Operating units

The planers are equipped with the flooring operating/functional units:

- Planer unit



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- Planer unit
- Tables and surface fence



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- Planer unit
- Tables and surface fence
- Thicknessing table (lifting system)



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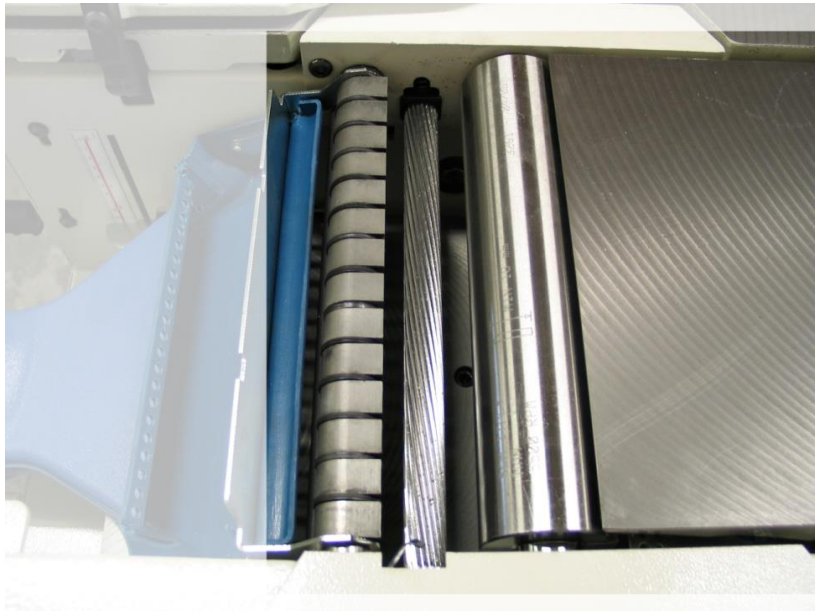
- Planer unit
- Tables and surface fence
- Thicknessing table (lifting system)
- Electronic control



“Genius” planer unit, features:

- Aluminum unit structure
- Cutterblock (standard), 62mm diameter with 2 knives (Tersa cutterblock with 3 knives in option)
- Infeed roller in helicoidal steel
- Outfeed roller in sandblasted steel
- Feed speed on thicknesser: 6 m/min

Machine: minimax fs 30g

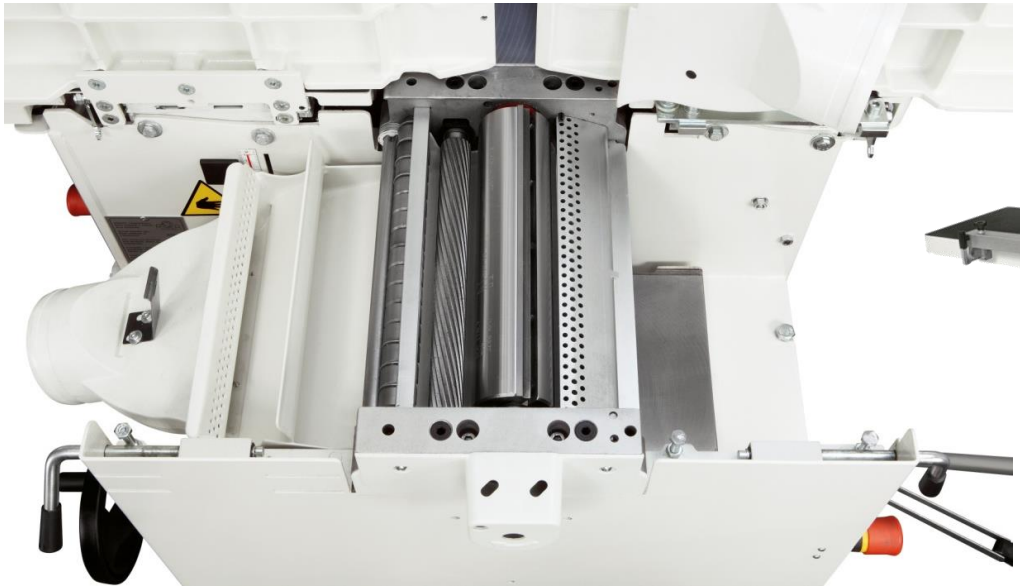




“Lab-Classic” planer unit, features:

- Aluminum unit structure
- Cutterblock (standard) , 72mm diameter with 3 knives
- Infeed roller in helicoidal steel
- Outfeed roller in sandblasted steel
- Feed speed on thicknesser: 7 m/min

Machines: minimax fs 30c, minimax fs 41c





“Elite” planer unit, features:

- Cast-iron unit structure
- Cutterblock (standard) , 87mm diameter with 3 knives
- Infeed roller in helicoidal steel
- Outfeed roller in sandblasted steel

Feed speed on thicknesser: 6/12 m/min

Machines: minimax fs 41e





Operating units

Surfacing work tables and fence

“Genius” surfacing work table and fence, features:

- Cast-iron surfacing tables, total length 1200 mm
- Aluminum surface fence

Machines: minimax fs 30g



“Lab-Classic” surfacing work tables and fence, features:

- Cast-iron surfacing work table, total length 1800 mm minimax fs 30c: 1510 mm; minimax fs 41c
- Aluminum surface fence

Machines: minimax fs 30c, minimax fs 41c



“Elite” surfacing work tables and fence, features:

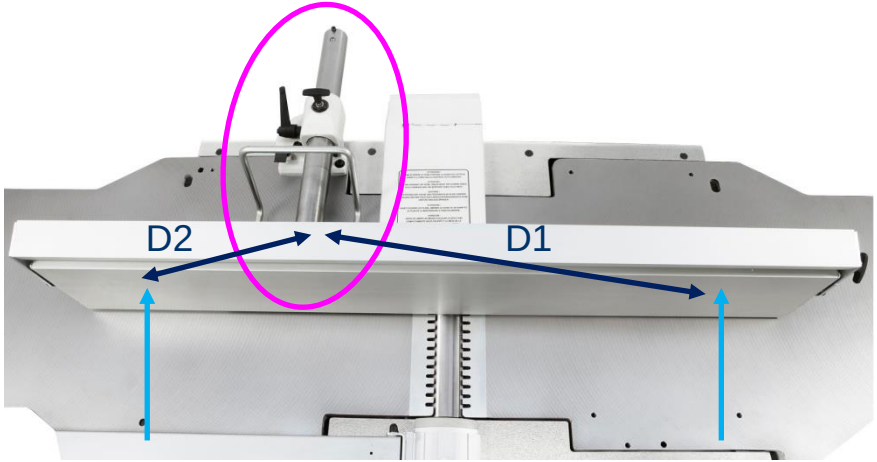
- Cast-iron surfacing work table, total length 2000 mm
- Aluminum surface fence with central support and round sliding bar

Machines: minimax fs 41e



The central support ensures a higher torsional resistance to the guide than the traditional support, as it counteracts the thrust of the piece to be machined against the fence in a point less distant from the support.

The round bar, on the other hand, facilitates a smoother sliding of the guide.





“Elite S-Nova” surfacing work tables and fence, features:

- Cast-iron surfacing work table, total length: minimax f 41es, Minimax fs 41es, Nova fs 410: 2200 mm; minimax f 52es, minimax fs 52es, nova fs 520: 2250 mm
- Aluminum surface fence with central support and round sliding bar

Machines: minimax f 41es, minimax f 52es, minimax fs 41es, minimax fs 52es, nova fs 410, nova fs 520



“L’invincibile fs 7” surfacing work tables and fence, features:

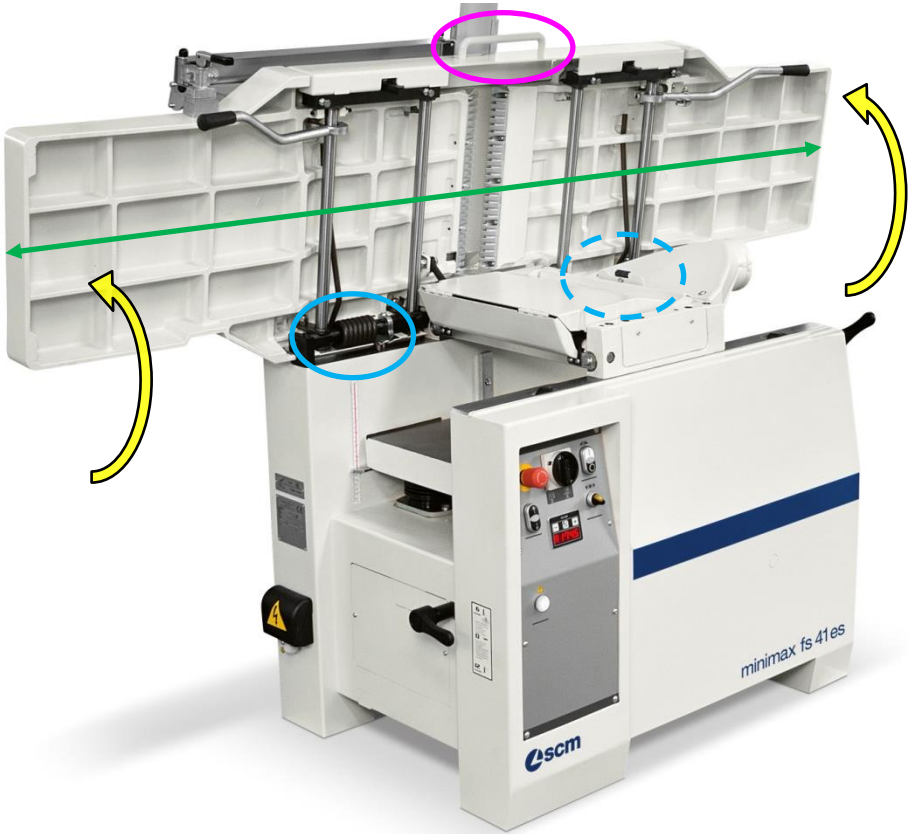
-Cast-iron surfacing work table, total length 2310 mm

- Aluminum surface fence with central support and round sliding bar

Machine: L’invincibile fs 7



The surfacing tables of the surface-thicknessing planers must be subject to a strong compromise: in order to be raised during changeover from planer to thicknesser, the tables cannot be excessively heavy and their weight necessarily limits their maximum length.



Unlike the other minimax surface-thicknessing planers, the surfacing tables of minimax fs 41es, minimax fs 52es, nova fs 410, nova fs 410 open simultaneously with a single handle and have springs that make lifting easier for the operator.

The surfacing tables of the surface-thicknessing planers must be subject to a strong compromise: in order to be raised during changeover from planer to thicknesser, the tables cannot be excessively heavy and their weight necessarily limits their maximum length.





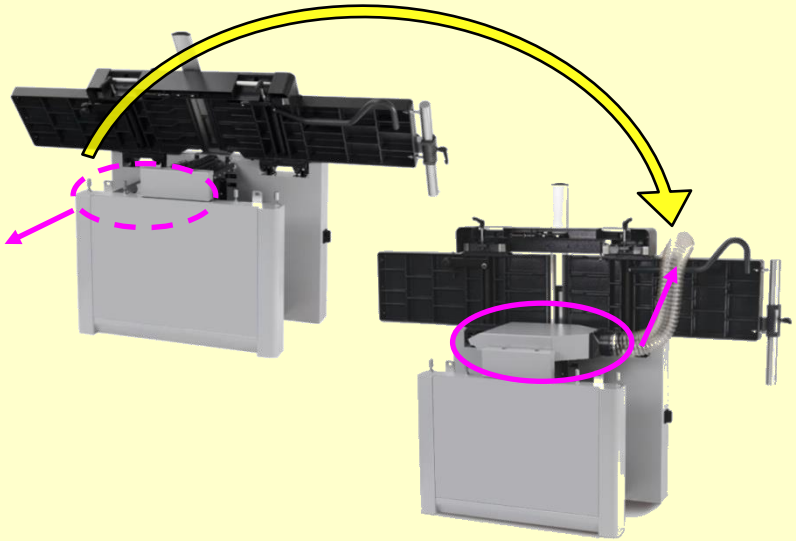
The L’invincibile fs 7 surfacing tables have a **pneumatic servo-assisted system** to facilitate the operator during **raising** operation.

elite s, nova and L’invincibile suction hood



A feature of the “elite s, nova and L’invincibile” surface-thicknessing planers is the maintenance of the suction hood (and therefore of the suction pipe) in the same position during changeover from planer to thicknesser (and vice versa), without the needed to reposition it

Alternative solution



Alternative solutions must reposition the hood and the suction pipe during changeover from planer to thicknesser (and vice versa): a less comfortable solution.

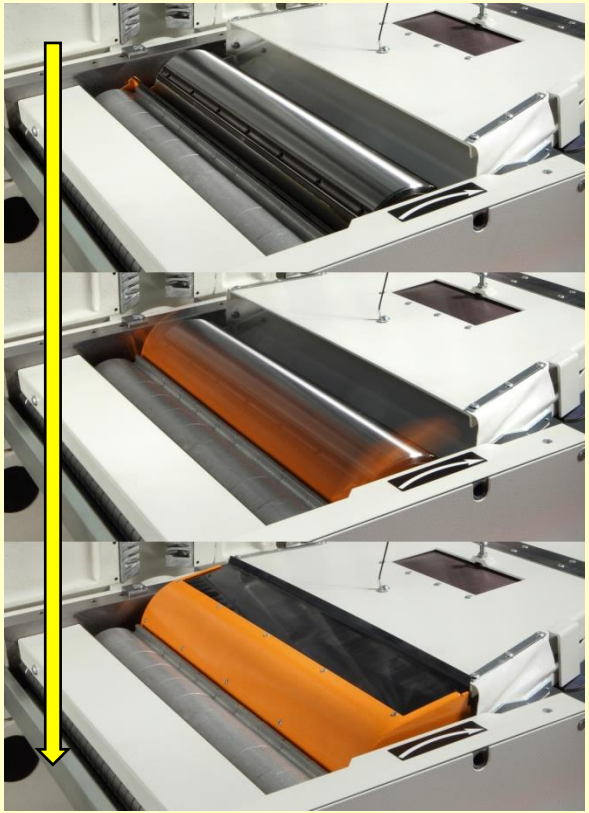
During changeover from planer to thicknesser, for safety and extraction efficiency reasons, the shaft must be covered by a protection that also integrates the exhaust hood…





The L’invincibile fs 7 has a specific characteristic: when changing from planer to thickesser the cutterblock is automatically covered by a pneumatically operated guard…It is automatically uncovered in the reverse passage.





Operating units

Thicknessing table (lifting system)

“Genius” thicknessing table, features:

- Cast-iron work table dimensions: 300 x 450 mm
- Table lifting on a central column, by means of handwheel

Machines: minimax fs 30g



“Lab-Classic” thicknessing table, features:

- Cast-iron work table dimensions: minimax fs 30c: 300 x 585 mm; minimax fs 41c: 410 x 605 mm
- Table lifting on a central column, by means of handwheel

Machines: minimax fs 30c, minimax fs 41c



“Elite” thicknessing table, features:

- Cast-iron work table dimensions: 423 x 775 mm
- Table lifting on a central column, by means of handwheel

Machines: minimax fs 41e

