

# superset tx

automatic throughfeed moulder



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## automatic throughfeed moulder

Superset TX is the ideal solution for producing prismatic profiles, frames, profiles and linear parts for windows, doors, furniture, garden furniture, boat furniture, etc. Available in customised compositions and with equipment based on the profiles and dimensions of the work pieces being realised.

### INCREASED PRODUCTIVITY

Competitive for small batch production, it can also be used by less skilled operators. Cost reductions.

### WIDE RANGE OF OPTIONS

Maximum possibilities to meet market requirements.

### GREAT VERSATILITY AND PERFORMANCE

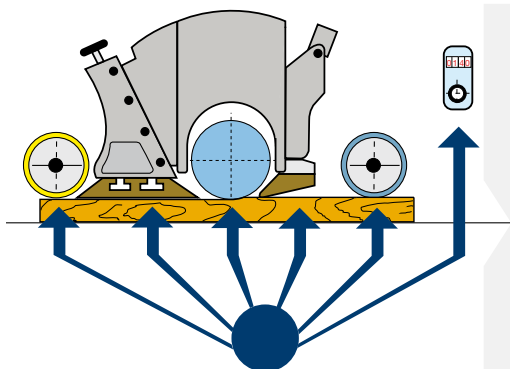
All the necessary tools are always available on the machine.





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technological advantages



## SET-UP TIMES REDUCED TO A MINIMUM

The SET- UP system allows the operator to change tools and perform adjustments in just a few seconds.



## HIGH VARIETY OF PROFILES

Compositions with 6 to 10 spindles, long axial strokes, substantial stock removal depth and with HSK technology.



## EASE OF USE

The MOBILE PC electronic control makes machine programming intuitive. Clear and precise information are always available, thanks to detailed reports.





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standard equipment

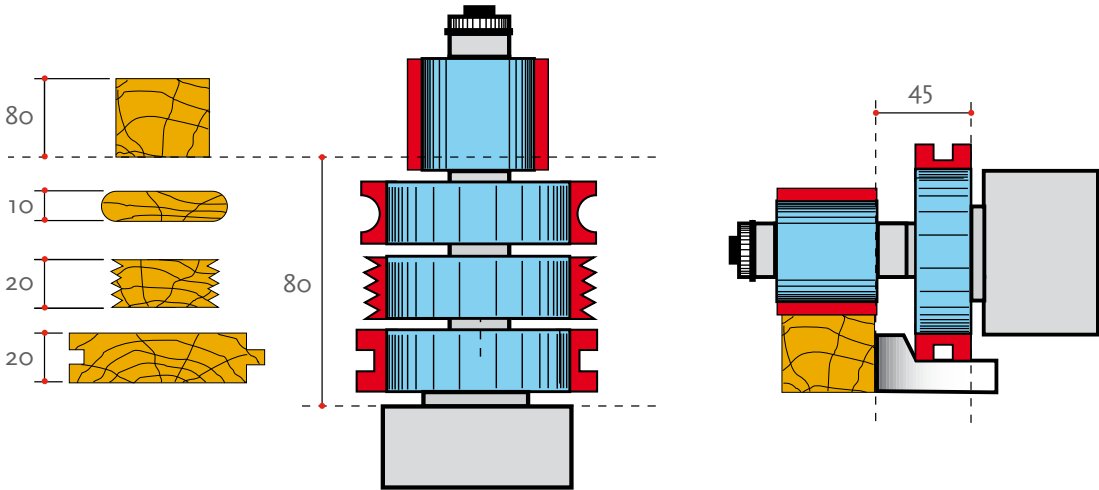
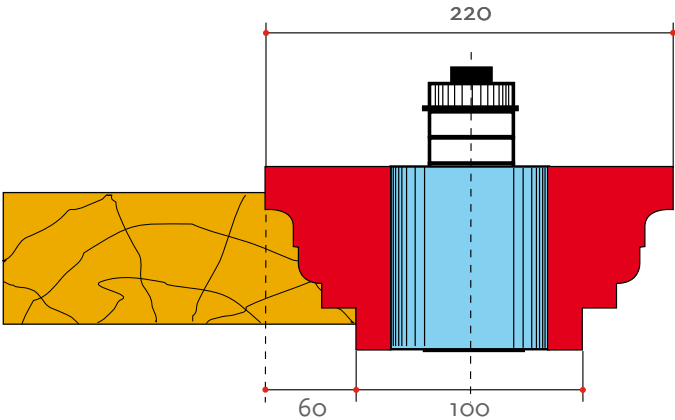
### MACHINE BED

To achieve a high quality finished product, the machine structure must be rigid and solid. Superset TX is constructed with a single block base in thick steel.



### PERFORMANCES

Heavy duty stock removal up to 60 mm and long axial strokes: up to 80 mm on vertical spindles and 45 mm on horizontal spindles.

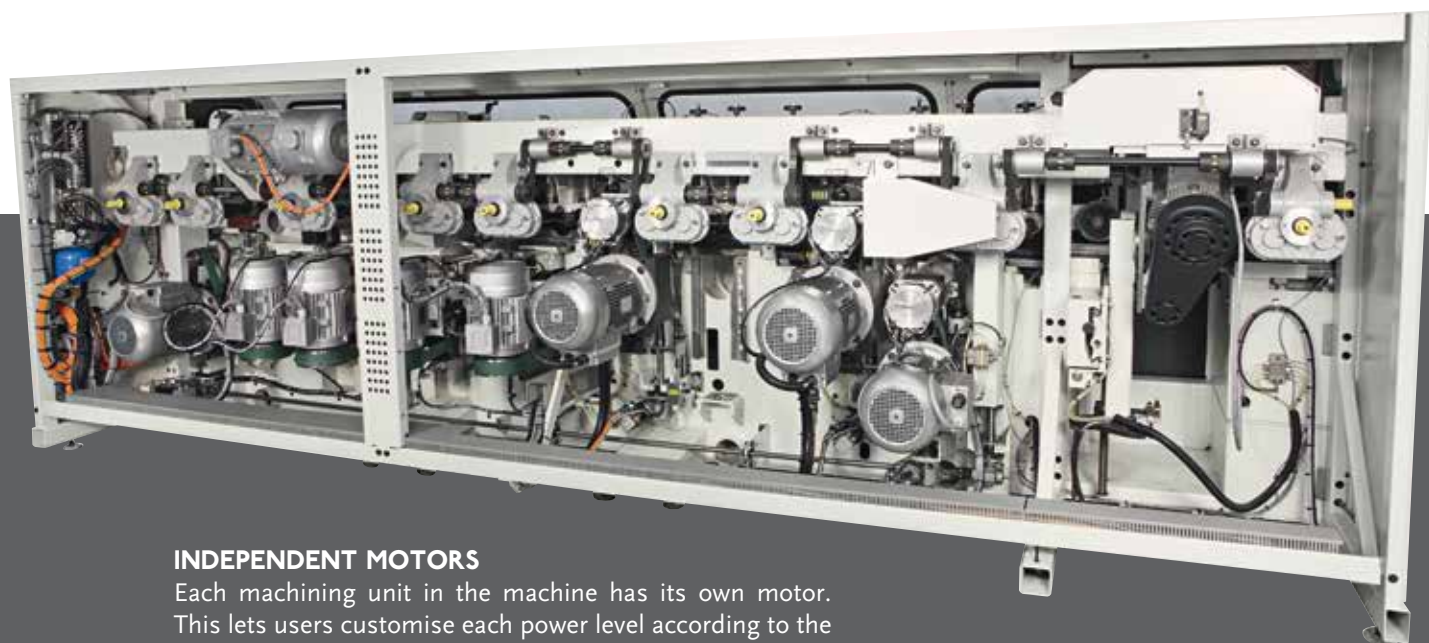






### FEED SYSTEM

The high number of feed wheels ensures that the workpiece is fed correctly, without jamming. The feed system is constructed with gear boxes and universal cardan joints driven by powerful motors that can handle the most demanding conditions.

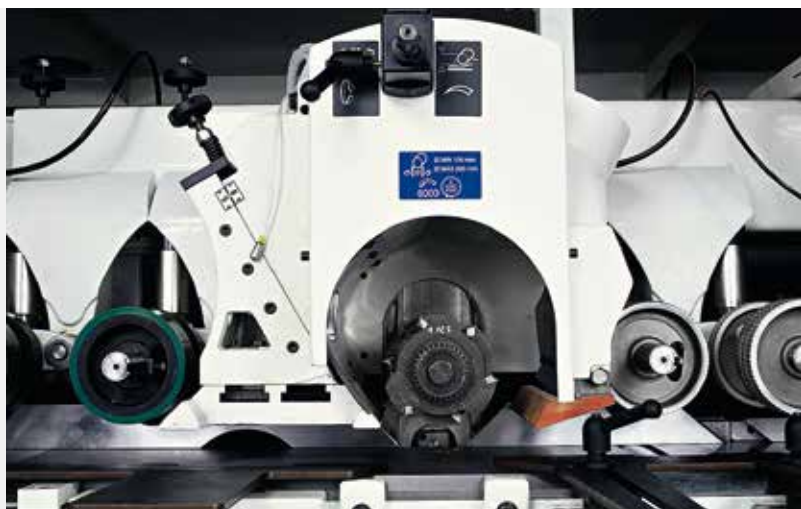
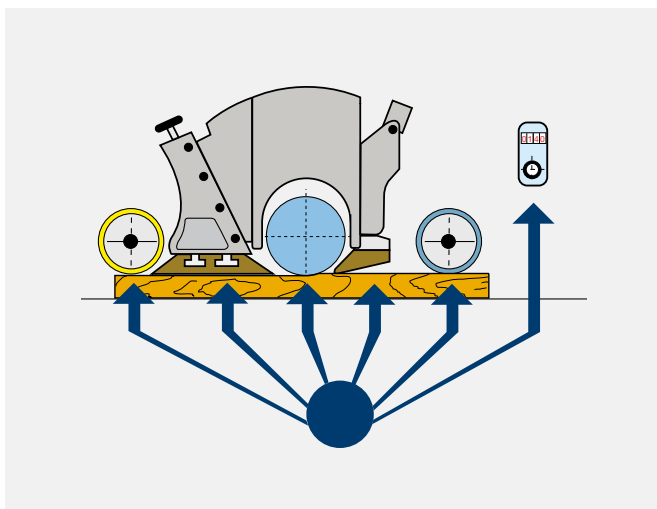


### INDEPENDENT MOTORS

Each machining unit in the machine has its own motor. This lets users customise each power level according to the profiles being produced.

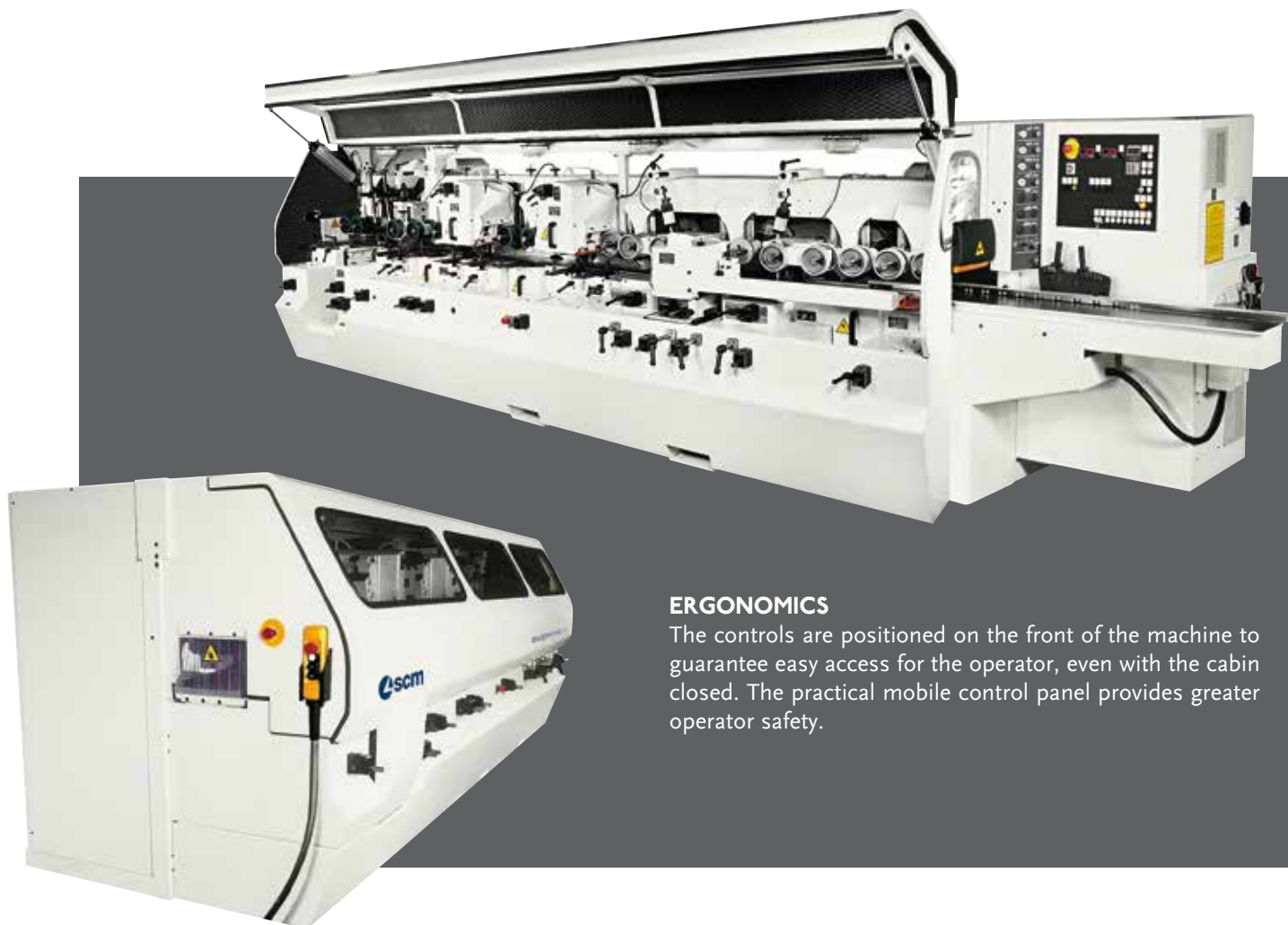
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standard equipment



## SET UP

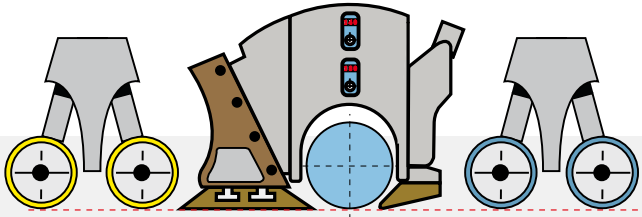
Setup machine reduces down times and eliminates the possibility of errors. Tool changes and adjustments can be carried out by setting the minimum tool diameter.



## ERGONOMICS

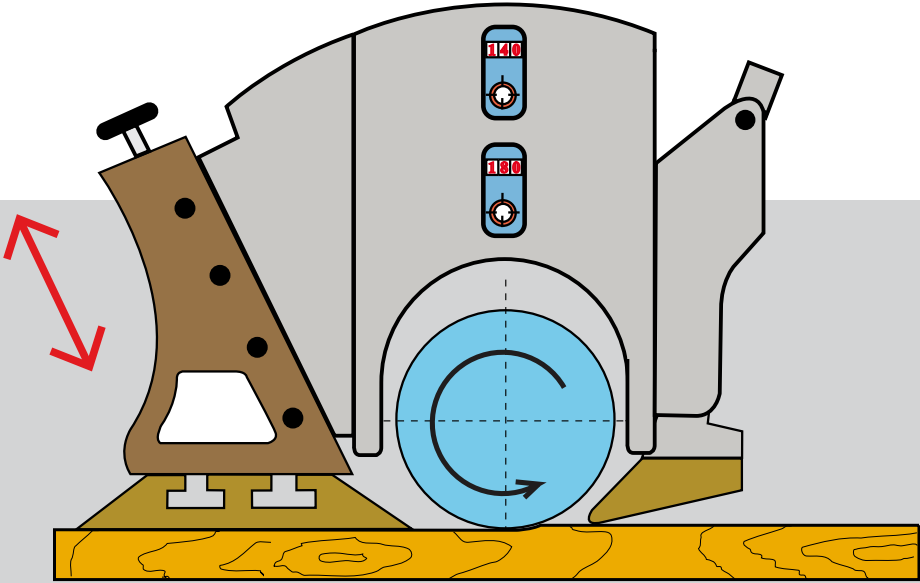
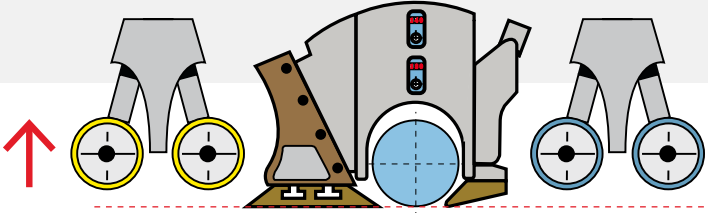
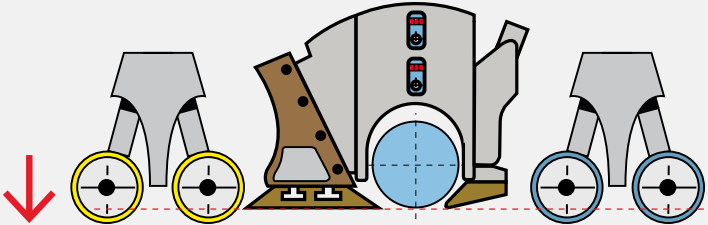
The controls are positioned on the front of the machine to guarantee easy access for the operator, even with the cabin closed. The practical mobile control panel provides greater operator safety.





**AUTOMATIC ALIGNMENT DEVICE**

Due to the presence of the independent lifting from the horizontal spindles, the feed system can be aligned or misaligned in relation to them. This allows the machining of batches with different thicknesses and the quickly free pieces are held down.



**PRESSER SHOE**

A presser shoe with tilting movement is fitted at the outfeed to the upper horizontal units to guarantee that the workpieces are pressed correctly and avoid blockages or lifting to ensure an optimal finish.

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options



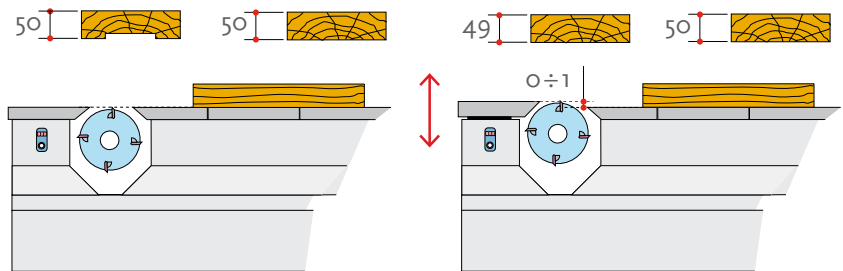
## T-SET TOOLS LOCKING DEVICE

Due to the use of a compressed air gun, supplied with the machine, tool changes are even simpler and faster.



## SPINDLES WITH HSK TAPER

To ensure working with small batches is more profitable, by reducing the tool change times, the machine can be fitted with spindles using HSK tapers. The HSK technology can be used for all types of tools, disposable knives or knives that can be re-sharpened.



### MICROMETRIC ADJUSTMENT OF THE WORKTABLES

The height of the worktable can be adjusted after the lower horizontal spindles. This allows users to perform partial or total machining operations also with these units.



### UNIVERSAL SPINDLE

360° adjustable unit designed to reach all work positions and guarantee further machine flexibility. A command on the front of the machine is used to lock it in position.

### ROLLERS IN THE WORKTABLE

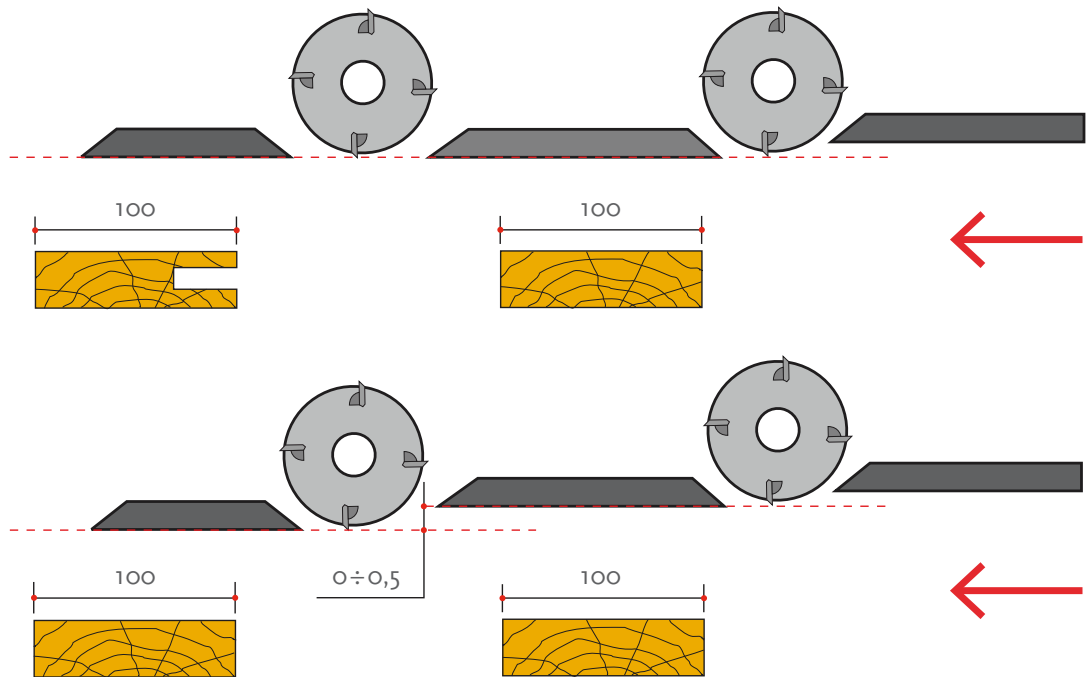
The machine can be fitted with motor driven rollers, integrated in the table, to guarantee a regular sliding movement of the workpiece, even with hard, resinous or very wet timber.





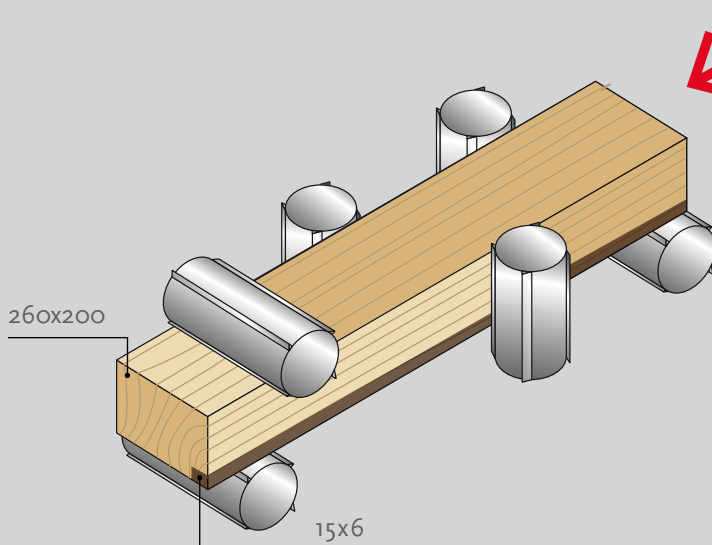
# superset tx

options



## ALIGNMENT/MISALIGNMENT RIGHT FENCE PNEUMATIC DEVICE

On/off pneumatic horizontal positioning for the first right vertical spindle and fence included between the right verticals with the selector, to perform partial or complete profiles on the second right spindle.



## MACHINING CAPACITY

The ideal machine for all types of machining (building, joinery, carpentry, furniture), thanks to the wide range of workpiece dimensions that can be machined.

The minimum section that can be machined is 15x6 mm.

The maximum section that can be machined is 260x200 mm.



#### SPINDLE LOCK

Pneumatic device, located on the front of the machine, used to lock the spindles in position and guarantee optimal finishing levels of the workpiece.



#### TANDEM UNIT

Reduces the axial distances and improves the workpiece feed system thanks to more feed wheels gripping the workpiece.



#### LEFT VERTICAL SPINDLE AUTOMATIC ADJUSTMENT DEVICE

Allows users to machine sequences of workpieces with different widths automatically, without the machine stopping to reset different measurements.



#### GROOVED WORKTABLE

Grooved worktable for machining short or badly trimmed parts.

# M Maestro Digital Systems

SMART SOFTWARE AND DIGITAL SERVICES TO ENHANCE PRODUCTIVITY OF WOODWORKING AND FURNITURE INDUSTRIES.

**Maestro** active

**Factory**

## SOFTWARE

**Simple, smart and open.**

Maestro software are tailored on the machine technology as well as on the entire process. All Maestro software share a common mission:

**easy to use**, so that any operator can easily and confidently learn and use the software

**smart**, with algorithms and computing modules aiming at the best possible result

**open** in order to integrate existing software, and provide customer the coverage of all his process.



SCM accompanies woodworking companies throughout their whole process combining machines with matching software solutions and digital services, with a constant strive to enhance company productivity.



**Console eye-M: smart, fair, interactive, effortless, revolutionary**

SCM innovative touch screen console eye-M allows a comfortable easy navigation and use of the standardized user interface Maestro active.

Console eye-M is characterized by a full widescreen monitor (21.5") to ensure an effortless, convenient experience.



# Maestro active 4-side

## EASE OF USE

The new interface has been specifically designed and optimized for immediate use via touch screen. Graphics have been redesigned for simple and comfortable navigation, with tablet-like icons on touch screen controller.

## “ZERO” ERRORS

Improved productivity thanks to guided procedures that reduce the possibility of error from the operator’s side.

# SOFTWARE



## Factory

# Maestro active 4-side

The MOBILE PC electronic control allows intuitive machine programming, combining the eye-M console and the Maestro active 4-side software.

## FULL CONTROL OF PRODUCTION PERFORMANCES

The creation of customizable reports by operator, shift, program, forecast period (and much more) allows to monitor, optimize and improve the production performance.

## ORGANIZE YOUR PRODUCTION

Maestro active allows to create different users with different roles and authorizations (e.g.: operator, maintainer, administrator, ...).

Any user can only execute the functions whose permissions have been assigned to him. It is also possible to define the work shifts on the machine and then detect activities, productivity and events that occurred in each shift.

## TOTAL QUALITY OF THE FINISHED PRODUCT

With Maestro active the quality of the finished piece is no longer put at risk by worn tools. The new Maestro active Tool Life Determination system sends notification messages as the tool reaches its end of life and recommends its replacement at the most appropriate time.

## TOOLS? NO PROBLEM!

Maestro active guides the operator during the tool change phase, taking into account the programs to be executed.

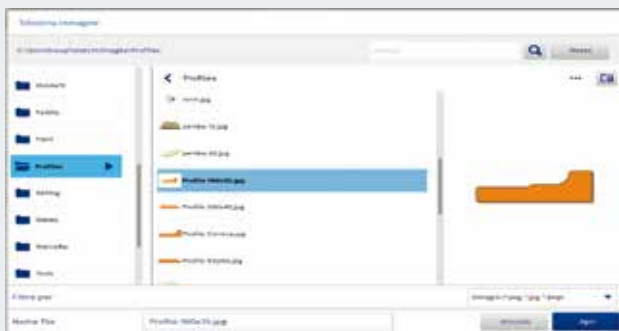
## EASY TO USE

Main functions:

- customization of layout and options, specific to each machine composition
- tool library without number limits, with import of profile image
- work programs without number limits, with import of profile image
- MDI (Memory Data Input) function for guided manual adjustment of axes
- axes management with electronic adjustment, speed of towing, power on/off of motors, spindle rotation speed (if the inverter is included)
- tele-service and input/output display
- detailed reporting on the machine use
- guided operations by software during manual machine set-up



Customization of layout and options, specific to each machine composition.



Profile image management.



Tool image management.



Tele-service and input/output display.



Guided operations by software during manual machine set-up.



MDI (Memory Data Input) function for guided manual adjustment of axes.



Display of the tools wear status.



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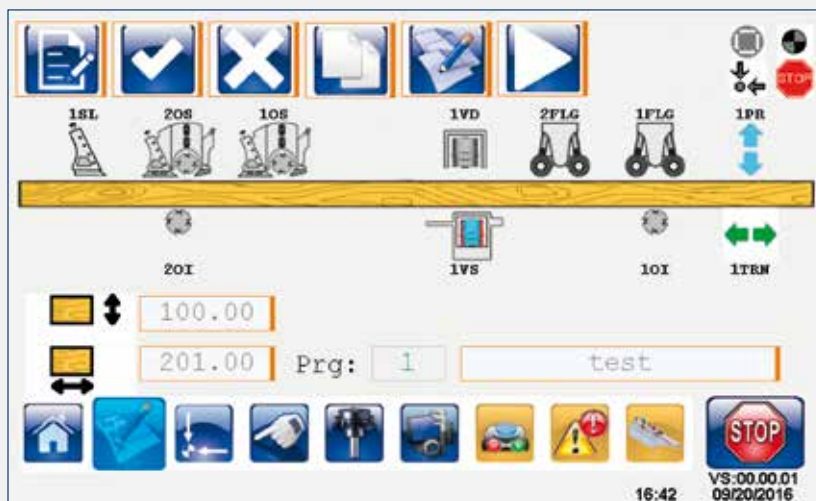
## electronic adjustments

### CONTROL I0

Electronic control based on industrial PLC, with 7" colour touch screen monitor.

Main functions:

- programming by menu with icons
- customization of layout and options, specific to each machine composition
- management of up to 8 electronic axes
- pre-arrangement for tele-service and input/output display
- backup for data saving and restoring
- storage of 999 programs
- storage of 999 tools



### PRESET 50

Device for measuring min./max. tool diameter and tools axial position.

Thanks to "GT SOFT" software, it is possible to elaborate the data and directly update the tool charts of the machine with MOBILE PC.



**ELECTRONIC SET UP**

For the most demanding situations all the movements can be electronically controlled, including the setting up.



**WHEELS AT THE LEFT VERTICAL WITH ELECTRONIC MOVEMENT**

Allows the optimal positioning of the wheels in front of the left vertical, based on the workpiece width, to guarantee greater precision and finish and reduce machine tool changing times.



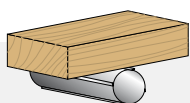
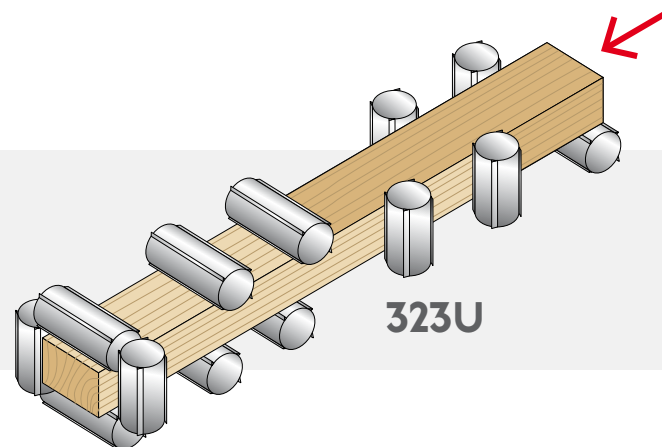
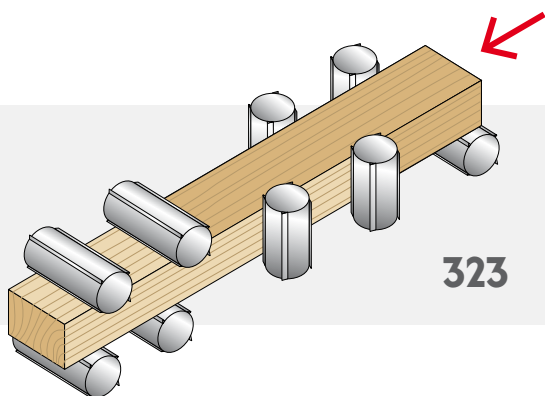
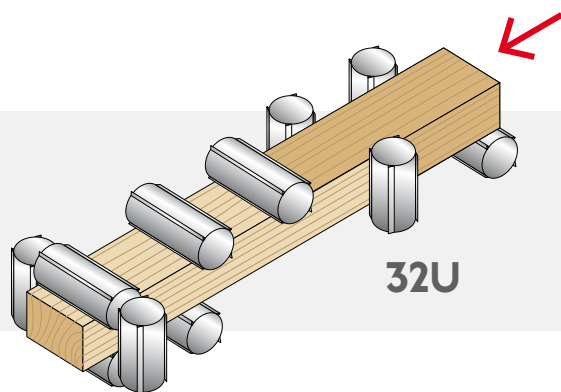
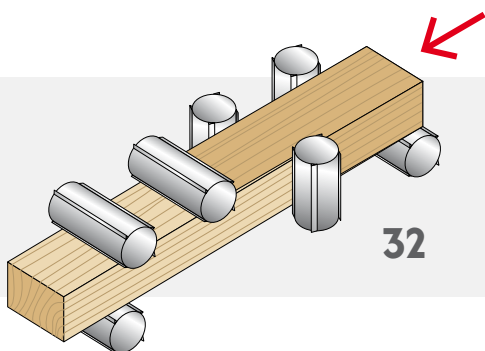
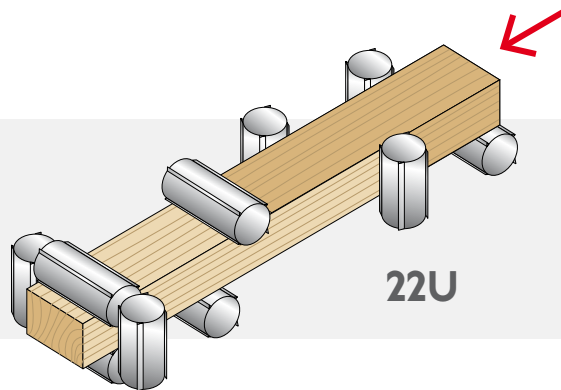
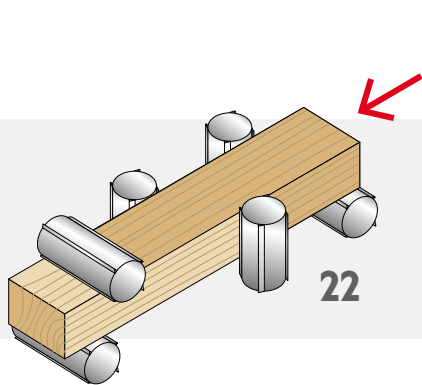
**ELECTRONIC LEFT FENCE**

The electronic left fence, after the left vertical spindle, allows the automatic alignment to the minimum tool diameter and guarantees the correct workpiece pressure against the right fences, without requiring any intervention from the operator.

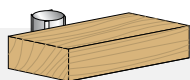


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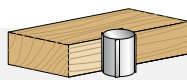
machine compositions



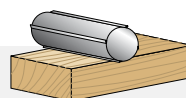
BOTTOM  
HORIZONTAL  
SPINDLE



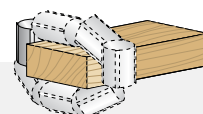
RIGHT  
VERTICAL  
SPINDLE



LEFT  
VERTICAL  
SPINDLE



TOP  
HORIZONTAL  
SPINDLE



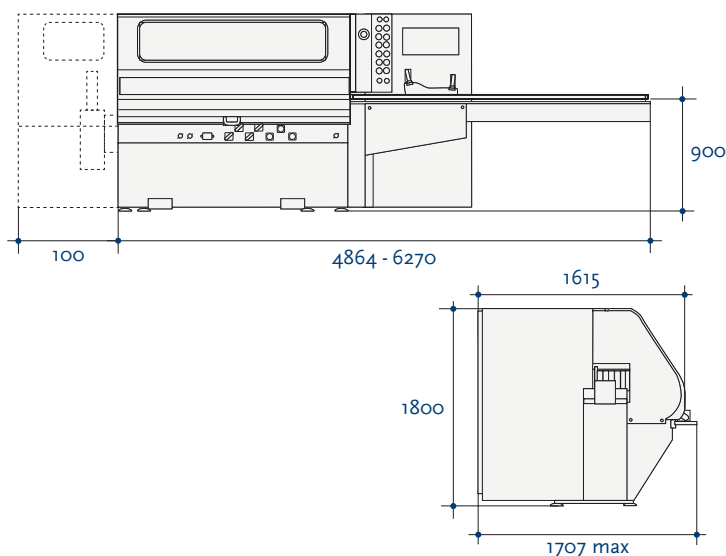
UNIVERSAL  
SPINDLE



## SUPERSET TX

## Technical specifications

AUTOMATIC THROUGHFEED MOULDER	SUPERSET TX	
Minimum / Maximum working width (finished section)	mm	15 / 260
Minimum working thickness (finished section)	mm	6
Minimum workpiece length (single piece)	mm	640 (470 opt)
Feed speed	m/min	6 - 36
Motor power	HP (kW)	5,5 (4)
Spindle speed	rpm	6000
Tool spindle diameter	mm	40
Axial adjustment of vertical spindles from worktable	mm	80
Axial adjustment of horizontal spindles from right guide	mm	45
Min./Max. diameter of planer tool	mm	120 / 140
Min./Max. diameter of moulder tool	mm	100 ÷ 220
Chuck holder cylinder diameter	mm	120



## MAIN OPTIONS

- Motor power up to 25 HP (18,5 kW)
- Speed up to 60 m/min
- Spindles with HSK tool holder
- Chrome-finish tables and fences
- Grooved worktable
- Automatically adjusted left-hand vertical spindle
- Spindle speed of rotation 8300 rpm
- Set-up for cutting with multiple blades
- Electronic control

## NOISE AND DUST

model	Sound emission according to ISO 796095/H				Sawdust emission according to DIN-33893-2			
	Operator position LA eq [dB (A)]				[mg/m <sup>3</sup> ]			
	Workpiece infeed		Workpiece outfeed		1st station	2nd station	3rd station	4th station
	Machine idle	Machine working	Machine idle	Machine working				
SUPERSET TX	76,5	90,5	68,6	84	0,34	0,32	0,20	0,37

**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.*

# WE'LL GO THE EXTRA MILE FOR YOU



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!**

 <p><b>SERVICE AND MAINTENANCE</b></p> <ul style="list-style-type: none"> <li>• Remote support</li> <li>• Scheduled maintenance contracts</li> <li>• Warranty extension</li> </ul>	 <p><b>TRAINING SERVICE</b></p> <ul style="list-style-type: none"> <li>• Courses for machine operators</li> <li>• Software and programming courses</li> <li>• Training in production start-up</li> </ul>
 <p><b>SPARE PARTS</b></p> <ul style="list-style-type: none"> <li>• Recommended spare parts list</li> <li>• E-shop</li> <li>• Interactive spare-parts catalogues</li> <li>• Repairs on electronic parts, glue tanks and electro-spindles</li> </ul>	 <p><b>DIGITAL SERVICES</b></p> <ul style="list-style-type: none"> <li>• Maestro Connect - IoT platform to be constantly connected with your machines</li> <li>• Smartech - assistance with augmented reality</li> <li>• My Scm portal - opening of service ticket and single point of access to the apps and Services tools</li> </ul>

**CONTACT**

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# THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

## SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

70 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.

**70** years history

**3** main production sites in Italy

**300.000** square metres of production space

**20.000** machines manufactured per year

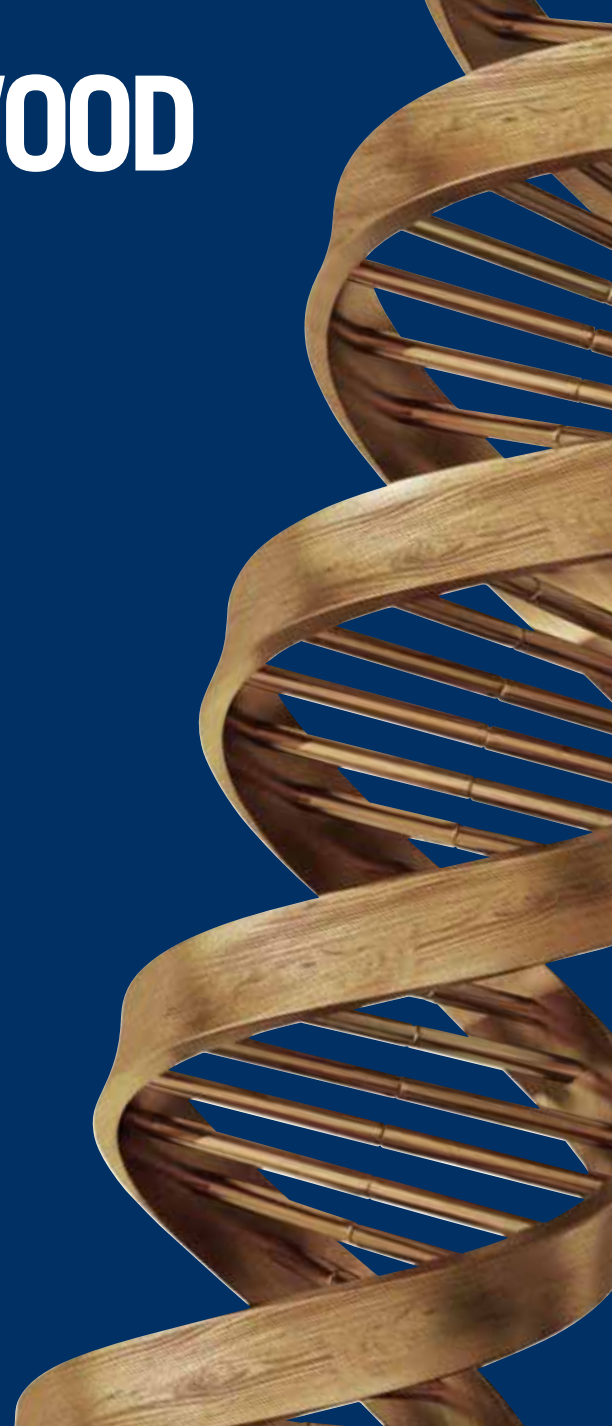
**90%** export

**20** foreign branches

**400** agents and dealers

**500** support technicians

**500** registered patents



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.



WOODWORKING TECHNOLOGIES



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.



SPINDLES AND  
TECHNOLOGICAL  
COMPONENTS



ELECTRIC PANELS



METALWORK



CAST IRON





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