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



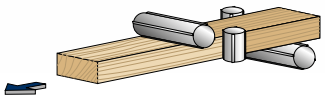
automatic planers-throughfeed moulders
profiset 60ep
profiset 60



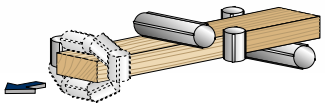
		profiset 60ep	profiset 60
Minimum working width (finished section)	mm	25 ÷ 15	25 ÷ 15
Maximum working width (finished section)	mm	230	230
Minimum working height (finished section)	mm	10	6
Maximum working height (finished section)	mm	120	120
Minimum length of single work piece comp. 4	mm	450 ÷ 430	450 ÷ 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

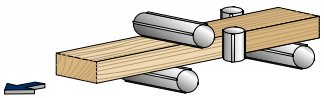




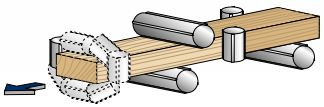
comp. 4



comp. 4 + universal spindle

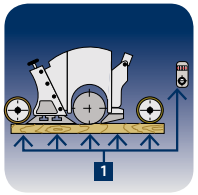


comp. 5



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.

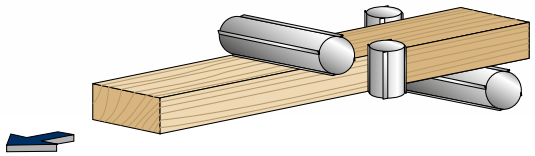
automatic planers
profiset 40ep
profiset 40



		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

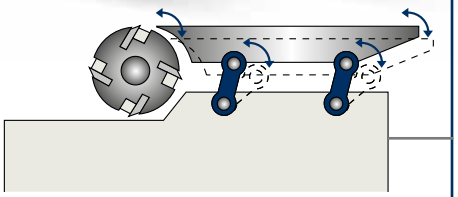


ergonomics and safety

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.

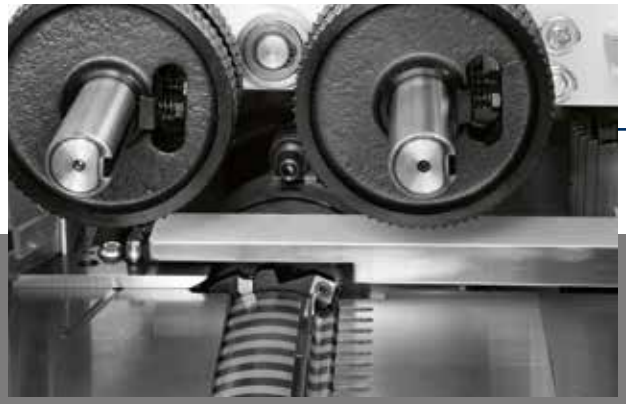




the best finishing

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)

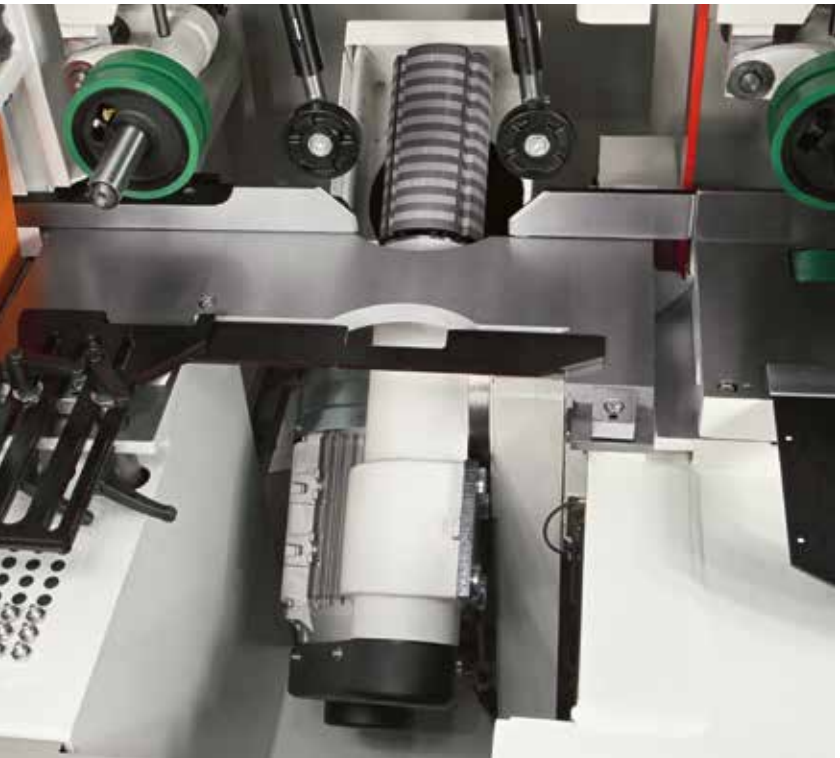


top flexibility

Universal spindle

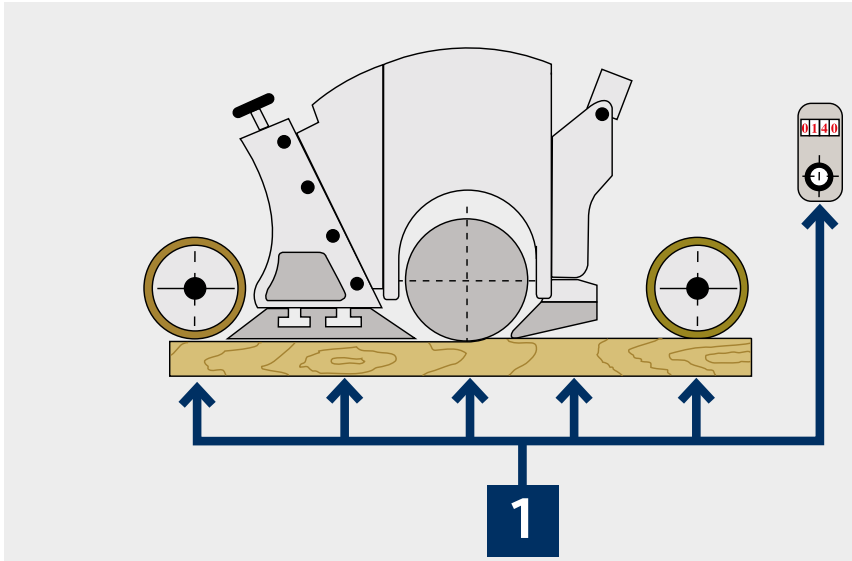
When the machine is equipped with the optional universal spindle it is possible to work the piece at 360°, thus obtaining even the most particular profiles, otherwise not obtainable with the other operating groups.

(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

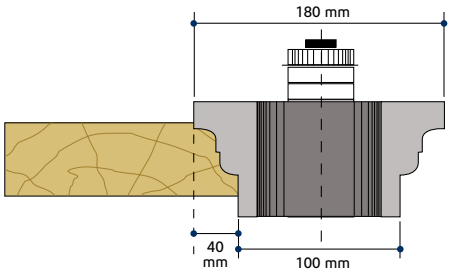


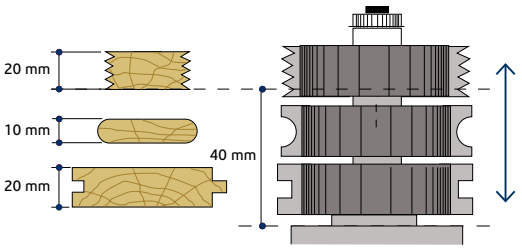
high performance available as standard

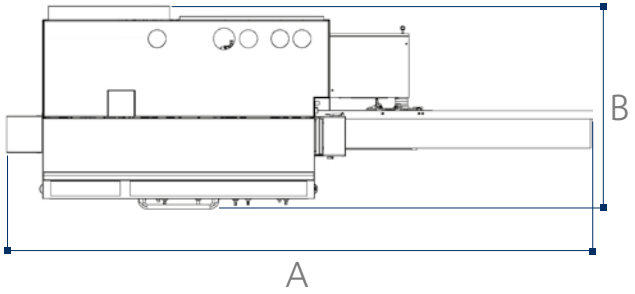
Profiling

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.

S Standard
O Option

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

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