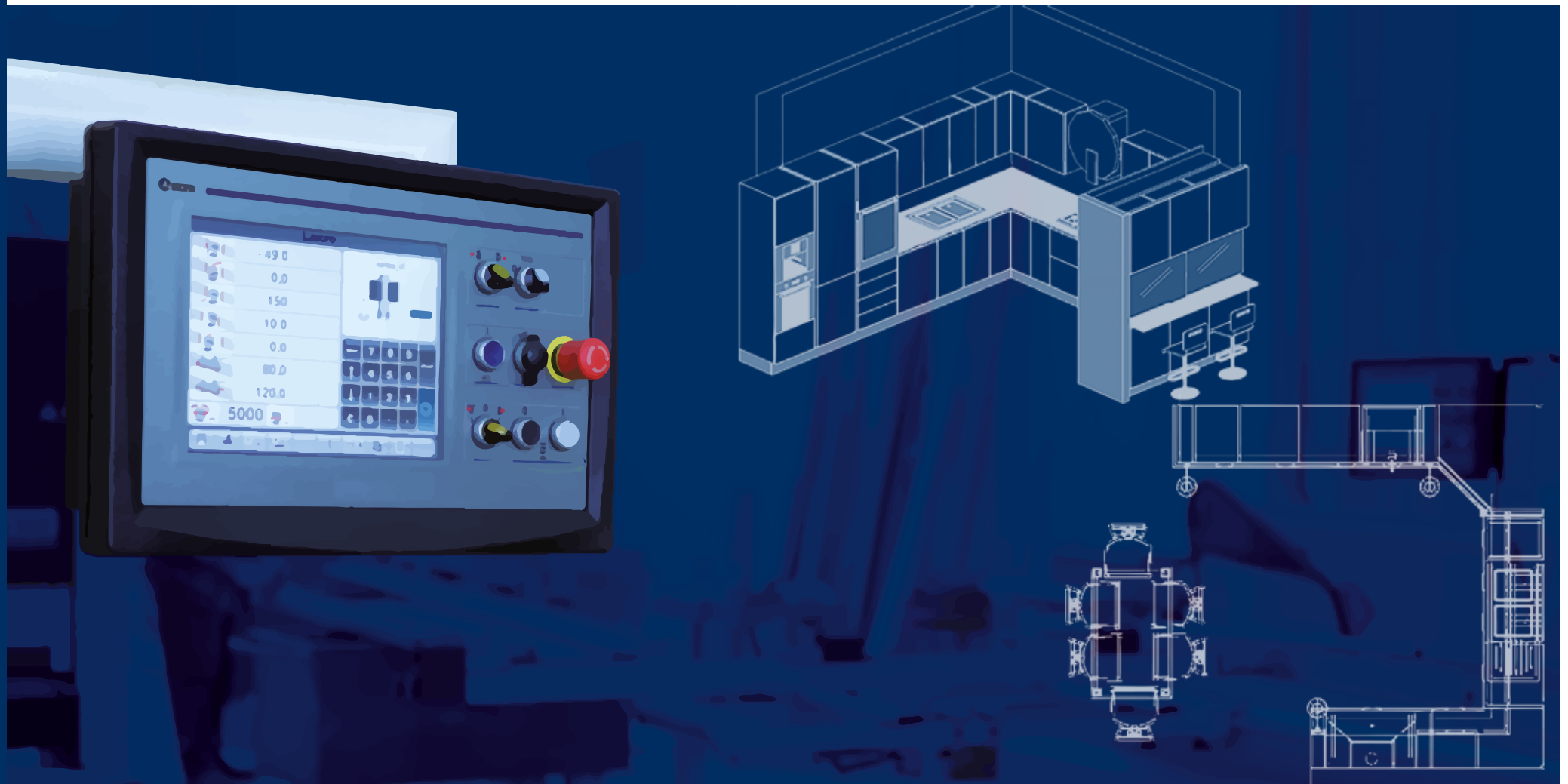
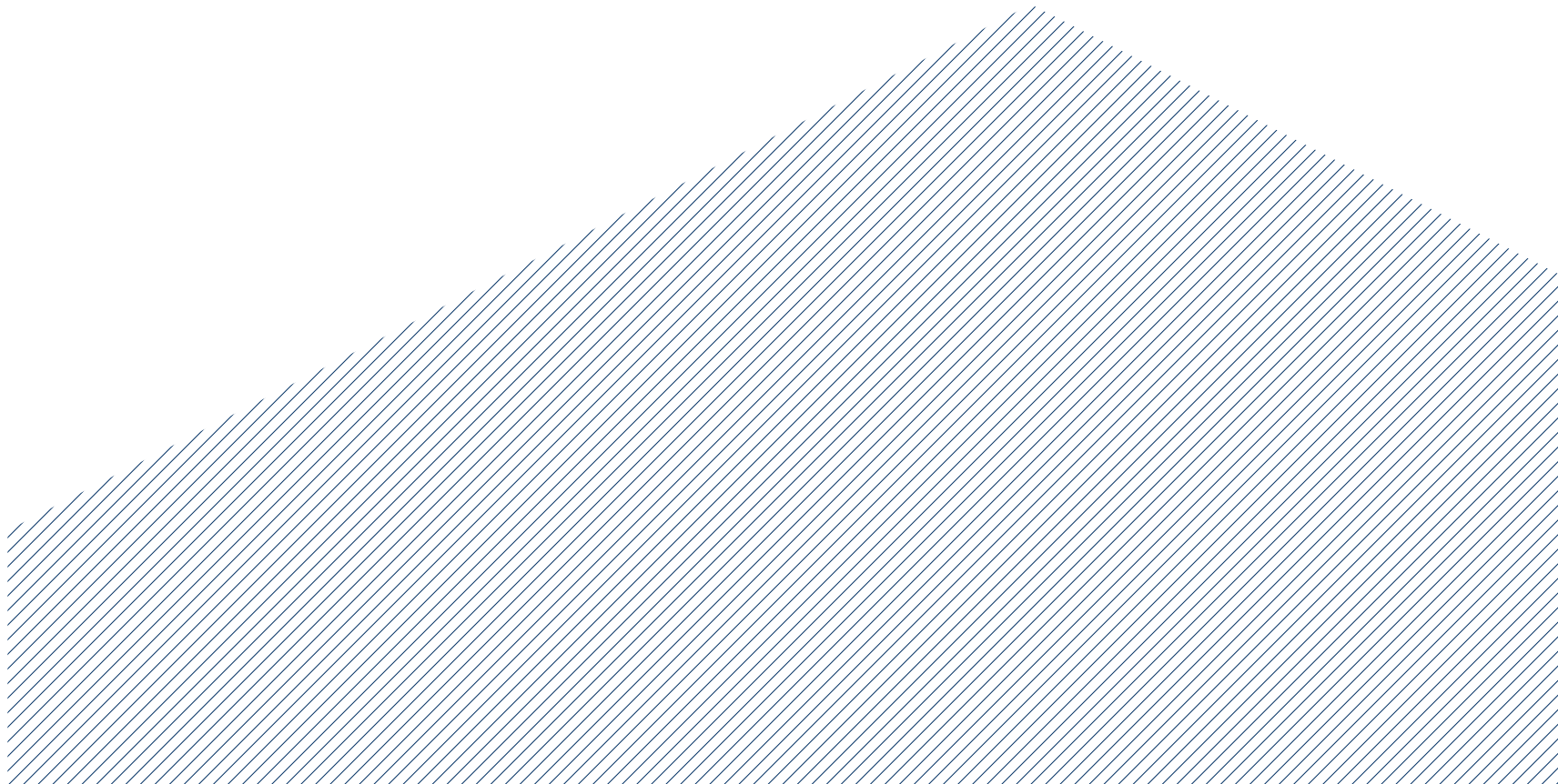


nova class profiset startech

Four complete machines lines for the advanced joinery









All "Made in SCM Italy"
From casting iron to finished product.

Come see our production plants and touch the quality of SCM
machines; you will be our guest.



nova class profiset startech lines

The widest range of machines
for the advanced joinery

SCM's objective is to guarantee customers high quality technologies which meet their requirements in such a way as to make SCM the partner for any needs.



automatic planers and throughfeed moulders

Designed to be sturdy machines with high quality components to always ensure the very best performance.

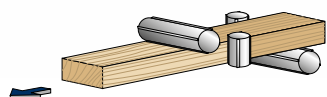
automatic planers
and throughfeed moulders
profiset 60ep
profiset 60

automatic
planers
profiset 40ep
profiset 40

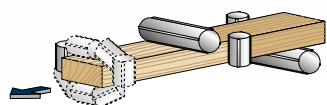
automatic planers-
throughfeed
moulders
profiset 60ep
profiset 60



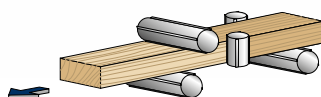
| | | profiset 60ep | profiset 60 |
|--|-------|---------------|-------------|
| Minimum working width (finished section) | mm | 25 ÷ 15 | 25 ÷ 15 |
| Maximum working width (finished section) | mm | 230 | 230 |
| Minimum working height (finished section) | mm | 10 | 6 |
| Maximum working height (finished section) | mm | 120 | 120 |
| Minimum length of single work piece comp. 4 | mm | 450 ÷ 430 | 450 ÷ 430 |
| Minimum length of single work piece comp. 5 | mm | 630 ÷ 420 | 630 ÷ 420 |
| Feed speed | m/min | 5 ÷ 25 | 5 ÷ 25 |
| Find the complete technical specification at page 79 | | | |



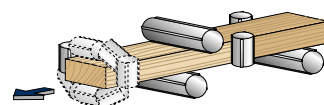
comp. 4



comp. 4 + universal spindle

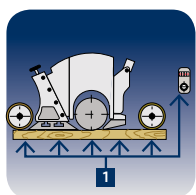


comp. 5



comp. 5 + universal spindle

Available in 4 different compositions: 4/5 spindles and the possibility to use the universal spindle in order to meet any profiling requirement.



"Setup"
maximum rapidity



Feeding device
productivity



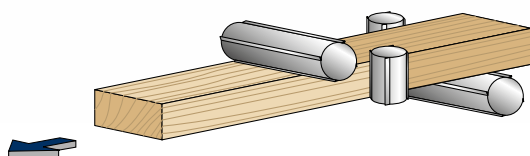
Electronic Control
operational advantage

Versatile, safe and high performance.

automatic
planers
profiset 40ep
profiset 40



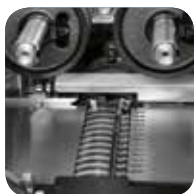
| | | profiset 40ep | profiset 40 |
|--|-------|---------------|-------------|
| Minimum working width (finished section) | mm | 23 | 23 |
| Maximum working width (finished section) | mm | 180 | 180 |
| Minimum working height (finished section) | mm | 10 | 6 |
| Maximum working height (finished section) | mm | 105 | 105 |
| Minimum length of single work piece | mm | 300 | 300 |
| Feed speed | m/min | 6/12 | 6/12 |
| Find the complete technical specification at page 79 | | | |



4 spindles machine composition with 10mm profiling capacity on the vertical spindles.



Lubrication
smooth movement



Reference Engraver
straightening
system



Electronic Control
simple and effective

Maximum compactness with minimum overall dimensions to safeguard the essential space for the operator.

profiset operating groups

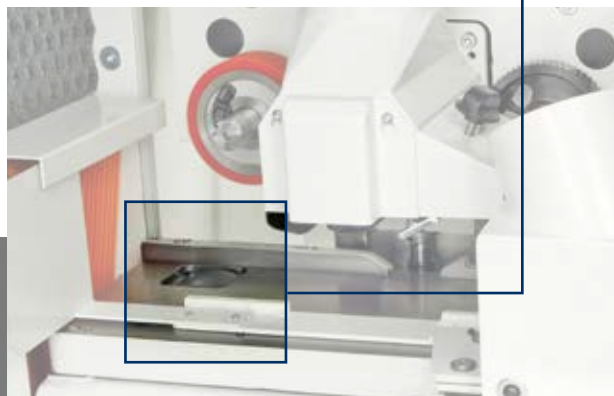
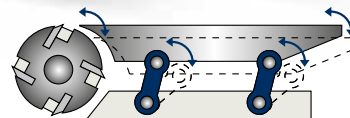
ergonomics and safety

Working units set-up

All controls are situated on the machine front with mechanical readout and decimal precision of the working section.



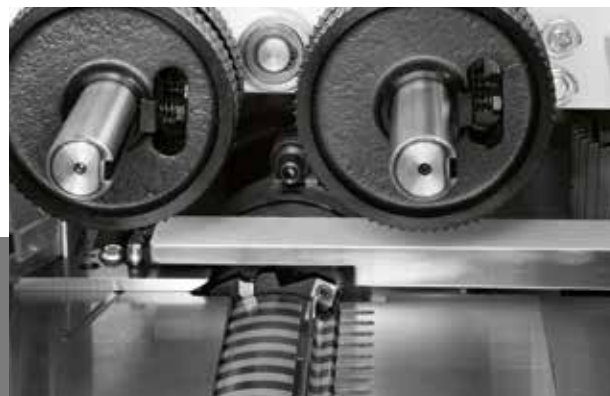
Infeed table and infeed right guide with transversal adjustment by means of a **parallelogram system** which ensures the best precision.



the best finishing

Idle roller placed the outfeed table

Typical feature of industrial level machines, it guarantees a very effective feeding.



perfect straightening

Reference engraver

The use of the reference engraver on the lower spindle ensures the optimal reference-guide of the workpiece to be machined.



smooth movement

Lubrication pump

The manual pump for the worktable lubrication positioned in the working area facilitates its use, assuring always the best smooth movement of the work piece.

productivity and improved finishing

Optimum feeding

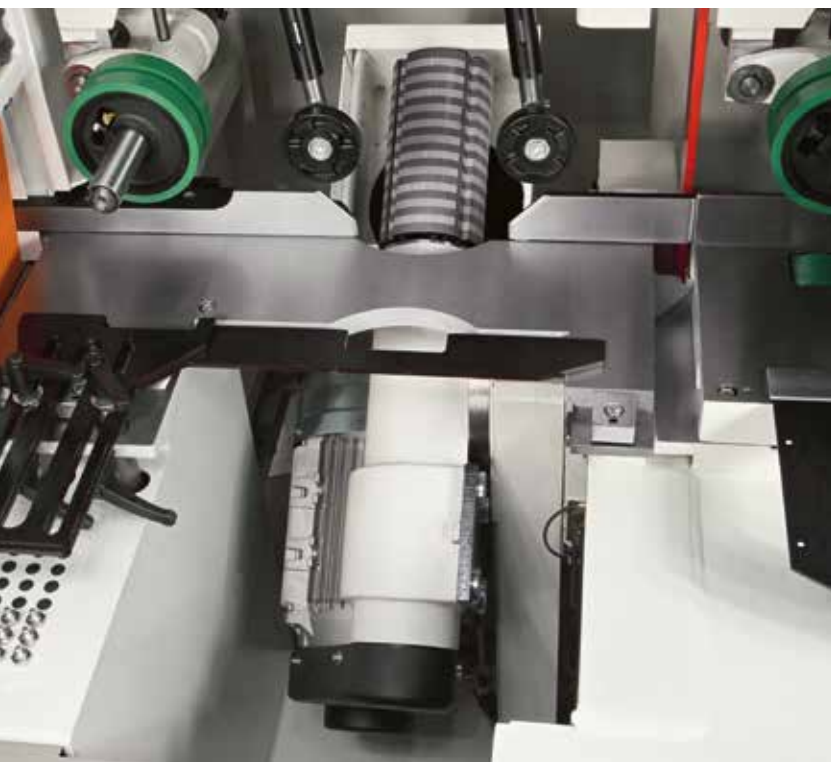
- Gears box drive and cardan joints
- Pneumatic working pressure on the feed rollers
- Inverter for the stepless speed adjustment from 5 to 25 m/min
(profiset 60ep and profiset 60)



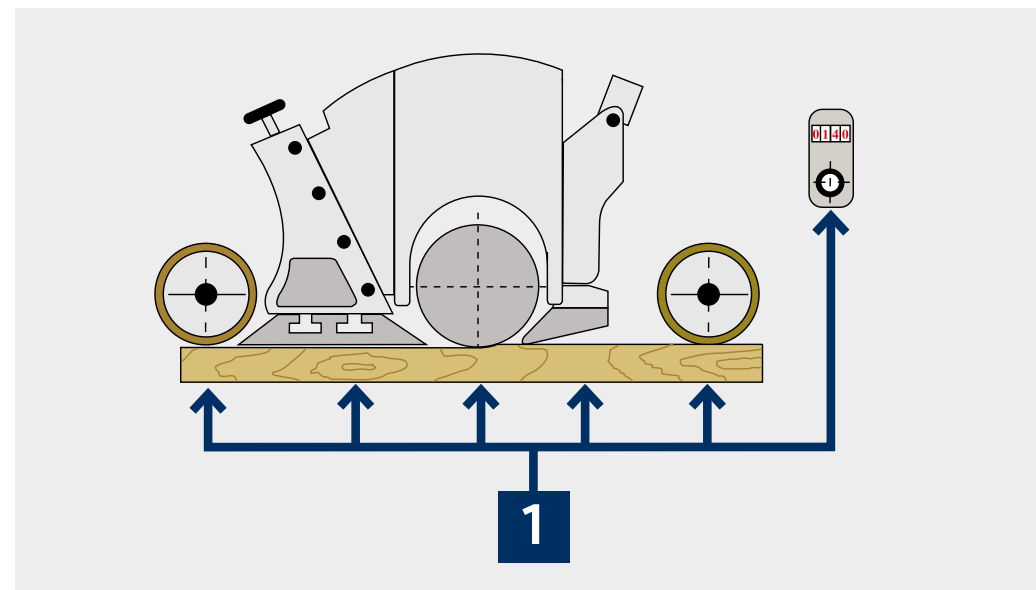
top flexibility

Universal spindle

When the machine is equipped with the optional universal spindle it is possible to work the piece at 360°, thus obtaining even the most particular profiles, otherwise not obtainable with the other operating groups.
(profiset 60ep and profiset 60)



some examples



setting-up speed

"Set-up"

The **SCM solution** allows a simple and rapid set up when changing tools as it has the minimum tool diameter as only reference. It is enough **a single adjustment to position all elements** (tool, working height, front and rear pressers, feeding rollers) and no idle retooling times.
(profiset 60ep and profiset 60)

profiset operating groups



working programming becomes
simple and effective

"Ready" electronic control

- Automatic positioning control of left vertical spindle and top horizontal spindle
- Feed speed selection
- Mode: manual, semi-automatic and automatic with memory capacity up to 99 programs.
- Additional functions: calculator and hour counter (*profiset 40ep*)



operational advantage "Easy Plus" electronic control from control panel

- Automatic control of left vertical spindle and upper horizontal spindle positioning.
- Feed speed selection
- 7" LCD colour display; 16:9 resolution
- Tools database with visualisation of tools picture
- Programs database with visualisation of tools picture and position (*profiset 60ep*)



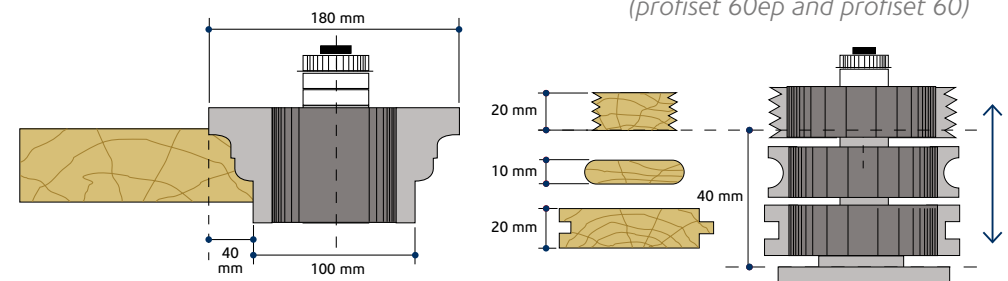
profiset dimensions and technical

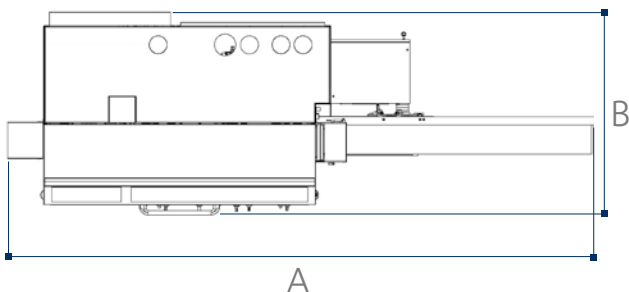


high performance available as standard

Profiling

The vertical spindles allow a profiling capacity of up to 40 mm and an axial adjustment of 40 mm to manage more profiles. (*profiset 60ep and profiset 60*)





| | | profiset 60ep/ profiset 60 comp. 4 | profiset 60ep/ profiset 60 comp. 5 | profiset 40ep/ profiset 40 |
|---|----|--|--|-------------------------------|
| A with 2000 mm infeed table without universal spindle | | 3410 | 3600 | - |
| A with 2500 mm infeed table without universal spindle | mm | 3910 | 4100 | - |
| A with 2000 mm infeed table and universal spindle | mm | 4125 | 4315 | - |
| A with 2500 mm infeed table and universal spindle | mm | 4625 | 4815 | - |
| A with 1700 mm infeed table | mm | - | - | 2855 |
| A with 2300 mm infeed table | mm | - | - | 3464 |
| B without universal spindle | mm | 1574 | 1574 | 1139 |
| B with universal spindle | mm | 1659 | 1659 | - |

| | | profiset 60ep | profiset 60 | profiset 40ep | profiset 40 |
|---|---------|---------------------|---------------------|-----------------|-----------------|
| Minimum working width (finished section) | mm | 25 ÷ 15 | 25 ÷ 15 | 23 | 23 |
| Maximum working width (finished section) | mm | 230 | 230 | 180 | 180 |
| Minimum working height (finished section) | mm | 10 | 6 | 10 | 6 |
| Maximum working height (finished section) | mm | 120 | 120 | 105 | 105 |
| Minimum length of single work piece comp. 4 | mm | 450 ÷ 430 | 450 ÷ 430 | 300 | 300 |
| Minimum length of single work piece comp. 5 | mm | 630 ÷ 420 | 630 ÷ 420 | - | - |
| Feed speed | m/min | 5 ÷ 25 | 5 ÷ 25 | 6/12 | 6/12 |
| Spindles speed | rpm | 6.000 | 6.000 | 6.000 | 6.000 |
| Tool-holder shafts diameter | mm | 40 | 40 | 35 | 35 |
| Vertical spindle length | mm | 140 | 140 | 120 | 120 |
| Horizontal spindle length | mm | 250 | 250 | 190 | 190 |
| Universal spindle length (option) | mm | 240 | 240 | - | - |
| Axial adjustment of vertical spindles with respect to the worktable | mm | 40 | 40 | - | - |
| Axial adjustment of horizontal spindles with respect to the right fence | mm | 40 | 40 | - | - |
| Min./max. tool diameter on bottom horizontal spindle | mm | 120/140 | 120/140 | 100/100 | 100/100 |
| Min./max tool diameter on vertical spindles | mm | 100/180 | 100/180 | 100/120 | 100/120 |
| Max. profiling capacity on vertical spindles | mm | 40 | 40 | 10 | 10 |
| Min./max. tool diameter on top horizontal spindle | mm | 125 | 125 | 100 | 100 |
| Min./max. tool diameter on 2nd bottom horizontal spindles | mm | 100/180 | 100/180 | - | - |
| Profiling capacity with tool 180mm on 2nd bottom horizontal spindle | mm | 15 | 15 | - | - |
| Min./max. tool diameter on universal spindle (option) | mm | 100/180 | 100/180 | - | - |
| Feed rollers diameter | mm | 140 | 140 | 120 | 120 |
| Infeed table length | mm | 2.000 ÷ 2.500 | 2.000 ÷ 2.500 | 1.700 ÷ 2.300 | 1.700 ÷ 2.300 |
| Rapid adjustment of infeed table and fence | mm | 10 | 10 | 10 | 10 |
| other technical features | | | | | |
| Feeding motor power | kW (hp) | 3 (4) | 3 (4) | 0,7/1,1 (1/1,5) | 0,7/1,1 (1/1,5) |
| Motor power of bottom horizontal spindle | kW (hp) | 4 (5,5) ÷ 5,5 (7,5) | 4 (5,5) ÷ 5,5 (7,5) | 7,5 (10) | 7,5 (10) |
| Motor power of vertical spindles (single) | kW (hp) | 5,5 (7,5) ÷ 11 (15) | 5,5 (7,5) ÷ 11 (15) | 7,5 (10) | 7,5 (10) |
| Motor power of top horizontal spindle | kW (hp) | 4 (5,5) ÷ 7,5 (10) | 4 (5,5) ÷ 7,5 (10) | 7,5 (10) | 7,5 (10) |
| Motor power of the 2nd bottom horizontal spindle (comp. 5) | kW (hp) | 4 (5,5) ÷ 5,5 (7,5) | 4 (5,5) ÷ 5,5 (7,5) | - | - |
| Universal spindle motor power (option) | kW (hp) | 4 (5,5) ÷ 7,5 (10) | 4 (5,5) ÷ 7,5 (10) | - | - |
| Exhaust hoods diameter | mm | 120 | 120 | 120 | 120 |
| Exhaust hood for the top horizontal spindle diameter | mm | 150 | 150 | 120 | 120 |

profiset main optional devices

"T-Set": rapid tool locking device

It ensures the locking/unlocking of tools simply through a gun with compressed air.



Feed units

- 1) Feed unit before horizontal bottom universal spindle
- 2) Kit of supplementary flanged feed rollers in front of left vertical spindle
- 3) Feed unit placed after top horizontal spindle
- 4) "Tandem" feed unit before universal spindle

1



2



3



4





maximum versatility
Kit for enabling profiling with the top spindle
 It includes no. 2 mechanical readouts with decimal precision.
 100/180 mm min./max. tool diameter. 40 mm axial stroke.

"Preset 25" tool diameter
measurement device
 Centesimal accuracy and ease-of-use.

Vertical pressure with idle rollers
placed in front of vertical spindles
 Effective in any situation.

- Standard
- Option

| | ■ Profiset 60ep | ■ Profiset 60 | ■ Profiset 40ep | ■ Profiset 40 |
|--|-----------------|---------------|-----------------|---------------|
| Feed unit before universal spindle with exclusion lever | - | - | ○ | ○ |
| Feed unit before lower horizontal spindle with pneumatic exclusion | ■ | ■ | - | - |
| Vertical pressure for large work pieces placed in front of the vertical left spindle | - | - | ○ | ○ |
| Kit to allow the top spindle profiling | ○ | ○ | - | - |
| "T-Set" rapid tool locking | ○ | ○ | - | - |
| "Tandem" feed unit before universal spindle | ○ | ○ | - | - |
| Vertical pressure with idle rollers placed in front of the vertical spindle | ○ | ○ | - | - |
| Kit of supplementary flanged feed rollers in front of left vertical spindle | ○ | ○ | - | - |
| Automatic work table lubrication | ○ | - | - | - |
| Supplementary worktable with rexilon inserts | ○ | ○ | - | - |
| Front and rear pressure shoes on universal spindle hood | ○ | ○ | - | - |
| "Preset 25" tool diameter measurement device | ○ | ○ | - | - |



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

17.000 machines manufactured per year

90% export

20 foreign branches

350 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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www.scmwood.com



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