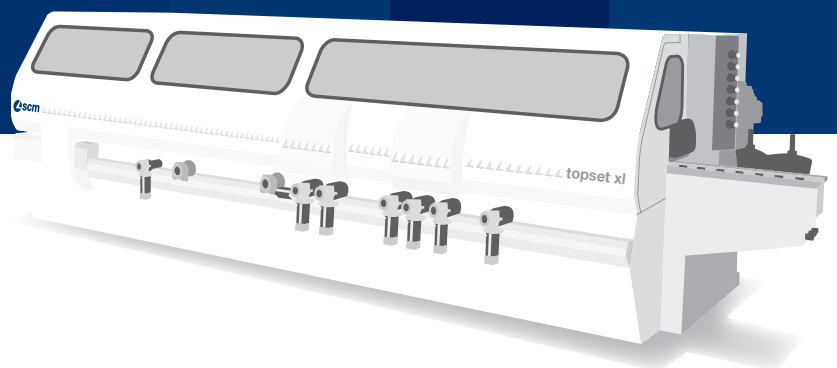




topset xl

automatic **throughfeed** moulder



topset xl

automatic **throughfeed moulder**

Topset XL 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. 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.

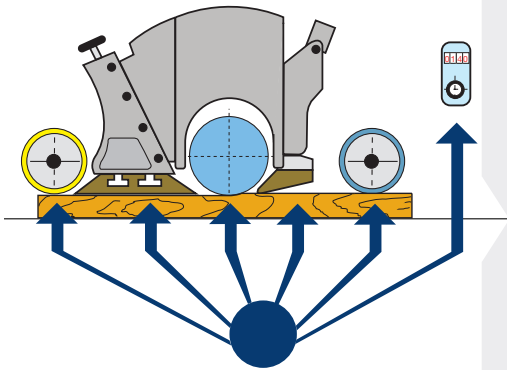


-  rip saw
-  cutting
-  **planing**
-  **profiling**
-  tenoning
-  boring-routing
-  packing



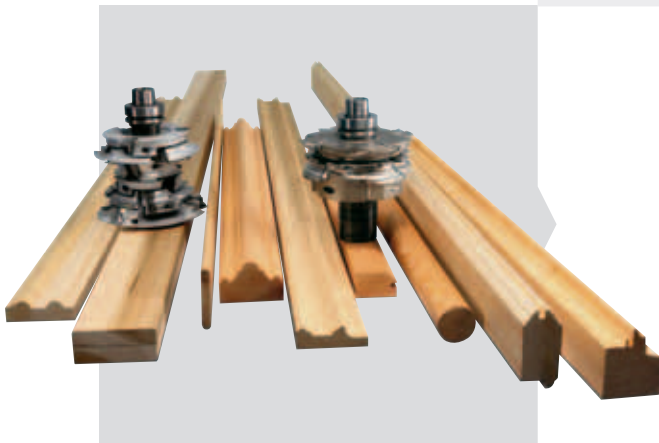
topset xl

technological **advantages**



SET-UP TIMES REDUCED TO A MINIMUM

The patented "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.



USER-FRIENDLY CONTROLS

The new "WATCH" supervisor, with its clear and precise graphics, guarantees easy machine management in terms of programming, clear alarms and reports (productivity, alarms, rejects, etc.).



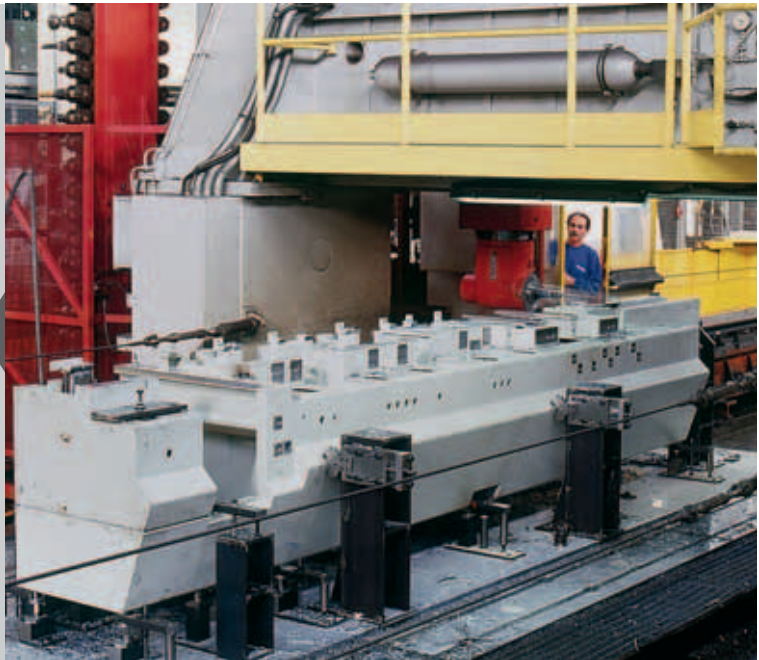
topset xl

standard equipment

MACHINE BED

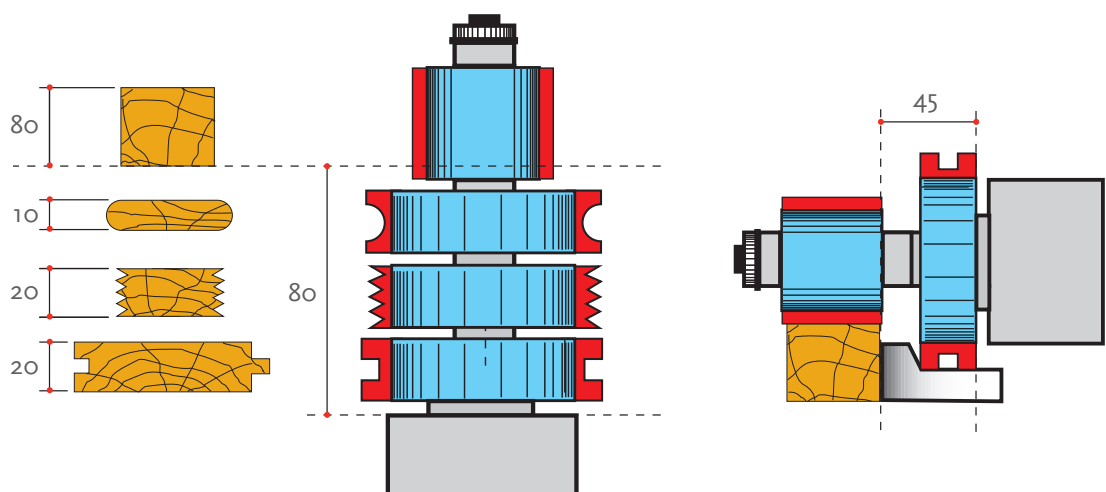
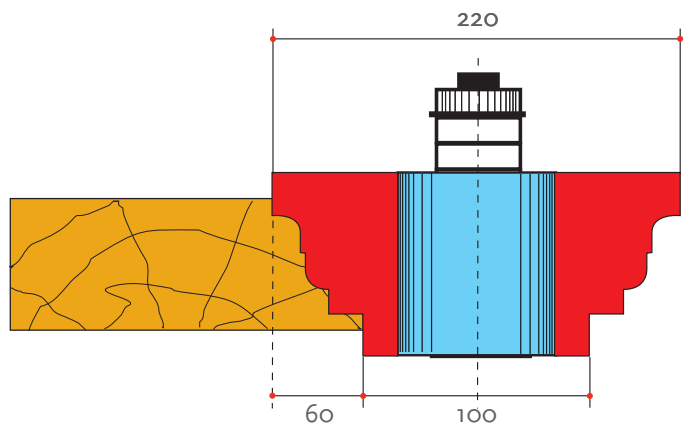
To achieve a high quality finished product, the machine structure must be rigid and solid.

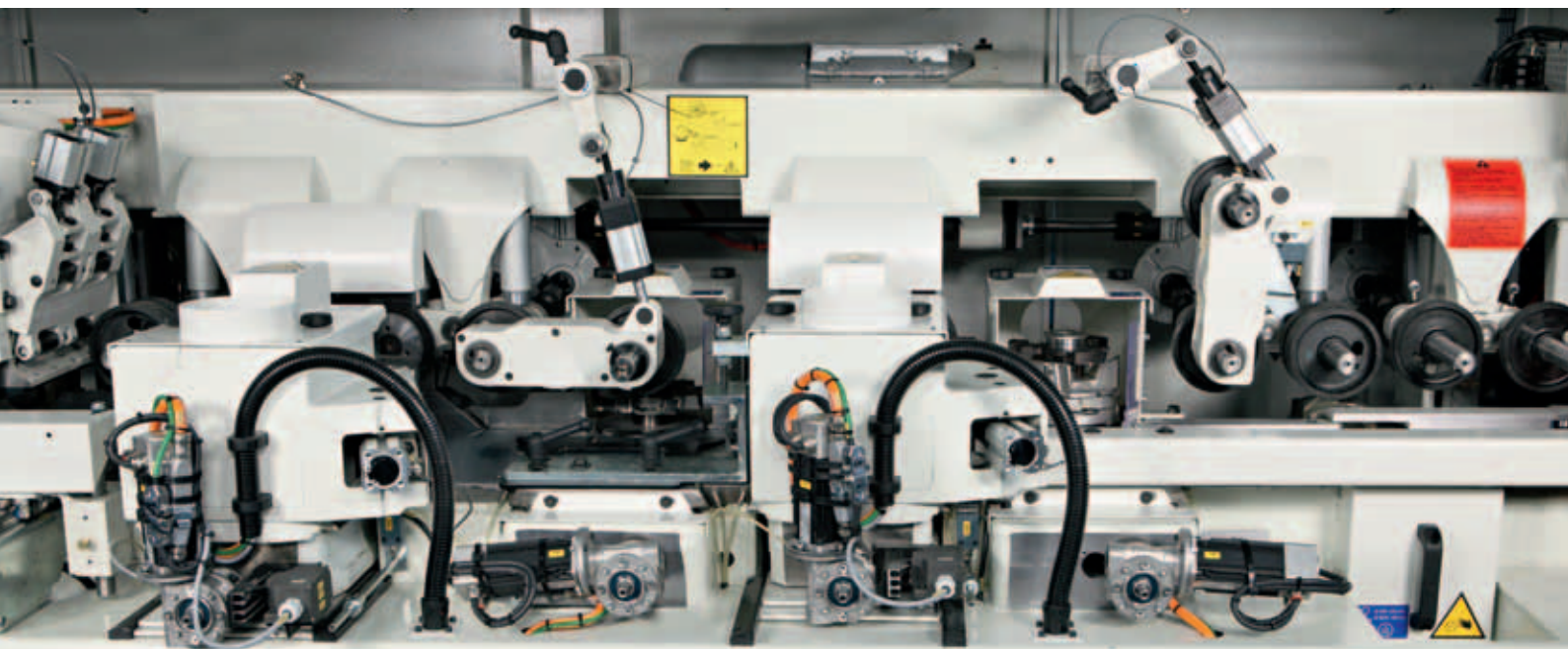
Topset XL is constructed with a single block base in thick steel.



PERFORMANCES

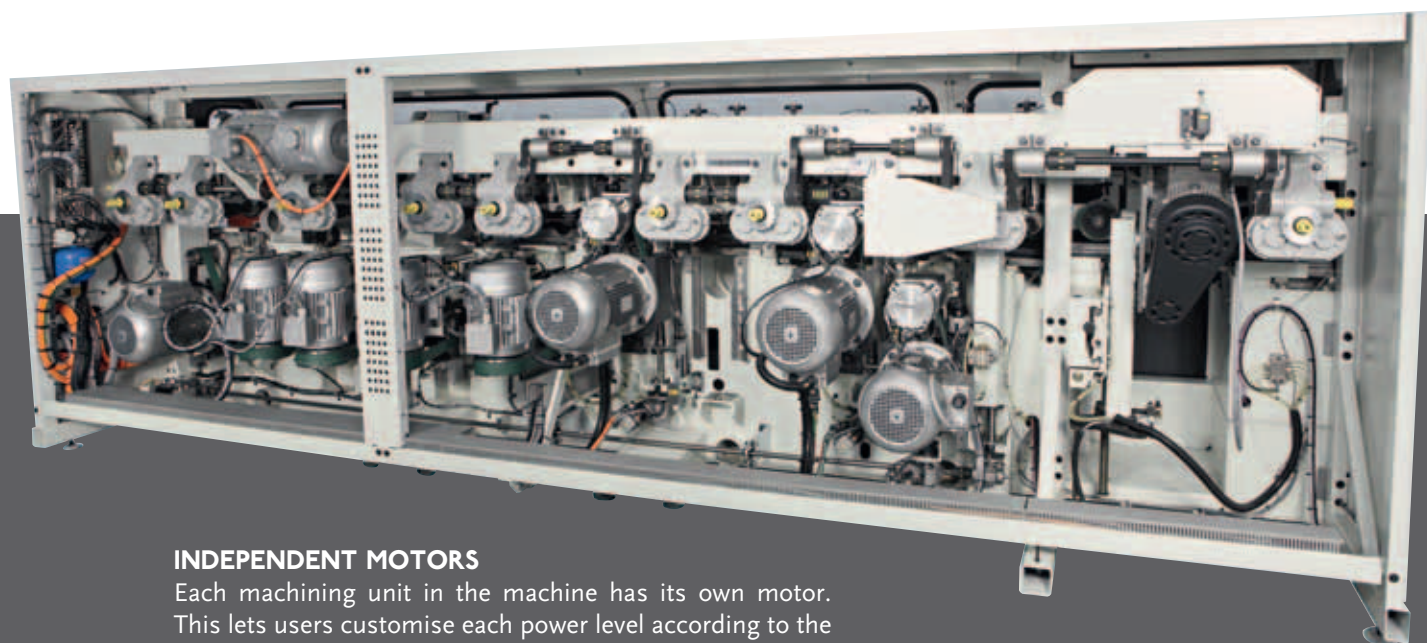
Heavy duty stock removal up to 60 mm and long axial strokes: up to 80 mm on vertical spindles and 45 mm on horizontal spindles.





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.

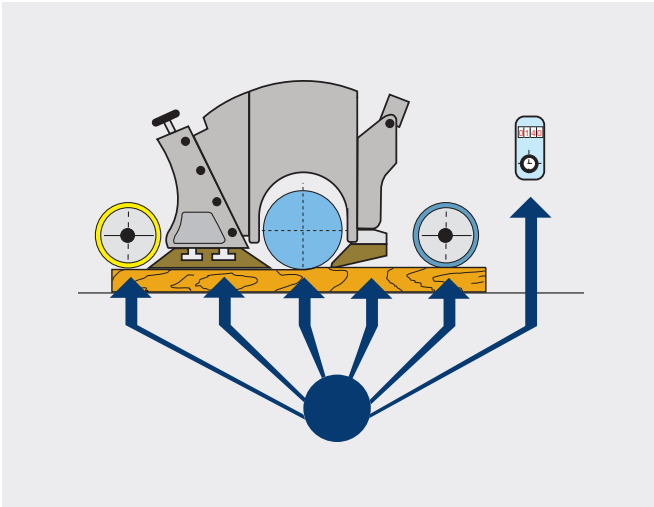


INDEPENDENT MOTORS

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

topset xl

standard equipment



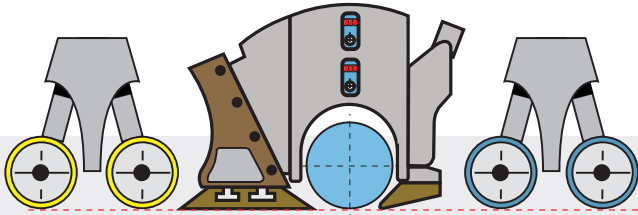
SET UP

SCM's patented set up system reduces down times and eliminates the possibility of errors. Tool changes and adjustments can be carried out by setting the minimum tool diameter.



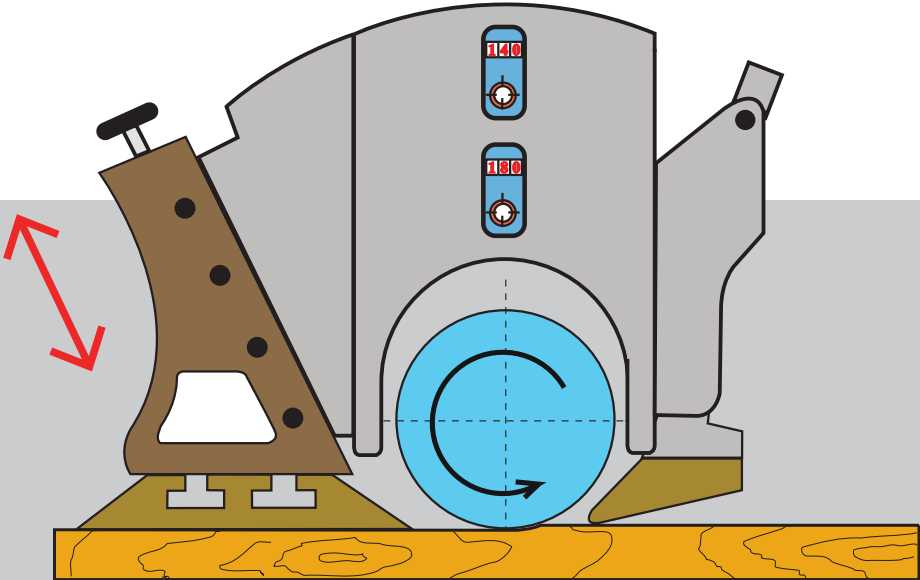
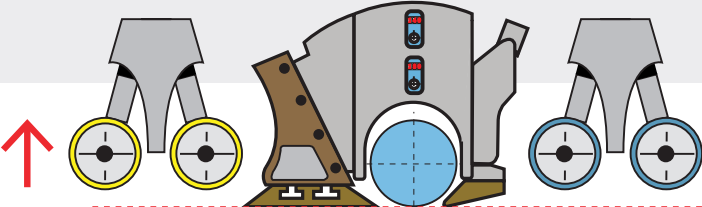
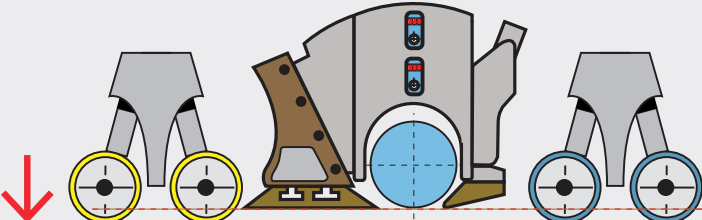
ERGONOMICS

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.

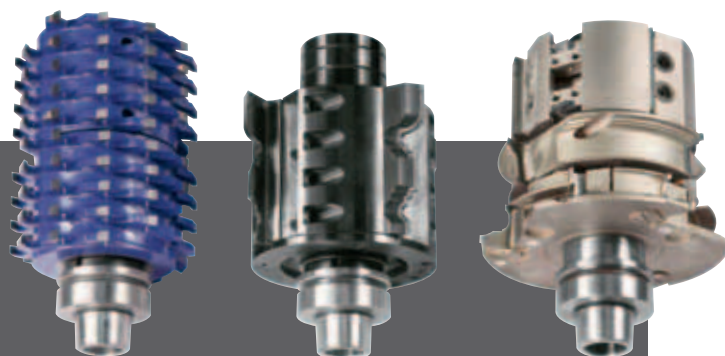
topset xl

options



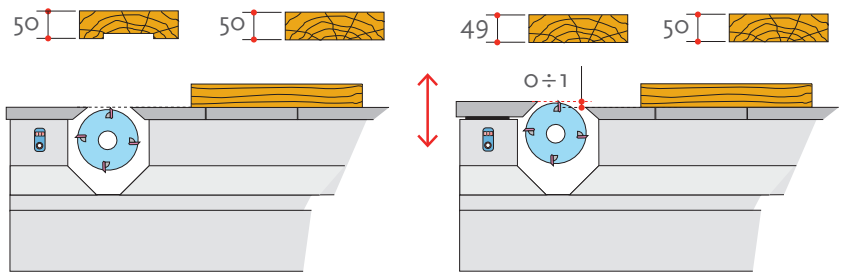
T-SET TOOLS LOCKING DEVICE

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.

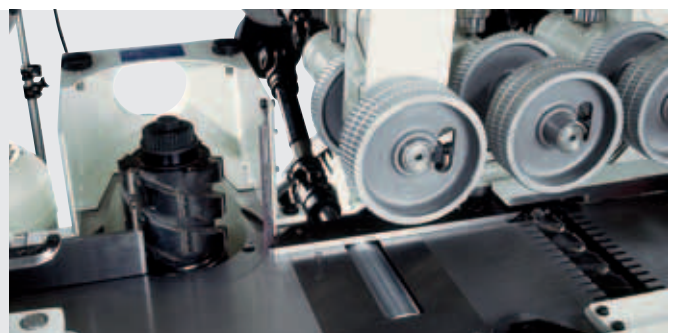


UNIVERSAL SPINDLE

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.

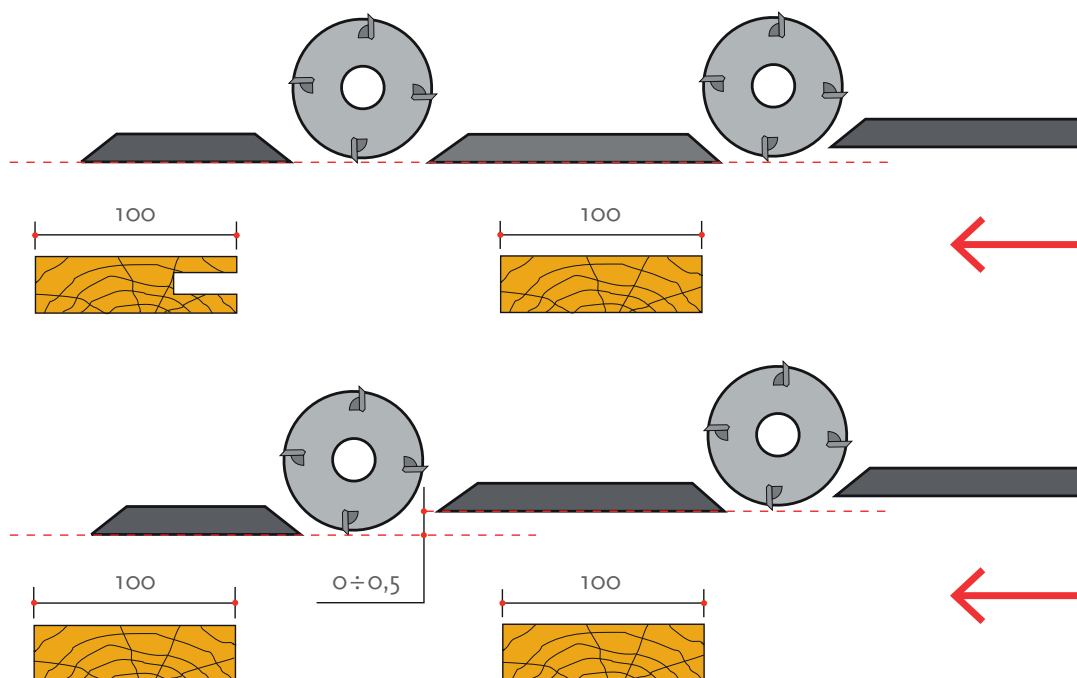
ROLLERS IN THE WORKTABLE

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.



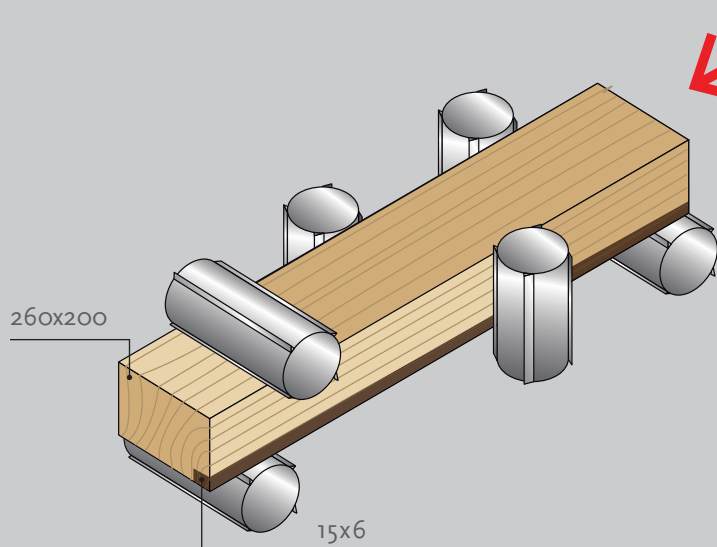
topset xl

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.

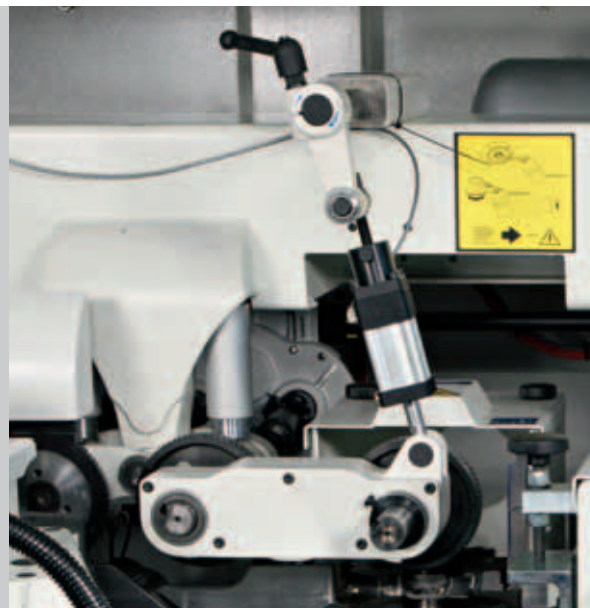
The minimum section that can be machined is 15x6 mm.

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



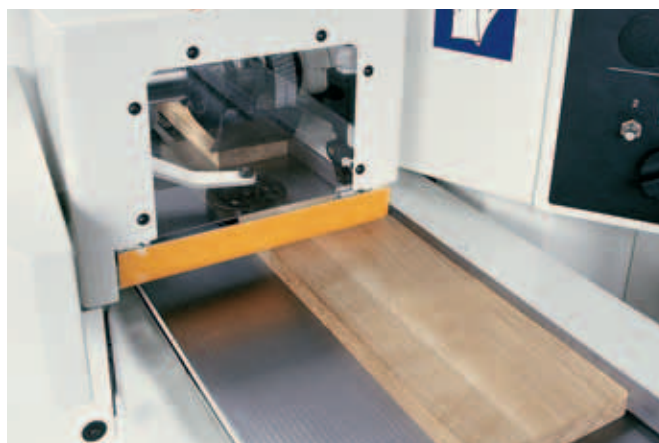
SPINDLE LOCK

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



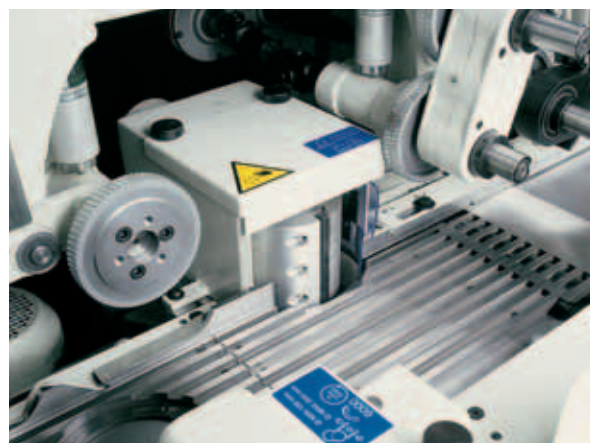
TANDEM UNIT

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.

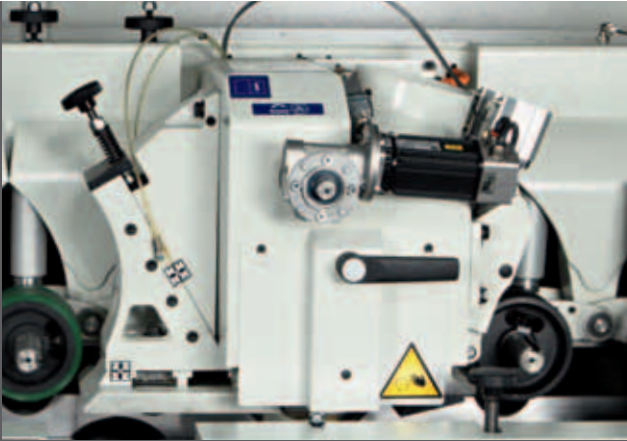


GROOVED WORKTABLE

Grooved worktable for machining short or badly trimmed parts.

topset xl

electronic adjustments



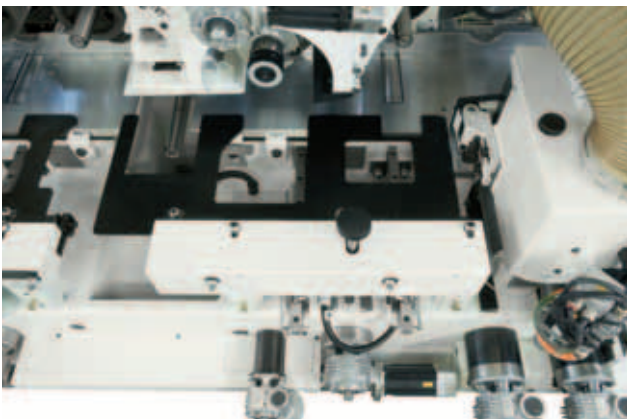
ELECTRONIC SET UP

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



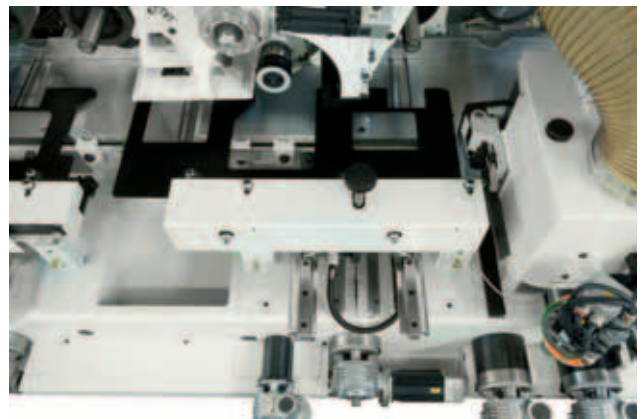
WHEELS AT THE LEFT VERTICAL WITH ELECTRONIC MOVEMENT

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.



software

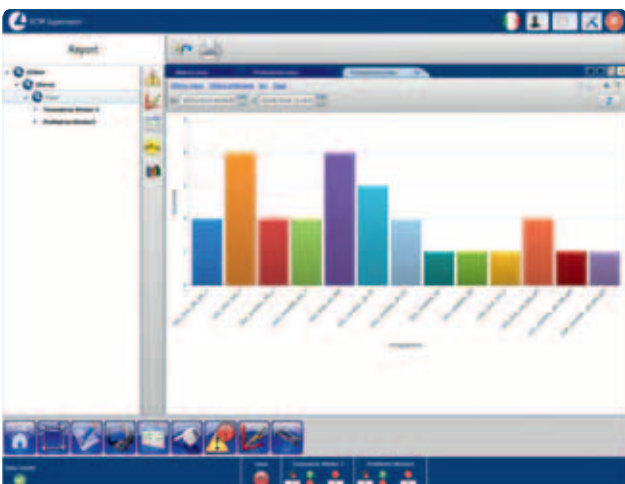


CONTROL IOO PC

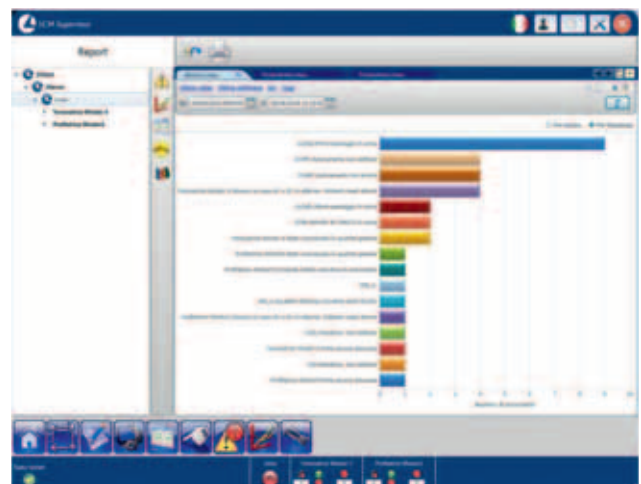
Electronic control designed to manage the axial and radial movements of all the machining units and all the other devices that can be controlled electronically, from the NC.

This is possible with the innovative "WATCH" supervisor, developed by SCM, that ensures:

- easy machine management
- extremely efficient production control
- generation of reports on productivity, rejects, alarms, etc
- display of the workpiece tracking
- generation of reject mixes



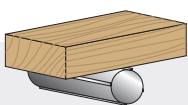
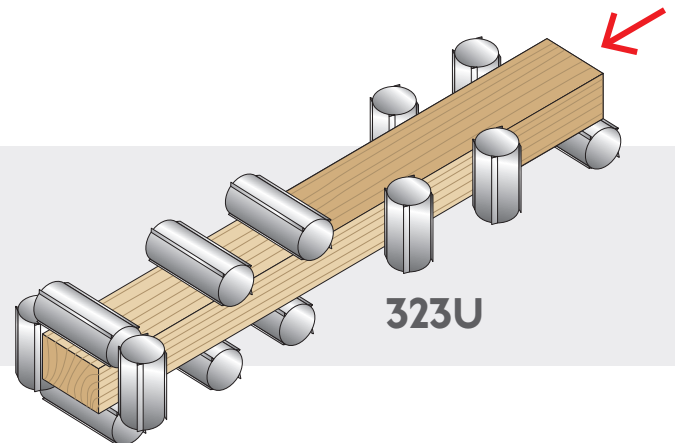
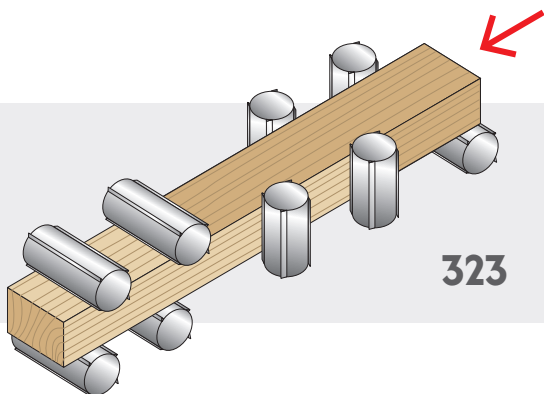
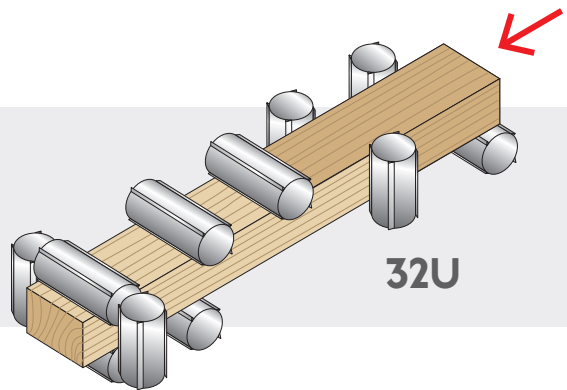
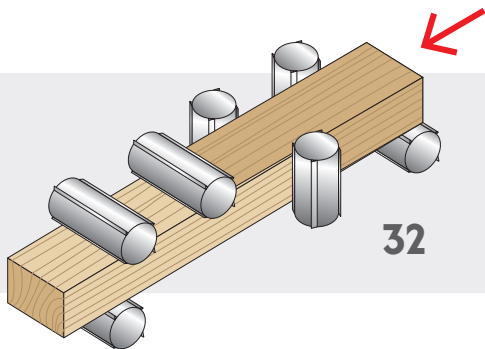
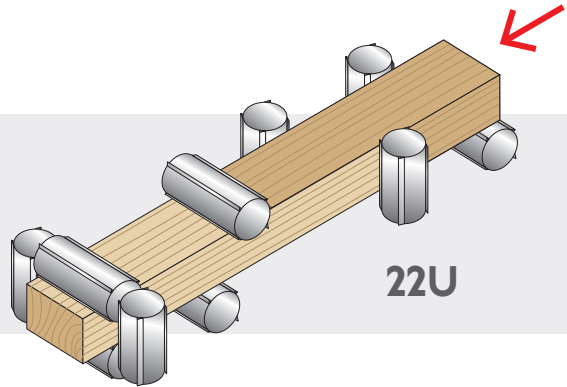
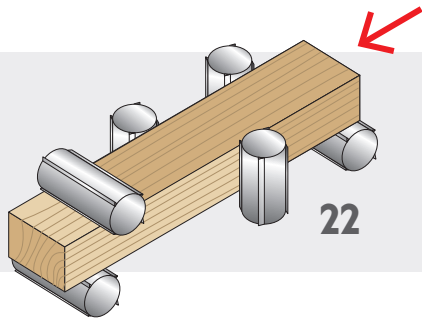
PRODUCTIVITY REPORT PER TYPE OF WORKPIECE



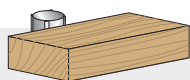
REPORT ON ALARM FREQUENCY AND TYPE

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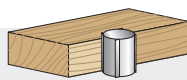
machine compositions



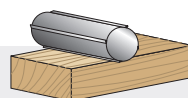
BOTTOM
HORIZONTAL
SPINDLE



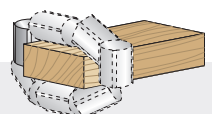
RIGHT
VERTICAL
SPINDLE



LEFT
VERTICAL
SPINDLE



TOP
HORIZONTAL
SPINDLE

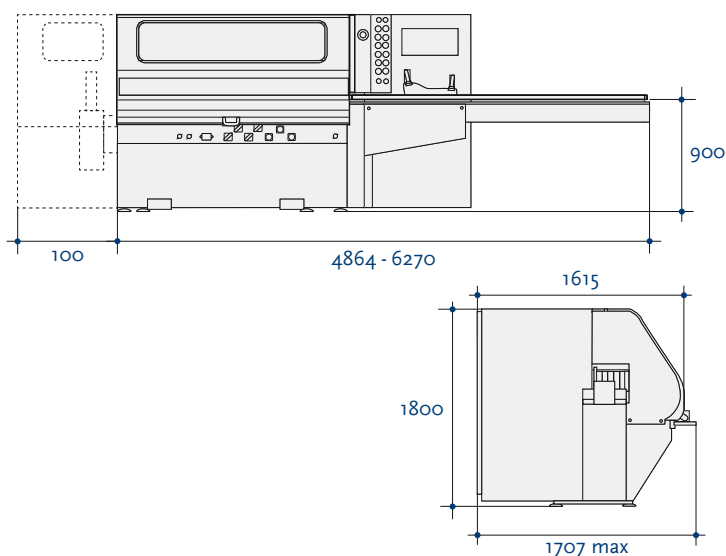


UNIVERSAL
SPINDLE

TOPSET XL

Technical specifications

AUTOMATIC THROUGHFEED MOULDER	TOPSET XL	
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 ³]			
	Workpiece infeed		Workpiece outfeed		1st station	2nd station	3rd station	4th station
	Machine idle	Machine working	Machine idle	Machine working				
TOPSET XL	76,5	90,5	68,6	84	0,34	0,32	0,20	0,37



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stefani
morbidelli
scm
routech
celaschi
dmc
superfici
sergiani
mahros
cpc
scmgroup
engineering
scm
minimax

1 large integrated group
18 production sites
20 foreign branches
more than 60 years in the five
continents
80% exports
350 agents and distributors
360 registered patents
500 engineers
3.000 square metres showroom
10.000 classical and professional
machines made per year
240.000 square metres
of production space



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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.





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