

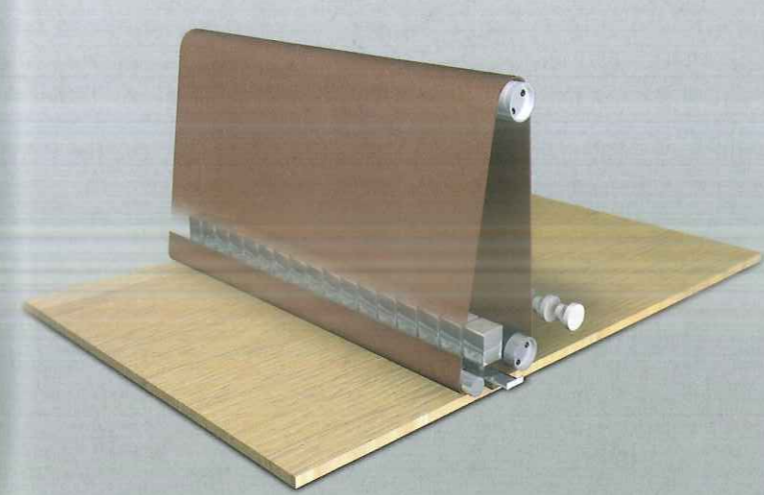
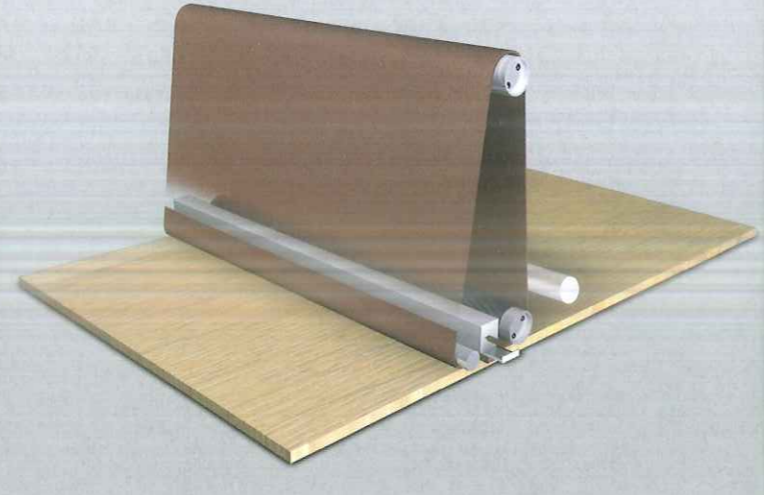
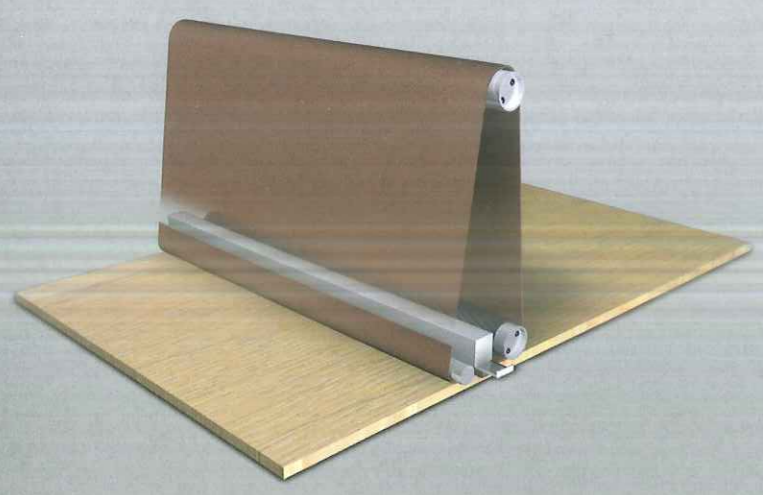
finish 1100, finish 1300

The only choice when you are looking for a more than perfect finish on your workpiece!

Beneath a layer of perfectly varnished, waxed or oiled woodsurface is always a perfectly sanded surface. FORMAT-4 differentiate themselves based on their solid construction, ground breaking technology and optimal productivity.

At FORMAT-4 the choice is yours: 1100 mm or 1300 mm workable width, various sanding modules and much more. The expected FORMAT-4 quality, the precision and the user friendliness, remain present.





Combination module 'Standard'

- Rubber pressure bar (70 Shore) for calibrating the machine
- Sanding pad for fine work

Deployment area, working practice:

- The combination module 'standard' is generally used in the solid wood industry
- According to the sanding paper grade, engine power and in-feed speed you are able to control the finish
- After having calibrated the pressure bar, you are able to fine tune the sanding shoe for a perfect finish

Combination module with electro-pneumatic sanding pad

- Rubber pressure bar (70 Shore) for calibrating the machine
- Electro-pneumatic sanding shoe for fine work and veneer work

Deployment area, working practice:

- The combination module with electro-pneumatic sanding shoe is used mainly for massiv wood and veneer work
- According to the sanding paper grade, engine power and in-feed speed you are able to control the finish
- After having calibrated the pressure bar, you are able to fine tune the electro-pneumatic sanding shoe for a perfect finish
- Upon initiation of the sanding process, the electro-pneumatic sanding shoe is lowered 1/10 mm onto the workpiece. This avoids the risk of penetrating the veneer at the front and rear of the workpiece. The guidance system is steered by a distance trigger and impulse counter system. According to the infeed speed, the impulse counter regulates the movement of the sanding pad

Combination module with segmented-electro-pneumatic sanding pad

- Rubber pressure bar (70 Shore) for calibrating the machine
- Segmented, electro-pneumatic sanding shoe for fine work and veneer work for various workpiece thicknesses

Deployment area, working practice:

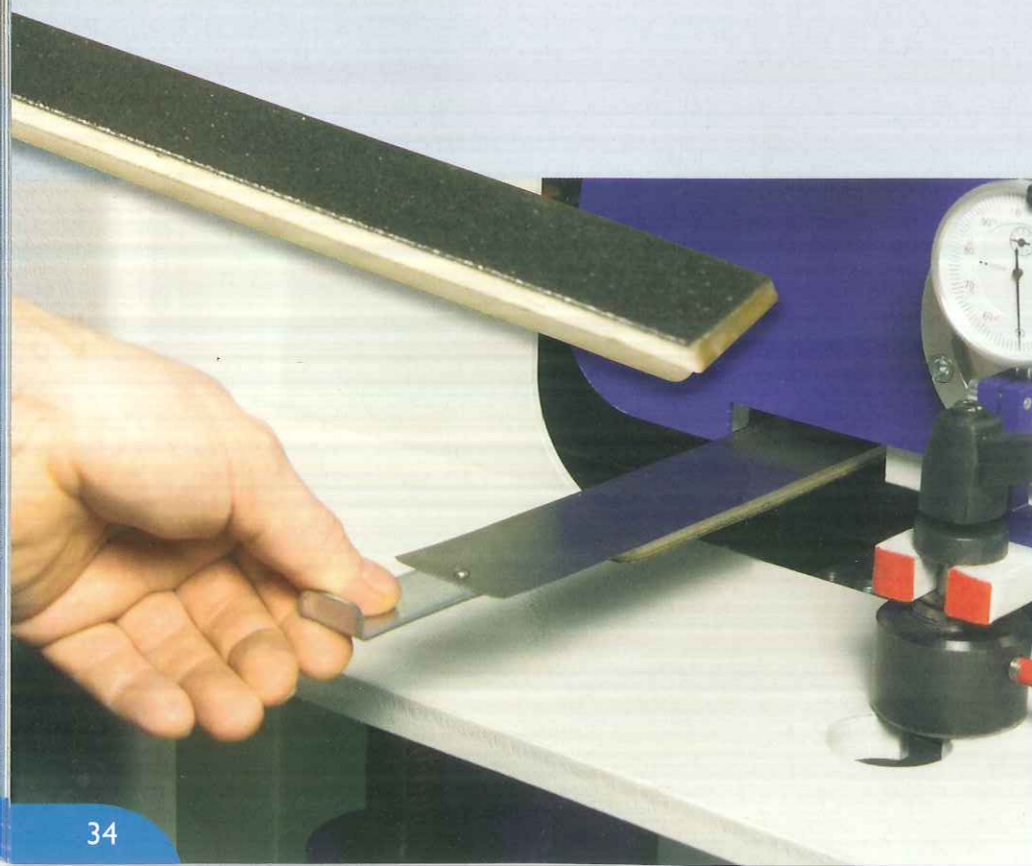
- The combination module with segmented, electro-pneumatic sanding shoe is particularly useful when working with veneered surfaces of varying depths or shapes.
- According to the sanding paper grade, engine power and in-feed speed you are able to control the finish
- After having calibrated the pressure bar, you will be able to attain a perfectly sanded surface with the segmented, electro-magnetic sanding shoe, especially when working with workpieces of varying depths or shapes across the workpiece.
- Sensors assess the workpiece and lower pressurised segments (scale 45 mm) by exactly 1/10 mm onto the sanding shoe, thereby eliminating the risk of penetrating the veneer. The system guidance is carried out by a distance indicator and impulse counter. The impulse counter, corrects the sanding shoe movement according to the infeed speed.
- The segmented, electro-pneumatic sanding shoe can be turned on and off. When the segments are inactive, the sanding shoe works across the entire workpiece width.
- Individual segments can be deactivated and reactivated. You can hereby ensure that the machine only sands the width of the workpiece.

Contact-bars-module and combination module

- Pressure bar module with rubber contact bar (70 shore) for calibration work
- Combination module with rubber pressure bar (50 shore) for calibration work
- Sanding pad for fine sanding according to your desired standard, with electro-pneumatic sanding shoe or with segmented, electro pneumatic sanding shoe

Deployment area, working practice:

- The belt sander has two sanding modules and is therefore able to carry out pre- and fine sanding in the same process. Thus raising your productivity by 50%!



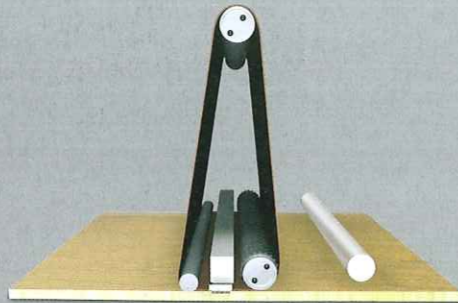
All of our wide belt sanding machines are delivered along with an additional sanding pad. (idealy one should be kept for sanding smaller workpieces)

Module Combinations

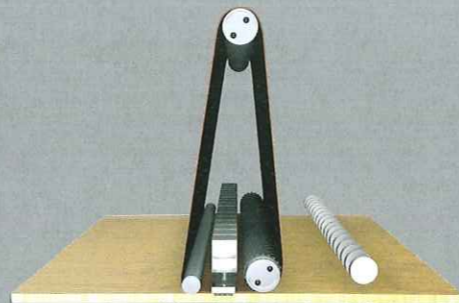
Combination module
'Standard'



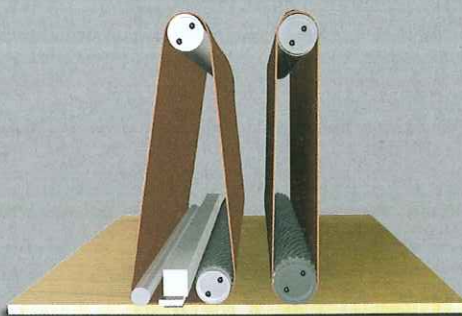
Combination module with electro-pneumatic sanding pad



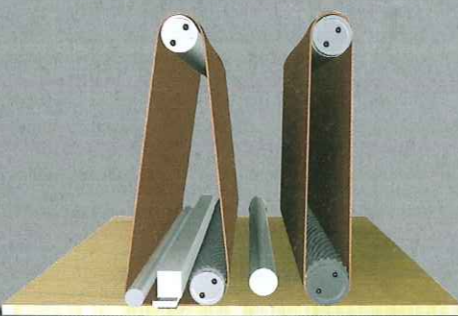
Combination module with segmented-electro-pneumatic sanding pad



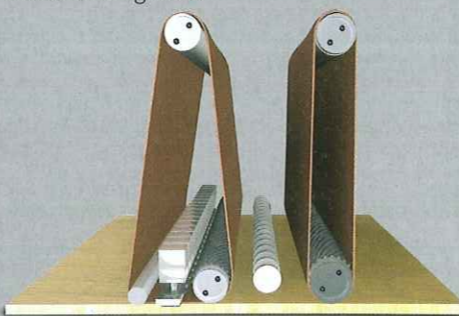
Pressure bars and combination module 'standard'



Pressure bar module and combination module with electro-pneumatic sanding shoe



Pressure bar module and combination module with segmented electro-pneumatic sanding shoe



The basics for working with a wide belt sander

Calibration

Sanding at the same height, the result is an even workpiece

Levelling

The result is a poorly machined, uneven work-surface.

Pre-sanding

Scrubbing with rough sandpaper

Fine-sanding

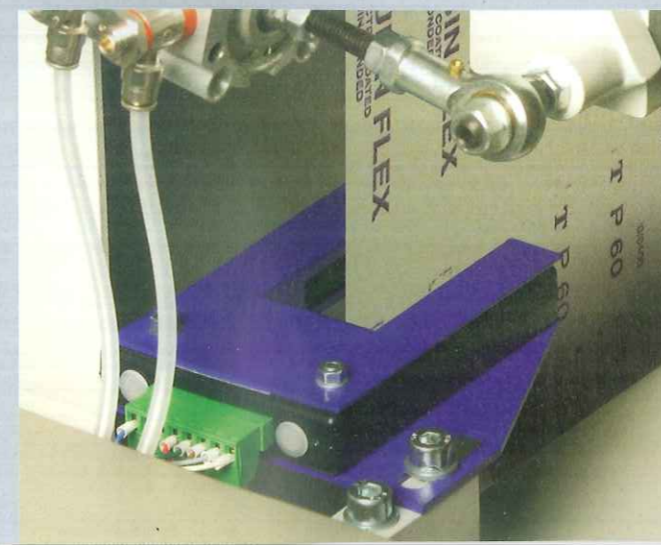
Finishing the workpiece using a fine sanding paper to allow further treatment such as oiling, wax or laquer

Powerful motors ensure perfect sanding results. The constant power transfer is a significant factor for the high quality sanding finish.



The belt guidance system assesses the workpiece using a lightbeam and activates the electro-pneumatic belt guidance system, which adjusts the belt forwards and backwards.

The belt control system regulates the running of the belt with electronically guided photo cells. Should the belt be at risk of coming loose, the belt control system cuts the belt motor immediately.



The in-feed speed stands at 4.4 meters per minute. Per request, FORMAT-4 will equip your machine with a variable speed regulator capable of 4-15 m per minute. According to the type of wood and type of sanding paper the sanding depth decreases as the infeed speed increases.



Adjustment of the sanding modules is quick, simple and exact. For combination modules, the pressure bar can be engaged as well as disengaged. The pressure bar height can also be adjusted in order to allow for grit compensation



finish 1100
finish 1300



If required we are able to equip your FORMAT-4 wide belt sander with roller extension tables both on the infeed and outfeed side



FORMAT-4 woodworking machines have been tested by leading European institutions and are supplied including safety equipment and protection means required in the country of destination.

The illustrations may sometimes show special equipment and accessories not included in standard machinery. We are not liable for any changes in technical data subsequent of going to print. For standard equipment and prices please see the latest pricelist.



	finish 1101	finish 1301
A mm	2007	2130
B mm	1726	1926
C mm	1158	1158

	finish 1102	finish 1302
A mm	2007	2130
B mm	1726	1926
C mm	1430	1430

Technical data,
equipment to suit your personal needs:

POS	Electrics	finish 1101	finish 1301	finish 1102	finish 1302
001	3x 400 V motor voltage	S	S	S	S
005	50 Hz motor frequency	S	S	S	S
008	15.0 hp (11.0 kW) sanding-belt motor for the combination unit CU	S	S	-	-
008	25.0 hp (18.5 kW) sanding-belt motor for the combination unit CU	-	-	S	S
011	15.0 hp (11.0 kW) sanding-belt motor for the contact-roller unit C	-	-	O	O
012	20.5 hp (15.0 kW) sanding-belt motor for the contact-roller unit C	-	-	O	O
	STAR-delta-START	S	S	S	S
	0.35 hp (0.25 kW) height-adjusting motor	S	S	S	S
	0.50 hp (0.37 kW) feeder motor	S	S	S	S
	Thermal overload and short-circuit protection for all motors	S	S	S	S
	Ammeter for monitoring the electrical load on the units	S	S	S	S
	Pressure monitor	S	S	S	S
	Automatic sanding-belt brake	S	S	S	S
	Sanding unit and sanding cushion	-	-	S	S
	Contact-roller unit C	-	-	S	S
	Combination unit CU (contact roller and sanding cushion)	S	S	S	S
	Hardness of the contact roller C 70° Shore	-	-	S	S
	Hardness of the contact roller C 70° Shore	S	S	-	-
	Hardness of the contact roller C 50° Shore	-	-	S	S
300	Electro-pneumatic sanding cushion EPS	O	O	O	O
400	Segmented sanding cushion SS	O	O	O	O
	The sanding cushion can be replaced quickly and easily	S	S	S	S
	Sanding width 1100 mm	S	-	S	-
	Sanding width 1300 mm	-	S	-	S
	Sanding height 150 mm	S	S	S	S
070	Sanding height 180 mm	O	O	O	O
	Sanding belt is oscillated electro-pneumatically	S	S	S	S
	Electronic run-off protection for the sanding belt	S	S	S	S
	Pneumatic tensioning of the sanding belt	S	S	S	S
	Sanding belt 1110 x 1900 mm (width x length)	S	-	S	-
	Sanding belt 1310 x 1900 mm (width x length)	-	S	-	S
	Feeder table				
019	Electronic height control for the table	S	S	S	S
	Electronic positioning control for the table	O	O	O	O
	Digital display shows the height of the feeder table	S	S	S	S
	Tracer unit for work piece thickness on the feed table	S	S	S	S
	Feeder drive 4.4 m/min.	S	S	S	S
016	Feeder drive infinitely variable between 2.2 and 11 m/min.	O	O	O	O
	Mechanical vibration-absorbing rubber pressure rolls	S	S	S	S
	Hand guard and over-thicknessing protection for the workpiece	S	S	S	S
	Important Accessories				
085	Roller-table extension 300 mm for workpiece infeed-side	Z	Z	Z	Z
086	Roller-table extension 300 mm for workpiece outfeed-side	Z	Z	Z	Z
087	Roller-table extension 700 mm for workpiece outfeed-side	Z	Z	Z	Z
	General				
	Vacuum connector Ø 160 mm	S	S	-	-
	Vacuum connector Ø 200 mm	-	-	S	S
	Machine packing dimensions (length x width x height)	1826 x 1258 x 2017	2026 x 1258 x 2140	1826 x 1530 x 2017	2026 x 1530 x 2140
	Weight, kg (with average equipment)	1125	1275	1500	1650

S= Standard equipment O= Option - with extra charge W= Optional equipment at no extra cost Z= Accessories- with extra charge