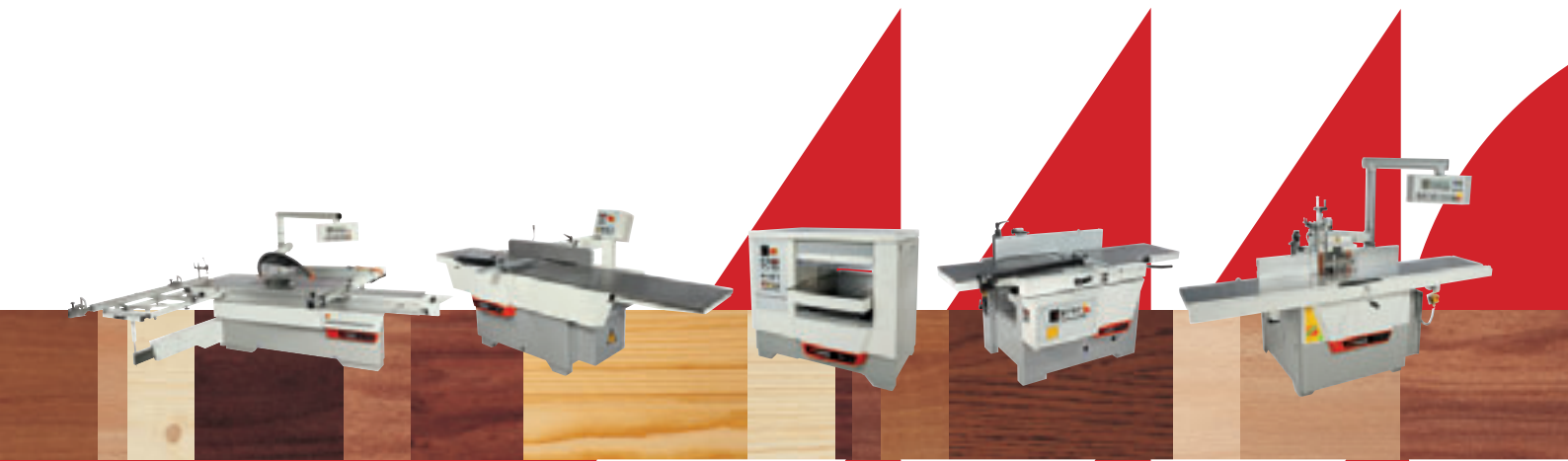


TRADITIONAL MACHINES



Casadei Macchine combines tradition and progress.
The extensive Casadei production program dates back to 1945, when the first machines rolled out of the factory and into traditional woodworking shops.
Casadei, thanks to constant investments into research and design, has become a pinnacle of quality in the world marketplace.
With a state of the art research and development department and a highly automated production process, we guarantee innovative high tech products characterized by excellent quality and reliability.

TRADITION



Due to a widespread and highly qualified distribution network, Casadei enjoys great success in more than 90 countries worldwide. Casadei's complete range of products now varies from traditional machines to sophisticated special machines such as automatic beam saws, wide belt sanders, edge banders and throughfeed moulders.



PROGRESS



SPINDLE MOULDERS WITH FIXED SPINDLE

F230, F230M, F230A

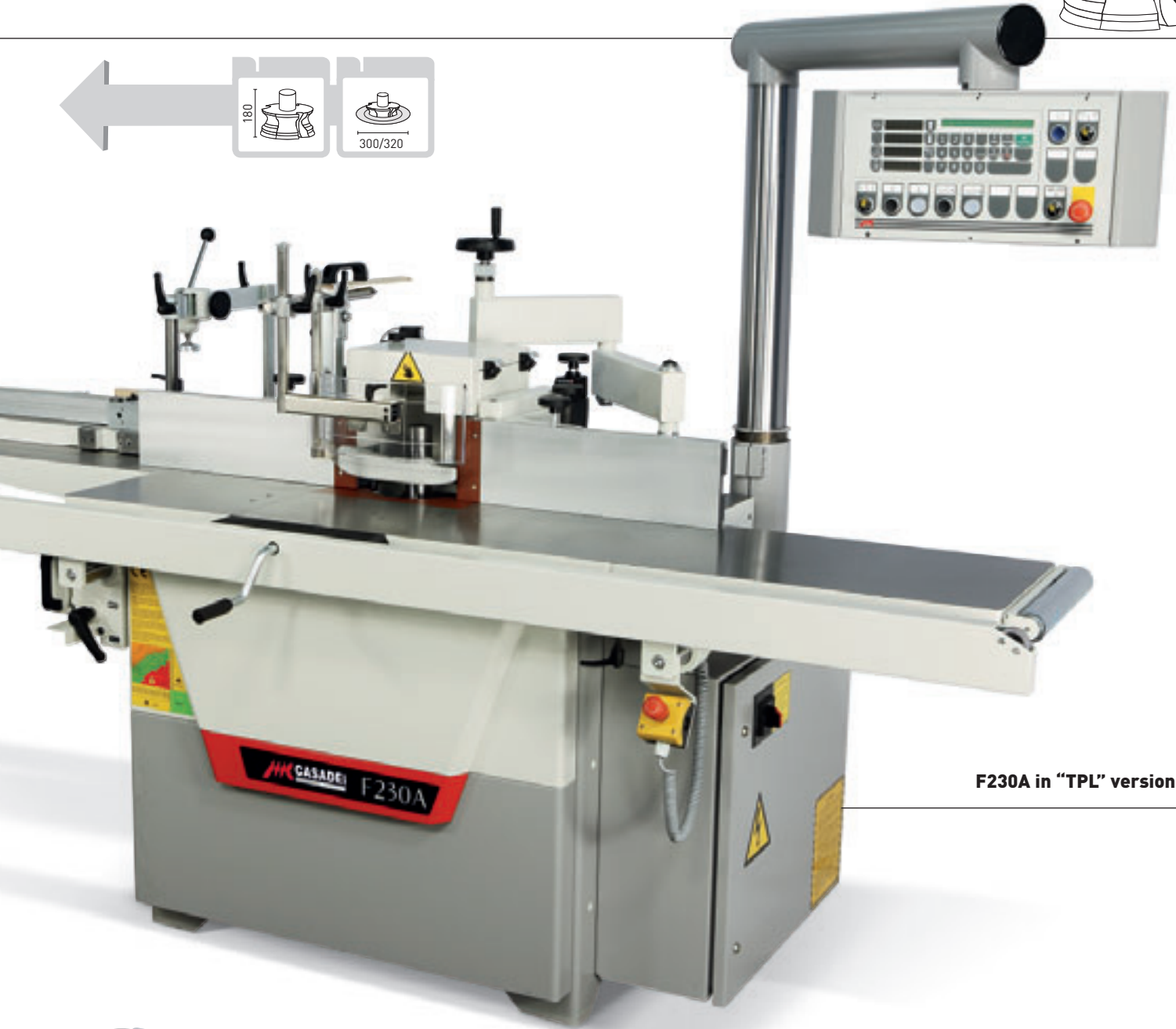
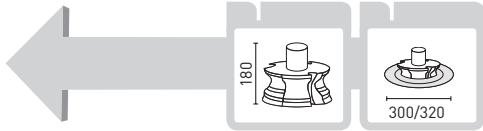
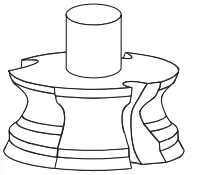
RAPID AND EFFICIENT SET-UP!

CASADEI SPINDLE MOULDERS RESPOND TO THE NEED FOR EFFICIENCY AND SPEED REQUIRED BY MODERN WOODWORKER WORKSHOPS



F230M in "PL" version





F230A in "TPL" version



F230 in "TPL" version

SPINDLE MOULDERS WITH TILTING SPINDLE $-10^{\circ} \div +45^{\circ}$

F250, F250M, F250A

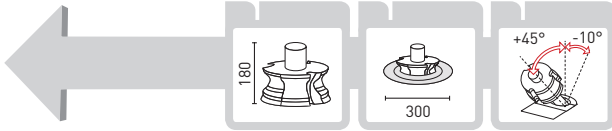
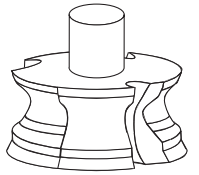
RAPID AND EFFICIENT SET-UP!

CASADEI SPINDLE MOULDERS RESPOND TO THE NEED FOR EFFICIENCY AND SPEED REQUIRED BY MODERN WOODWORKER WORKSHOPS



F250





F250M in "PL" version

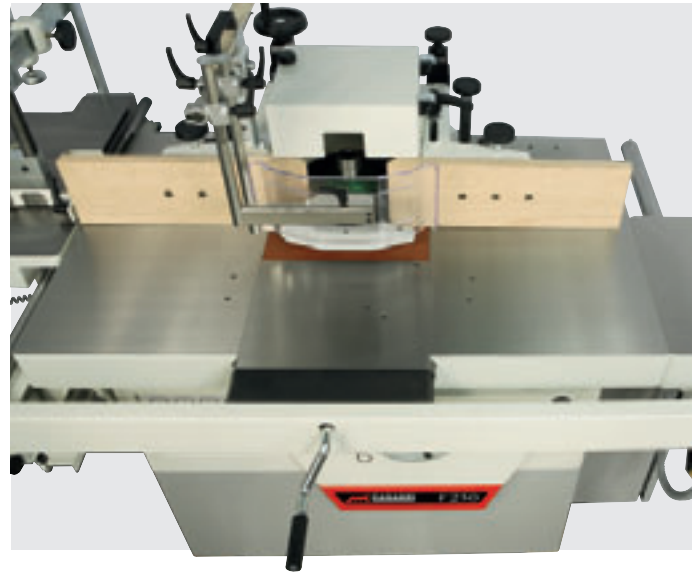
F250A in "PL" version

SPINDLE MOULDERS OPERATING UNITS AND DETAILS



MACHINE FRAME

Casadei machines are typically robust and this is well represented by the machine frame. Of notable thickness and solid construction it is capable of supporting all the operating units.



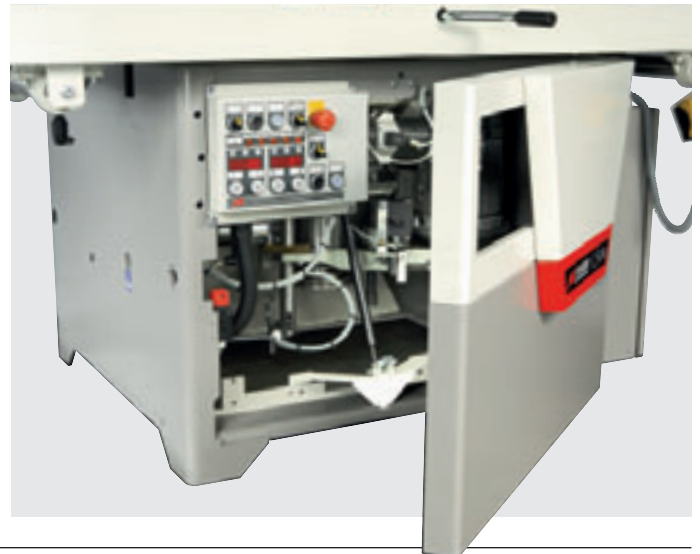
MACHINE TABLE AND "RAPID MOBILE INSERT"

The machine table of the Casadei spindle moulders is made from **ribbed cast iron** and is characterised by its rigidity and perfectly flat support surface. The "Rapid" mobile table (see figure), in alternative to rings, enables the piece to be supported under the tool and can be adjusted manually from the front of the machine using the apposite handle. This device is available on request for F230 in the manual version; it is standard on all other spindle moulders.

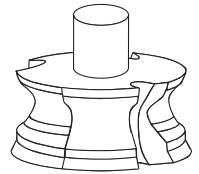


SPINDLE MOULDER UNIT

The wide frontal access to the zone where the spindle moulder unit is housed, makes manual speed change easy (for spindle moulders not fitted with inverter).



SPINDLE MOULDERS CONTROL PANELS



→fig_35.1



→fig_35.2

The control panel on the versions with manual spindle positioning (fig. 35.1) has fixed handwheels, to adjust spindle height and (F250) tilting, and mechanical readouts. On the versions with powered positioning (fig. 35.2) instead of handwheels there are comfortable switches, and digital electronic readouts instead of mechanical.

Both control panels are located ergonomically on the front of the machine.

A LED display is located on the same control panel to indicate spindle rotation speed.



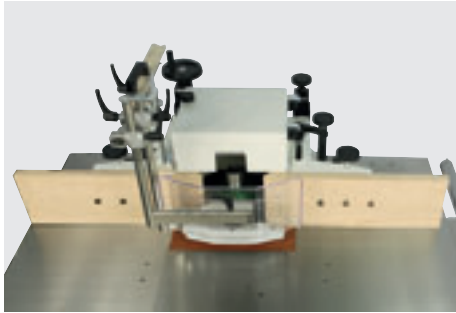
THE ELECTRONIC PROGRAMMER for the spindle and (on request) spindle moulder fence on the automatic versions is located on a OVERHEAD MOBILE CONTROL PANEL easy accessible for the operator. Using the function keys and numeric keyboard, the position of the spindle and fence can be programmed in relation to tool diameter. Using digital electronic readouts it is possible to keep every position set under control. Another digital electronic readout shows spindle rotation speed set. With the programmer it is possible to memorise up to 300 machining positions.

THE OVERHEAD MOBILE CONTROL PANEL is available, as an option, also for all the other spindle moulders in the range.

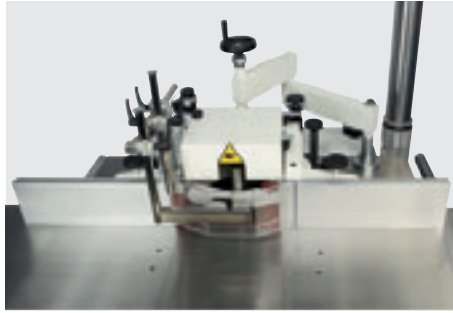
On the "M" and "A" versions spindle moulders the spindle locking, required for tool change, is **electro-magnetic** by activating the relative switch on the control panel.
On the manual versions the spindle is locked mechanically using relative lever.



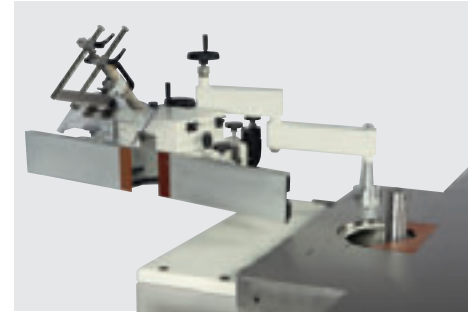
SPINDLE MOULDERS FENCES



→fig_36.1



→fig_36.2

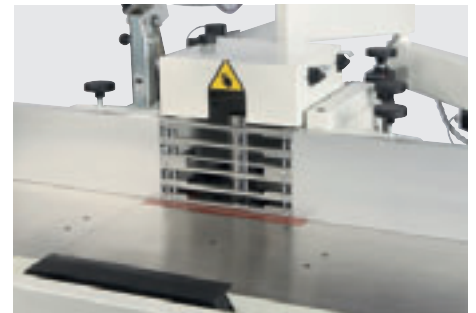


→fig_36.3

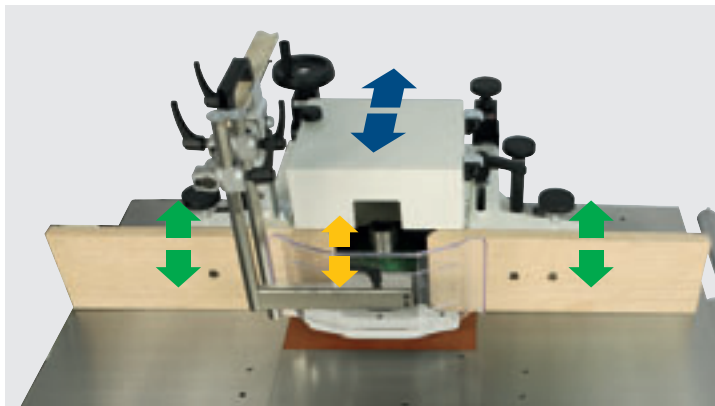
The spindle moulder fence supplied with F230A and F250A with programmable spindle and fence (fig. 36.2) can be adjusted directly using the overhead mobile control panel. Using numeric keyboard and LCD screen the programmer can be set to control every position. This fence is also equipped, as standard, with a **suspended arm for rapid exclusion from table** (fig. 36.3).

The fence supplied as standard with the other spindle moulders (fig. 36.1) can be adjusted micro-metrically using handwheels easily accessible from the front of the machine and the movements are displayed by mechanical readouts. The suspended arm for rapid exclusion from table can be requested, as an option, also for this fence.

The spindle moulder fences of F230A and F250A with programmable spindle and fence are fitted, on the standard version, with aluminium tables and connecting bars, to optimise support and guide of piece being machined and with a notable increase in safety for operator (in fig. 36.4 the "Supersafe" system). The aluminium tables and connecting bars can be requested as an option for the other versions of spindle moulder fences too.



→fig_36.4



→fig_36.5



→fig_36.6



→fig_36.7

MECHANICAL ADJUSTMENT

The fence is positioned in relation to the tool diameter, depth of pass and required spindle position, simply and easily.

On the manual versions the correct spindle working height can be controlled on a decimal mechanical readout; on the "M" versions the readout is electronic (on tilting spindle moulders there is a second readout to control spindle tilting). Due to this simple system of adjustment, changing from one type of machining to another is **extremely fast and with no need for test passes**.

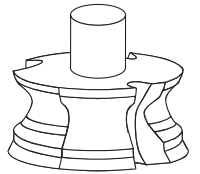
"M" versions speed up machine set-up due to spindle moulder powered movements.

(In figures 36.5 and 36.6, F250M adjustment system)

ELECTRONIC PROGRAMMING (F230A and F250A with programmable spindle and fence)

The F230A and F250A are equipped with an electronic programmer (fig. 36.7) for the positioning of the spindle and, on request, the spindle moulder fence. The NC-controlled electronic programming enables extremely fast and precise set-up. With few gestures it is possible to retrieve memorised programs or set required quotas directly.

SPINDLE MOULDERS
 "PL" AND "TPL" VERSIONS



Side extensions on machine table for a total support of 2540 mm.

Telescopic frontal extension.

"PL" VERSION

Machine table with 2 side extensions and telescopic front extension for moulding large pieces.



Side extension in infeed on machine table.

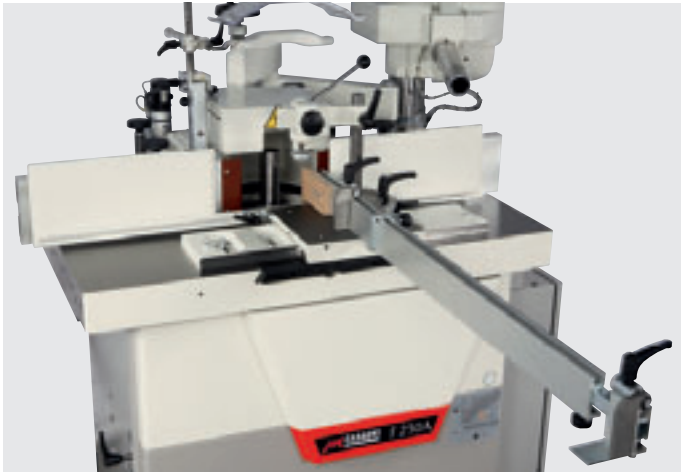
Telescopic frontal extension.

"TPL" VERSION

The tenoning sliding table runs sideways on a round steel bar. The tilting telescopic fence is complete with: 2 movable stops; reference memories for piece length; splinter shield with reference stop. Maximum diameter of tool for tenoning on "TPL" versions is 350 mm. For operator safety these versions are also supplied with a large dimensions hood, with exhaust outlet and arm shield.



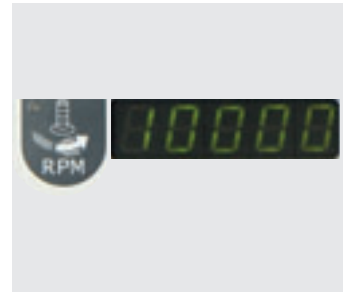
SPINDLE MOULDERS MAIN OPTIONAL DEVICES



SLIDING TABLE FOR SMALL TENONS FIXED ON TABLE
Complete with stops carrying fence which can be orientated (+/- 60°) on table, telescopic extension, and piece holder. Maximum tool diameter 250 mm with standard moulding fence.



MK5 INTERCHANGEABLE SPINDLE



INVERTER
To change speed from 900 to 10.000 rpm.
Only on F230A and F250A.



FEEDER SUPPORT WITH VERTICAL AND HORIZONTAL POWERED MOVEMENT

The column from which the overhead control panel hangs is also a support for the feeder, that enables powered height and horizontal adjustment of feeder in relation to the tool. The position is displayed on an electronic readout. The device enables the feeder to be totally excluded from worktable when not in use.

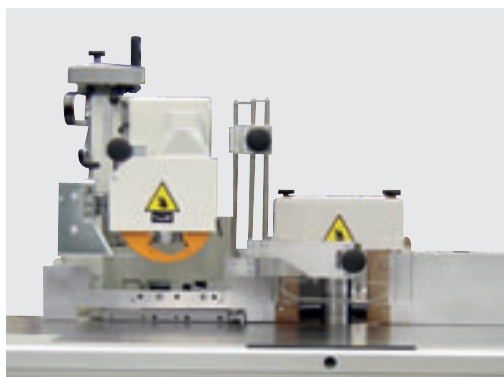
Only on F230A and F250A.

As an alternative, a FEEDER SUPPORT (not powered) with mechanical position readout is available for manual versions with overhead mobile control panel.

GLAZING BEAD UNIT

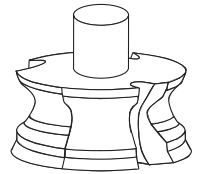
This unit, controlled entirely from the overhead mobile control panel, is supplied with a spindle moulder fence with an aluminium table in infeed and a steel table in outfeed; the outfeed table is fitted with an adjustable insert, complete with stops, to support the piece while recovering beading. The unit is also equipped with beading support device with anti-return breaker arm and piece guide which can be applied to table. The unit can be removed from the table when not in use (fig. 38.1).

Only on F230A and F250A "PL" or "TPL" versions.



→fig_38.1

SPINDLE MOULDERS TECHNICAL FEATURES



		F230/ F230M/ F230A	F250/ F250M/ F250A
Standard machine table dimensions	mm	1200x730	1200x730
Max. useful spindle length	mm	180	180
Spindle moulder tilting	degrees	-	-10° ÷ +45°
Spindle moulder speeds	rpm	3000-4500-6000-7000-10.000	3000-4500-6000-7000-10.000
Max. tool diameter when profiling	mm	250	250
Max. tool diameter when tenoning	mm	350	350
Max. dimensions of tool lowered under table at 90° (F230)	mm	300X85 (320x85)	300x130
Exhaust outlets diameter	mm	120	120
AVAILABLE MOTORS			
5,5kW 7,5HP 50Hz (6,6kW 9HP 60Hz) three-phase		●	●
7,5kW 10HP 50Hz (9kW 12HP 60Hz) three-phase		○	○
Net weight basic machine	kg	470	835

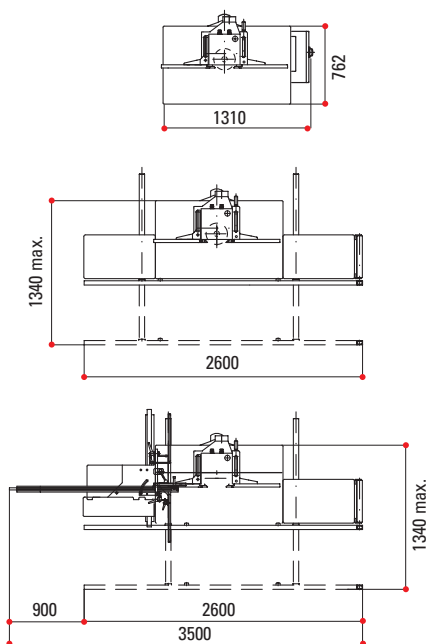
● = standard

○ = option

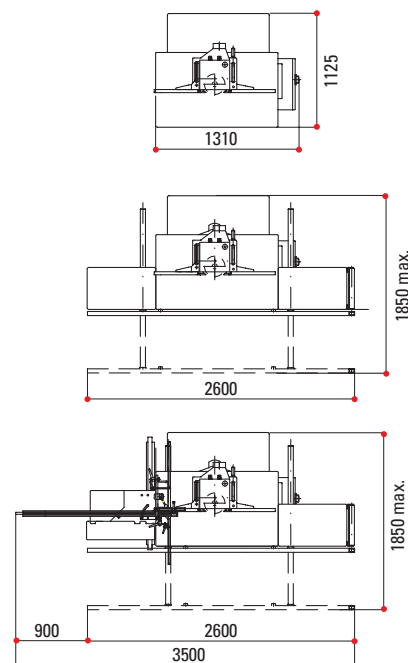
DIMENSIONS



F230, F230M, F230A



F250, F250M, F250A





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