

The first choice, when the "finish" of your workpiece surface must be better than perfect

finish





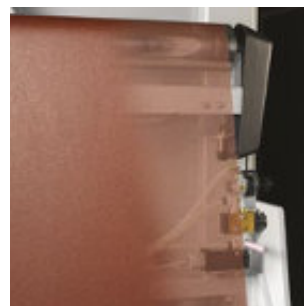
For results that impress

Format-4 wide belt sanders are sturdily built, incorporate the latest technology and guarantee maximum productivity. The choice is yours: 1,100 mm or 1,300 mm working width, different sanding aggregates and aggregate combinations and much more. With premium quality, absolute precision and maximum operating comfort a perfect finish is guaranteed regardless of the challenge.



finish 1102





Sanding height
3–170 mm

Continuous feed belt
for maximum
durability

Simple adjustment
of the aggregates

Sanding pad for fine
sanding including
quick change system

Sanding belt guidance
with a modular
light beam

Brushing unit

Aggregates



Contact roller aggregate

The profiled contact roller (with 85° shore) guarantees precision without compromise when calibrating. Contact rollers optionally available in steel. With its flexible grit compensation, the roller can be adjusted to any position for the exact grit size.



Combination aggregate with sanding pad

The aggregate is a combination of the rubber contact rollers and a sanding pad. The profiled contact roller (also available in steel) guarantees maximum precision when calibrating. With its flexible grit compensation, the roller can be adjusted to any position for the precise sanding belt thickness. A contact free optical sensor controls the sanding belt oscillation ensuring an optimal centralisation and maximum operating smoothness.

Control

Control panels 1100/1300

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

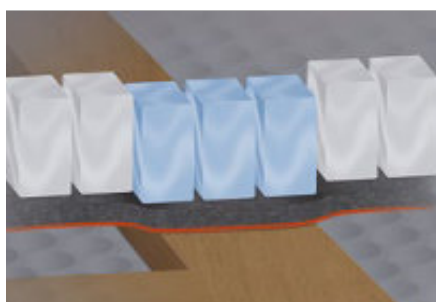
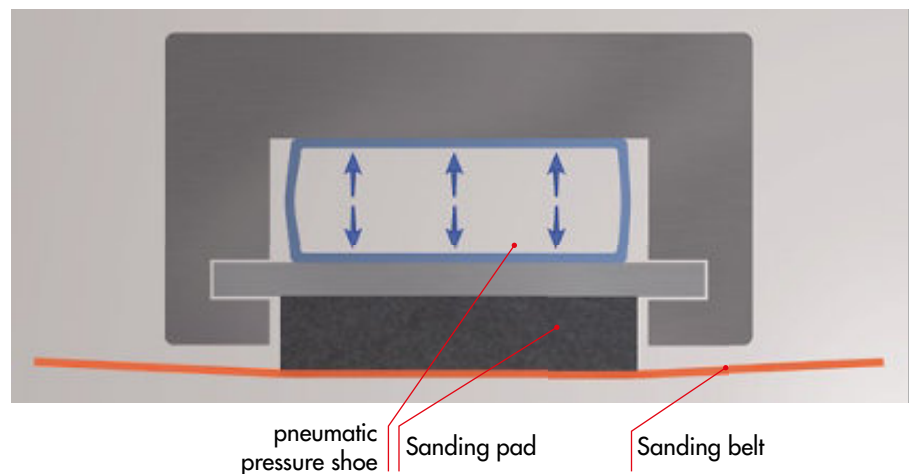
The machine can be equipped with a touch screen control either as an option or as standard with the segmented sanding pad. All of the settings can be carried out intuitively and comfortably from the centrally located control panel. Using the touch screen control panel the parameters can be saved as a program and loaded whenever they are required, ensuring maximum process reliability.



Sanding pads

Electro-pneumatic sanding pad (EP) for fine and veneer sanding

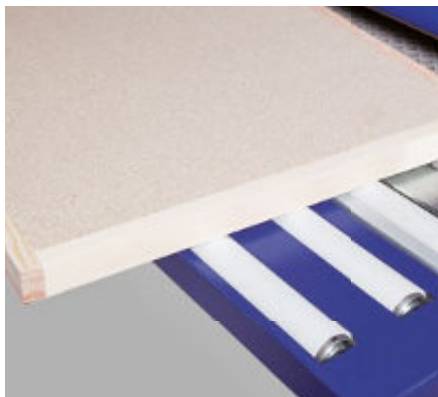
The electro-pneumatic sanding pad (EP) distributes pressure uniformly over the whole surface and adapts itself to the surface. Surface tolerances are balanced out. The pneumatic engage/disengage function prevents sanding through the veneer and also the front as well as the rear side of the workpiece.



Segmented electro-pneumatic sanding pad

The segmented, electro-pneumatic sanding pad is used especially for lacquer sanding with a semi gloss finish and for workpieces with round or acute-angled design. The subdivision of the pressure bar into individual parts as well as the touch screen control of the engage/disengaging points and segments, enable the exact definition of the sanding area. Using the touch screen control panel the parameters can be saved as a program and loaded whenever they are required, ensuring maximum process reliability.

Options



Infeed and outfeed roller table

As an option, we are able to equip your Format-4 wide belt sander with roller extension tables both on the infeed and outfeed side.



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.



Pneumatic selection of the contact rollers

This option makes it possible to switch the contact rollers on/off from the control panel. Together with the storable programs, the flexible use of the machine is made considerably easier.

Technical specifications

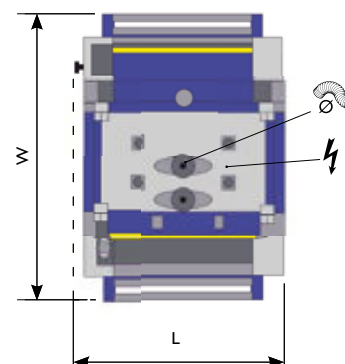


	finish 1102	finish 1302
Sanding belt motor	11 kW (15 HP)	11 kW (15 HP)
Motor frequency	50/60 Hz	50/60 Hz
Ammeter for aggregate load monitoring	S	S
Sanding belt	1,110 x 2,200 mm	1,310 x 2,200 mm
Vacuum table with fan	4.5 kW	4.5 kW
Roller table extensions for workpiece feed	300 mm	300 mm
Variable feed speed adjustment inverter	2.8–20 m/min	2.8–20 m/min
Working height	780–893 mm	780–893 mm
Length [L]	1,604 mm	1,804 mm
Width [W]	2,232 mm	2,232 mm
Weight (depending on equipment, without packaging)	2,150 kg	2,350 kg
Extraction connection (without additional equipment)	2x 160 mm	2x 200 mm

S ... Standard

Space requirement

Scale
1:50



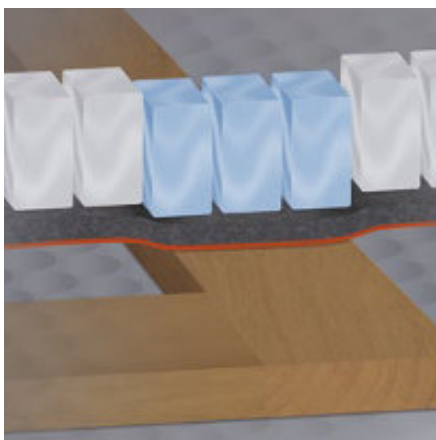
Symbolic image finish 1102, finish 1302



Further information about the technical data, individual configuration options and all noise level values can be found on the internet at www.format-4.com

Dimensions given can vary if special options are selected

Intermediate lacquer sanding (finish I102/I302, finish I350 classic/classic gloss)



Segmented sanding pad

The segmented, electro-pneumatic sanding pad is used especially for lacquer sanding with a semi gloss finish and for workpieces with round or acute-angled design.



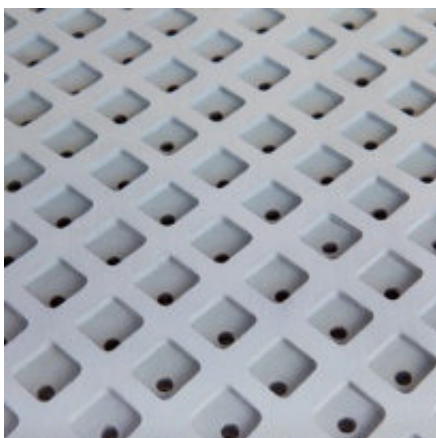
Variable feed speed adjustment

Optionally the feed speed can be variably adjusted and set between 3.7–16m/min.



Cleaning air jets

The cooling and cleaning air jets extend the life of the sanding belt. The operation control ensures economical use of the compressed air.



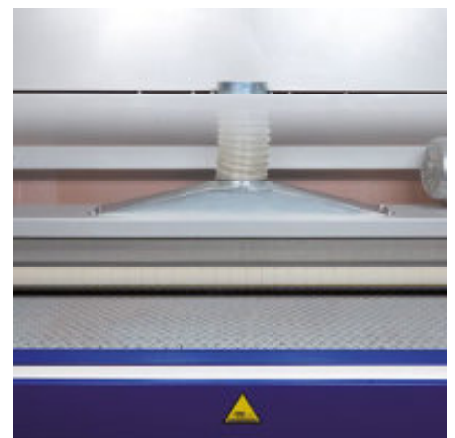
Vacuum table

The optional vacuum table makes it possible for small or smooth workpieces to be processed.



Variable sanding belt speed

The sanding belt speed can be adjusted from 2.4–19 m/sec to suit different surfaces.



Brushing unit

The brushing unit mounted on the outfeed side can be fitted with a wide range of brushes. The workpieces can be cleaned, polished or structured depending on the type of brush.

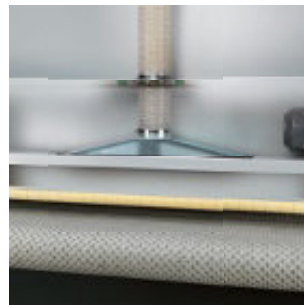
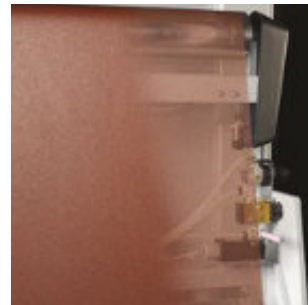
finish 1350 classic



For a more than convincing finish

Solid design, high quality system components and perfect results - The premium model series "finish" will now be expanded to include two additional wide belt sanders: "finish 1350 classic" and "finish 1350 classic gloss". The new machines convince with maximum processing dimensions combined with the brand new super finish unit with chevron belt and electro-pneumatic segmented sanding pad as well as touch screen control.





Fixed feeding table
at 900 mm

Simple adjustment
of the aggregates

Cross sanding
aggregate for a high
gloss finish

Sanding belt guidance
with a modular
light beam

Brushing unit

Table extension



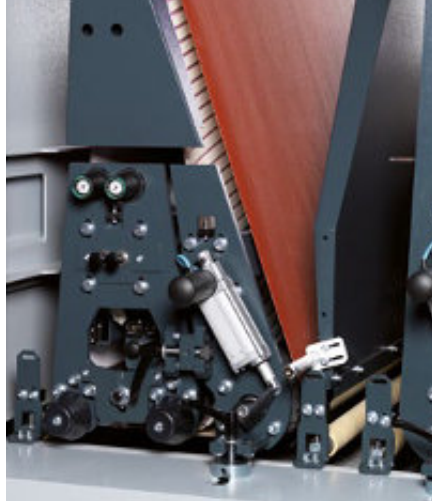
finish 1350 classic gloss

Aggregates



Contact roller aggregate

Contact roller aggregate with rubber contact roller (55 shore) for fine sanding work. Motorised grain compensation control from the operating panel.



Combination super finish aggregate

In addition to the contact roller, the combination super finish aggregate also has a sanding cushion with a felt glide coating (chevron belt). This glide belt applies an even softer sanding pressure on the workpiece and is used predominantly for the sanding of lacquered workpieces and for high-gloss materials. The completely uniform pressure, levels out all oscillation marks and guarantees a homogenous sanding result. The super finish aggregate has a segmented electro-pneumatic sanding pad included. Excellent sanding results are guaranteed even when processing round or angled workpieces.



Cross belt sanding aggregate for a high gloss finish

The cross belt sanding aggregate equipped with an electro-pneumatic sanding pad and chevron belt as standard is particularly suited for the processing of lacquered surfaces and high gloss production. Rough wood fibres that cross the grain are removed by the sanding belt and the subsequent wide belt then smooths the surface. The cross sanding direction ensures that there are considerably less wood fibres and a noticeably smoother end result is achieved.

Feed table



The feed speed can be continuously adjusted from the control panel between 2.8–20 m/min as standard.

Control

Control panel

The clearly structured and intuitive control panel provides maximum comfort and 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 can be adjusted to an accuracy of a tenth of a millimetre by using the push button.



Options

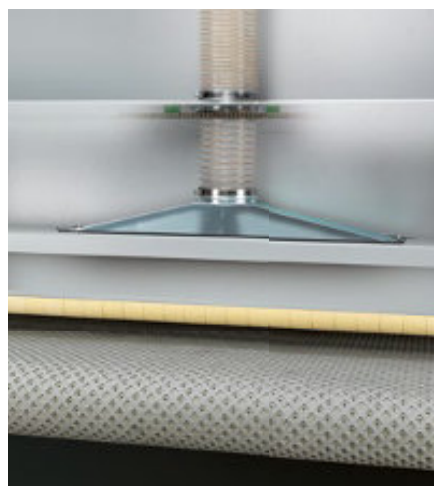
Table extensions

The table extensions improve the angle at which workpieces are fed into the machine and also make it easier to work



Brushing unit

An optional workpiece brushing unit is possible on the outfeed side of the machine.



Cleaning/structuring brushes

Different brush types can be used for cleaning, polishing or structuring.

Technical specifications



	finish 1350 classic	finish 1350 classic gloss
Sanding belt motor	11/15 kW	11/15 kW
Motor frequency	50/60 Hz	50/60 Hz
Ammeter for aggregate load monitoring	S	S
Sanding belt	1,370 x 2,200 mm	1,370 x 2,200 mm
Vacuum table with fan	4.5 kW	4.5 kW
Roller table extension for workpiece infeed	300/900 mm	300/900 mm
Variable feed speed adjustment inverter	2.8–20 m/min	2.8–20 m/min
Working height	900 mm	900 mm
Length [L]	2,200 mm	2,200 mm
Width [W]	2,100 mm	2,100 mm
Weight (depending on equipment, without packaging)	2,350 kg	2,350 kg
Extraction connection (without additional equipment)	2x 200 mm	2x 200 mm

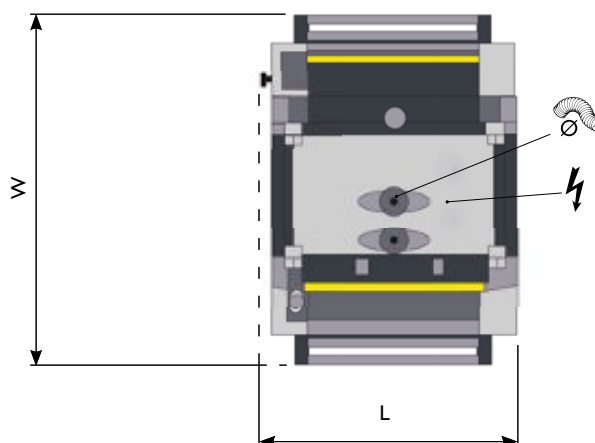
S ... Standard



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Space requirement

Scale
1:50



Symbolic image finish 1350 classic, finish 1350 classic gloss

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