FELDER®

FW Series

CLASSIC SURFACE FINISHING AS THE FOCUS!



FELDER®



FW Series
Classic surface finishing as the focus!

Solid wood

Panel material



With ultra-modern processing techniques, the furniture industry sets standards so high, that they are almost unachievable for standard cabinetmakers. To remain competitive, workpieces have to be processed to perfection at every stage. The Felder wide belt sanders FW 850 classic, FW 950 classic and FW 1102 classic are an affordable introduction to professional woodworking and impress with high-quality system solutions even in the standard version. The FW 1102 perform also features the complete package for precise lacquer intermediate sanding as standard.

Your advantages:
» Pre-sanding and finish sanding all in one step
» Contact roller aggregate
» Fine sanding unit with segmented, electro pneumatic sanding pad, 25 mm segment width
» Digital grain compensation
» Vacuum table incl. ventilator
» Variable feed speed adjustment 2.5–18 m/min
» Brushing unit

Variations
Models & Your Advantages



FW 850 classic

» Sanding height 3–155mm
» Sanding width: 850 mm
» Combination unit with pneumatic sanding shoe
» Feed speed: 4 and 8 m/min

VIDEO



FW 950 classic

» Sanding height 3–170 mm
» Sanding width 950 mm
» Combination unit with pneumatic sanding shoe
» Feed speed: continuously variable 2.5–10 m/min



FW 1102 classic

» Sanding height 3–170 mm
» Sanding width 1100 mm
» Contact roller unit Sanding pad unit with pneumatic sanding shoe
» Feed speed: continuously variable 2.5–10 m/min



FW 1102 perform

» Sanding height 3–170 mm
» Sanding width 1100 mm
» Contact roller unit Sanding pad unit with segmented, electro-pneumatic sanding shoe, 25 mm segment width, vacuum table
» Feed speed: variable 2.5–18 m/min

Choosing Felder – a risk-free decision

» The right machine for every budget
» Complete reliability in professional use
» Tailor made machine solutions
» High quality cast iron machine table and aggregates
» Innovative detail solutions derived from 70 years of experience – already included in the standard configuration
» First class manufacturing and finishing standards
» Intuitive application concepts
» Modern, distinct design
» Quality and precision from AUSTRIA
» Powerful and efficient
» Complete package: Comprehensive service support

The most important highlights at a glance



Perfect sanding result
Powerful motors ensure perfect sanding results. The totally vibration-free power transmission to the sanding units is key to the high-quality surface finish.



Belt guidance
The sanding belt control system scans the belt run and activates the electronic-pneumatic sanding belt control, which oscillates the sanding belt back and forth. The belt control system monitors the movement of the sanding belt and stops its motor immediately should the belt come off the track.

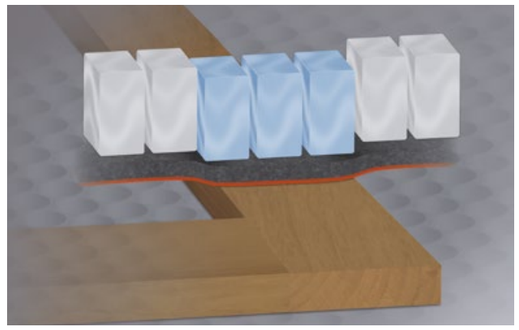


Quickly, easily and conveniently!
The sanding belt can be changed quickly and without the use of tools, ensuring easy set-up without lengthy downtimes.

FW 1102 perform details



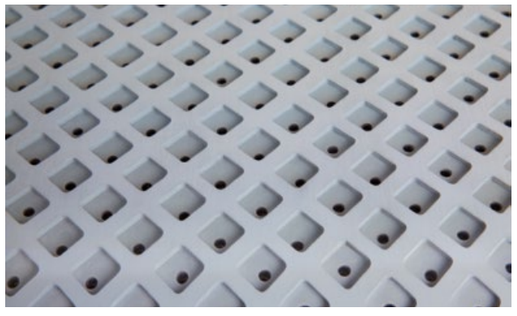
Touchscreen control for maximum operating comfort
The clearly structured and intuitive control panel provides maximum productivity. The machine functions that are available are shown graphically and controlled using high quality switches. The infeed thickness is clearly shown on the digital display and by using the push button can be adjusted with an accuracy of 0.1 of a millimetre.



Segmented sanding pad
Both frame sanding and lacquer sanding can be performed with the electro-pneumatic segmented sanding shoe. The respective segments are activated based on the application.



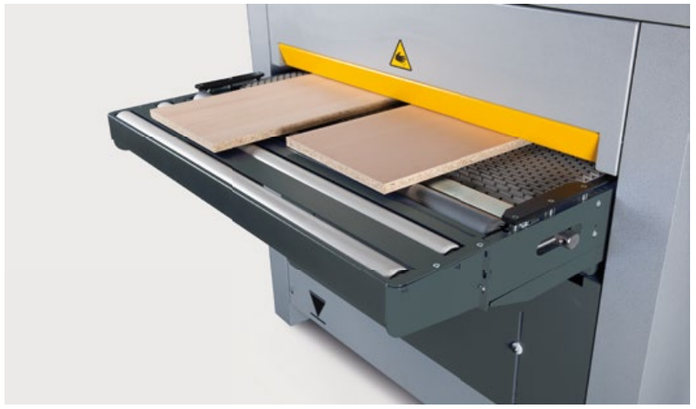
2 processing units
Pre-sanding and finish sanding all in one step



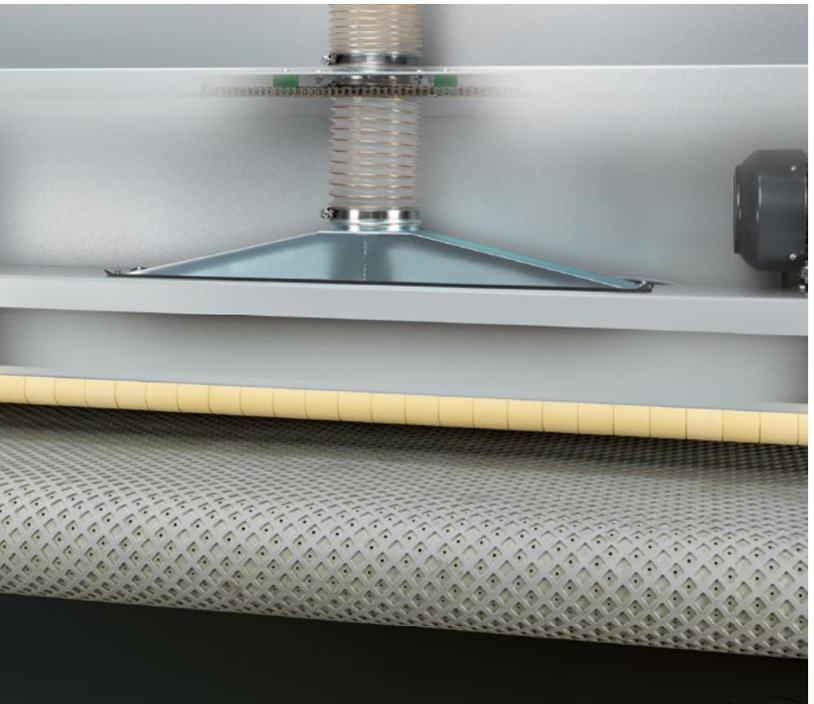
Vacuum table
The wide belt sander can also be equipped with a vacuum table which is particularly useful for smooth, small or thinner workpieces. The vacuum is created by a high pressure fan which is coupled with the feed. The vacuum holds the workpiece through the holes in the vacuum feed belt.



Feed rate
The feed speed can be continuously adjusted from 2.5 to 18 m/min. If necessary, the speed can also be adjusted during the sanding process. This ensures that the feed rate is always optimised to adapt to the material and the sanding belt grit.



Feed and delivery roller table (Option)
Upon request we can equip your Felder wide belt sander with an additional roller support both on the infeed and outfeed side of the machine.



Brushing unit
An optional workpiece brushing unit is possible on the outfeed side of the machine. Different brush types can be used. Different brushes can be inserted and used to clean, polish or structure the workpiece surface.



Workpiece detection device at the infeed belt (optional)
Highest degree of processing safety is guaranteed when adjusting the working height: The workpiece thickness is determined by pressing the workpiece onto the lower sensor. The measuring device adjusts the passage height exactly to the material thickness, deducting the desired chip removal.

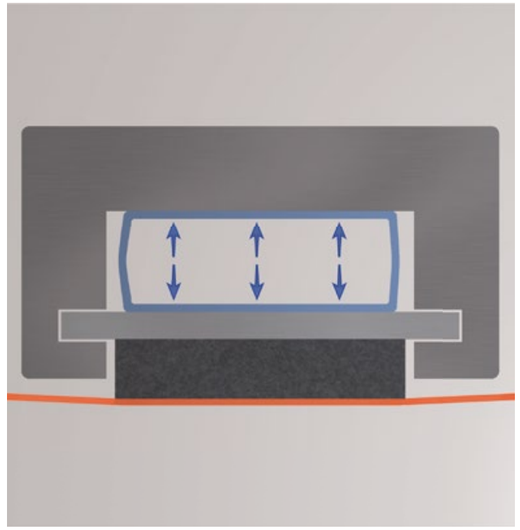


Wireless thickness measurement
Automatic thickness measurement facilitates adjustment of the machine to the desired workpiece thickness. The workpiece is measured directly on the machine without additional measuring devices being required. The required sanding depth can be set in + or - using the adjustment wheel. This wireless option makes it possible to measure the workpiece in front of the machine. The thickness is transferred wirelessly to the machine.

FW 1102 classic details



Adjustment of the aggregates
The power unit, feed speed and sanding thickness can be adjusted easily, quickly and precisely directly via the control panel. The digital grit adjustment, for which the machine does not need to be opened, adds another highlight. Via the display the machine is set to the correct sanding belt grit size or can be switched to using a sanding shoe.



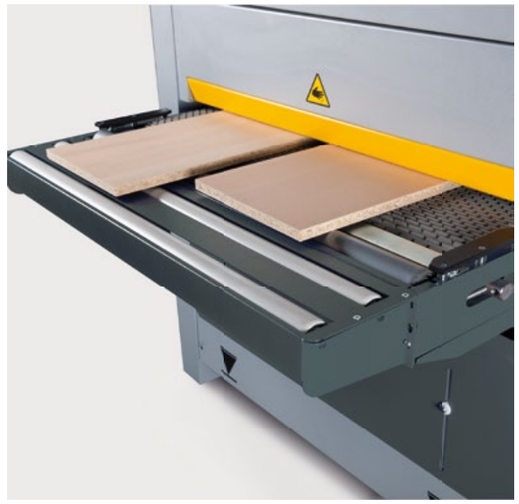
Electro-pneumatic sanding pad
Sanding pad for fine work The continuous, electro-pneumatic sanding shoe operates application-controlled. Graphite coating ensures a long-lasting, superior, and homogeneous sanding pattern.



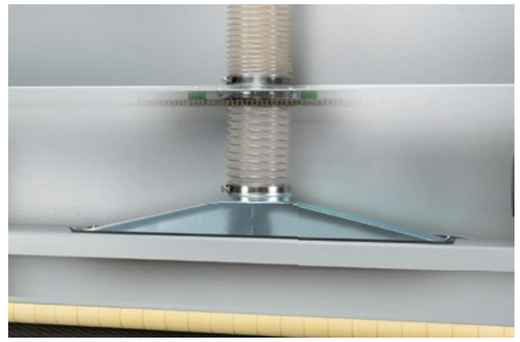
2 processing units
Pre-sanding and finish sanding all in one step

Feed rate
The feed speed can be continuously adjusted from 2.5 to 10 m/min. If necessary, the speed can also be adjusted during the sanding process. This ensures that the feed rate is always optimised to adapt to the material and the sanding belt grit.





Feed and delivery roller table (Option)
Upon request we can equip your Felder wide belt sander with an additional roller support both on the infeed and outfeed side of the machine.



Brushing unit
An optional workpiece brushing unit is possible on the outfeed side of the machine. Different brush types can be used. Different brushes can be inserted and used to clean, polish or structure the workpiece surface.



Workpiece detection device at the infeed belt (optional)
Highest degree of processing safety is guaranteed when adjusting the working height: The workpiece thickness is determined by pressing the workpiece onto the lower sensor. The measuring device adjusts the passage height exactly to the material thickness, deducting the desired chip removal.

FW 950 classic details



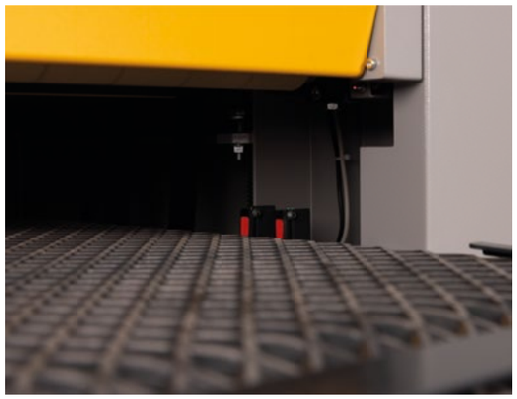
15" smartouch control for maximum operating comfort
The clearly structured and intuitive control panel provides maximum productivity. The infeed thickness is clearly shown on the digital display and can be adjusted to an accuracy of a tenth of a millimetre. The digital grit adjustment, for which the machine does not need to be opened, adds another highlight. Using the 15" smartouch the machine can be set to the correct sanding belt grit size or switched to sanding using a sanding shoe.



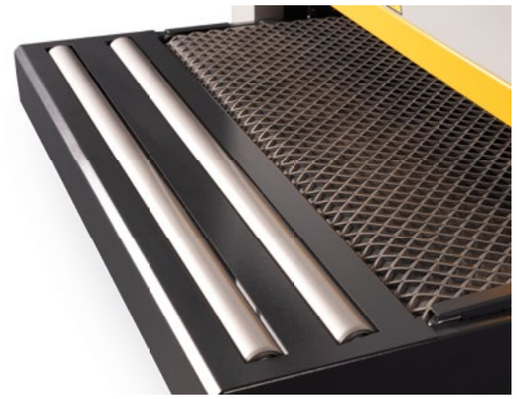
Combination sanding aggregate
The combination unit with a roller diameter of 125 mm is used for the calibration of solid wood. The electro-pneumatic sanding pad presses gently and evenly onto the workpiece surface. This also allows veneered workpieces to be sanded.



Feed rate
The feed speed can be continuously adjusted from 2.5 to 10 m/min. If necessary, the speed can also be adjusted during the sanding process. This ensures that the feed rate is always optimised to adapt to the material and the sanding belt grit.



Automatic workpiece thickness measurement (optional)
Maximum process reliability guaranteed when setting the working height: As the workpiece is fed into the machine, the workpiece thickness is automatically adjusted by means of fibre optic and laser sensors. The measuring device adjusts the passage height exactly to the material thickness, deducting the desired chip removal.



Feed and delivery roller table (Option)
Upon request we can equip your Felder wide belt sander with an additional roller support both on the infeed and outfeed side of the machine.



Belt Consumption Optimiser (BCO) to achieve maximum belt utilisation (optional)
BCO is a new feature for monitoring the wear of the sanding belt. The operator receives an indication as to which part of the sanding belt is less worn and can therefore feed the workpieces at this point - thus preventing irregular wear of the sanding belt.

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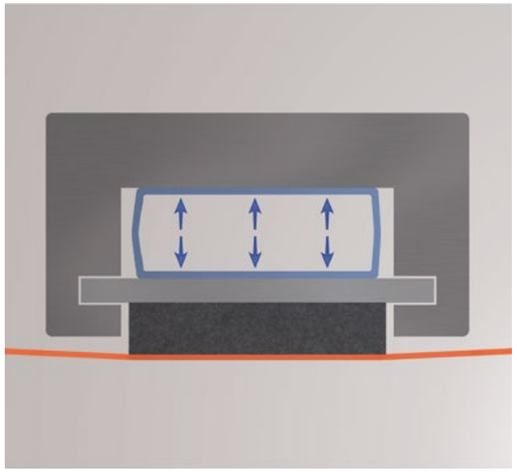
Details FW 850 classic



Easy to use control panel
The clearly structured and intuitive control panel provides maximum productivity. Via the main control panel you can set the worktable to the workpiece thickness, fine-adjust it in 0.1 mm increments, select the desired feed speed and start the machine. The use of contact roller or sanding pad is done via the additional control panel, which is also used for fine adjustments of the sanding pad pressure. This way, optimum sanding results can be achieved.



Combination sanding aggregate
The combination unit with a roller diameter of 90 mm is used for the calibration of solid wood. The electro-pneumatic sanding pad presses gently and evenly onto the workpiece surface. This also allows veneered workpieces to be sanded.



Electro-pneumatic sanding pad
Sanding pad for fine work The continuous, electro-pneumatic sanding shoe operates application-controlled. Graphite coating ensures a long-lasting, superior, and homogeneous sanding pattern.



Feed rate
Machine operators can choose between two feed speeds, 4 and 8 m/min.
If necessary, the speed can also be adjusted during the sanding process.

Product range



K 945 S/PCS® · K 945 S x-motion/PCS® · K 740 S/PCS® · K 740 S x-motion/PCS® · K 740 professional/PCS® · K 740/PCS®



K 700 S/PCS® · K 700 professional/PCS® · K 700/PCS® · K 540 S · K 500 S · K 500 professional · K 500

Sliding Table Panel Saws



F 900 M · F 900 Z · F 700 M · F 700 Z · F 500 MS · F 500 M

Spindle Moulders



AD 951 · AD 941 · AD 741 · AD 531 · A 951 L · A 941 · D 951 · D 963

Planers



FB 940 RS / FB 740 RS · FB 940 S/SW / FB 740 S/SW · FB 940/840 / FB 740/640 · FB 710 / FB 610 / FB 510

Bandsaws



KV 925

Industrial Panel Saw



FW 1352 perform
FW 1352 classic
FW 1102 perform
FW 1102 classic
FW 950 classic
FW 850 classic

Wide Belt Sanding Machines



G 383 · G 363/R · G 330 · G 263 · G 220 · ForKa 300 S eco

Edgebanders



KF 700 S professional · KF 700 professional · KF 700 · KF 500 professional · KF 500

Saw/Spindle Moulders



CF 741 S professional · CF 741 professional · CF 741 · CF 531 professional · CF 531

Combination Machines



FD 29 professional · FD 21 professional · FD 250

Dowel Boring Machine,
Drilling Machine & Horizontal Mortiser

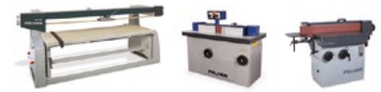
MVP 31.14 flex

Membrane Press



structura 60.02 · structura 40.02

Brushing Machines



FS 722 · FS 900 KF · FS 700 K

Belt- & Edge Sanders



RL 350 perform · RL 350 · RL 300 · RL 250 · RL 200 · RL 160 · RL 140 · RL 125



AF 35 · AF 30 · AF 25 · AF 22-D200 · AF 22 M/W/S · AF 16 · AF 14 · AF 12 · FBP 50/60/70

Extraction Units & Briquetting Presses

EUK

FELDER®

FELDER Quality and precision in a nutshell

Since 1956, a guarantee for perfect results with excellent ease of use and reliability in regular professional use. Woodworkers are always enthusiastic about the individual and solid solutions for small and mid-sized businesses.

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