feedback received from our customers. The result is an extremely simple and reliable user interface, able to perfectly meet the needs of the most demanding operator.

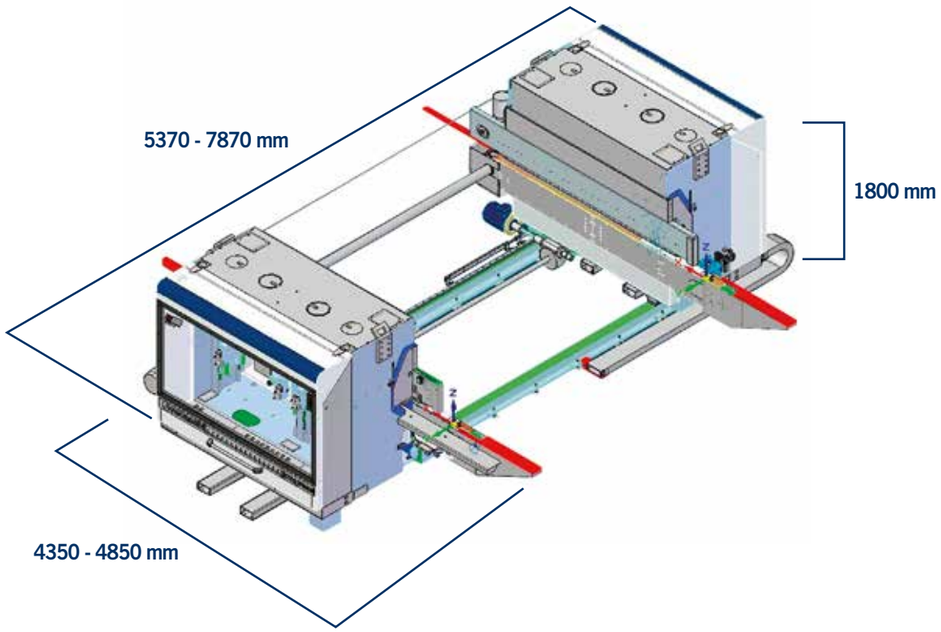


TECHNICAL DATA



Feed chain type	A [mm] Chain tracks centre distance	B [mm] Total Length
Sliding feed chain CS90	2800	4435
Sliding feed chain CS90	3200	4835
Sliding feed chain CS65	2700	4335
Sliding feed chain CS65	3150	4785

WORK PIECE TRANSPORT SYSTEM		
Speed	m/min	4 - 24
Dogs pitch	mm	400 - 450 - 800
MOBILE BEAM		
Maximum beam opening	mm	3100 o 5600
Positioning speed	m/min	2
WORK PIECE DIMENSIONS		
Width	mm	185 - 5600
Thickness	mm	3 - 150





ENERGY ONLY WHEN YOU NEED IT

Sav€nergy 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.

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 prescribed by CE Norms.

Maximum recorded noise levels based on functioning parameters established by ISO 7960 - 1995 Annex E. Acoustic pressure while working 85 dB(A) (measuredaccording 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 the8 hours, these also depend on the specific functioning conditions, length of exposure, acoustics characteristics of the working environment and by the presence ofadditional sources of noise, that is the number of machines and adjacent processes.

PROMPT AND EXPERT TECHNICAL SUPPORT THROUGH **A NETWORK OF 1000 TECHNICIANS AND AN INVENTORY OF 36,000 SPARE PARTS.**

HIGHLY SPECIALISED TECHNICIANS, EFFICIENT MANAGEMENT AND 6 SPARE PARTS BRANCHES AROUND THE WORLD GUARANTEE A CLOSE, SAFE AND EFFECTIVE TECHNICAL SUPPORT.

SERVICE

SCM provides a service that goes beyond the purchase, to guarantee the long term performance of your technological production system and peace of mind for your business.

A COMPLETE RANGE OF AFTER-SALES SERVICES

- installation and start-up of machines, cells, lines and systems
- tailored training programs
- telephone support to reduce times and costs when machines are not working
- preventive maintenance programs to guarantee long term performance
- complete renovation of machines and plants to renew the added value of the investments
- custom upgrading to update machines and plants and meet new production requirements

SPARE PARTS

SCM Group can count on 140 spare parts professionals worldwide to meet any request with real time shipments.

36,000 SPARE PARTS
Our spare parts inventory, with a value of 12 million euros, covers every single machine

SPARE PARTS GUARANTEED
We guarantee also hard to find parts, with 3,5 million euros invested in “critical“ spare parts.

IMMEDIATE AVAILABILITY
Over 90% of orders received are carried out the same day thanks to the huge inventory available.

6 BRANCHES AROUND THE WORLD
The spare parts service can count on worldwide support (Rimini, Singapore, Shenzhen, Moscow, Atlanta, São Bento do Sul

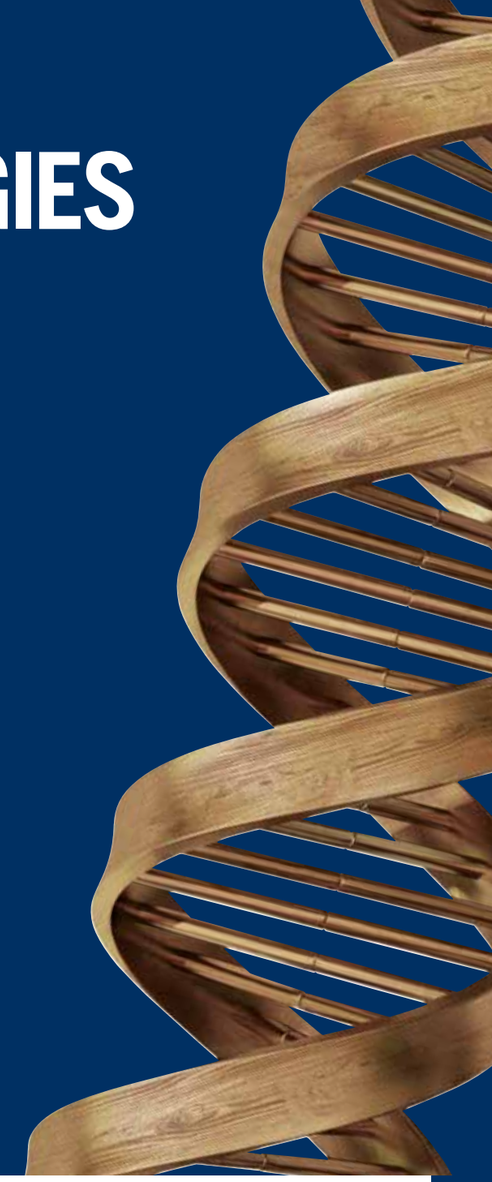
500 SHIPMENTS A DAY



THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND
Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65 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



In SCM’s DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and components for machining the widest range of materials.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY

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

- scm — WOODWORKING TECHNOLOGIES
- Cms — TECHNOLOGIES FOR PROCESSING COMPOSITE MATERIALS, ALUMINIUM, PLASTIC, GLASS, STONE, METAL

INDUSTRIAL COMPONENTS

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

- HITECO — SPINDLES AND TECHNOLOGICAL COMPONENTS
- es — ELECTRIC PANELS
- steelmec — METALWORK
- scmfonderie — CAST IRON

scm woodworking technology | *is more*

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SCM GROUP SPA
via Casale 450 - 47826 Villa Verucchio, Rimini - Italy
tel. +39 0541 674111 - fax +39 0541 674274
celaschi@scmgroup.com
www.scmwood.com

