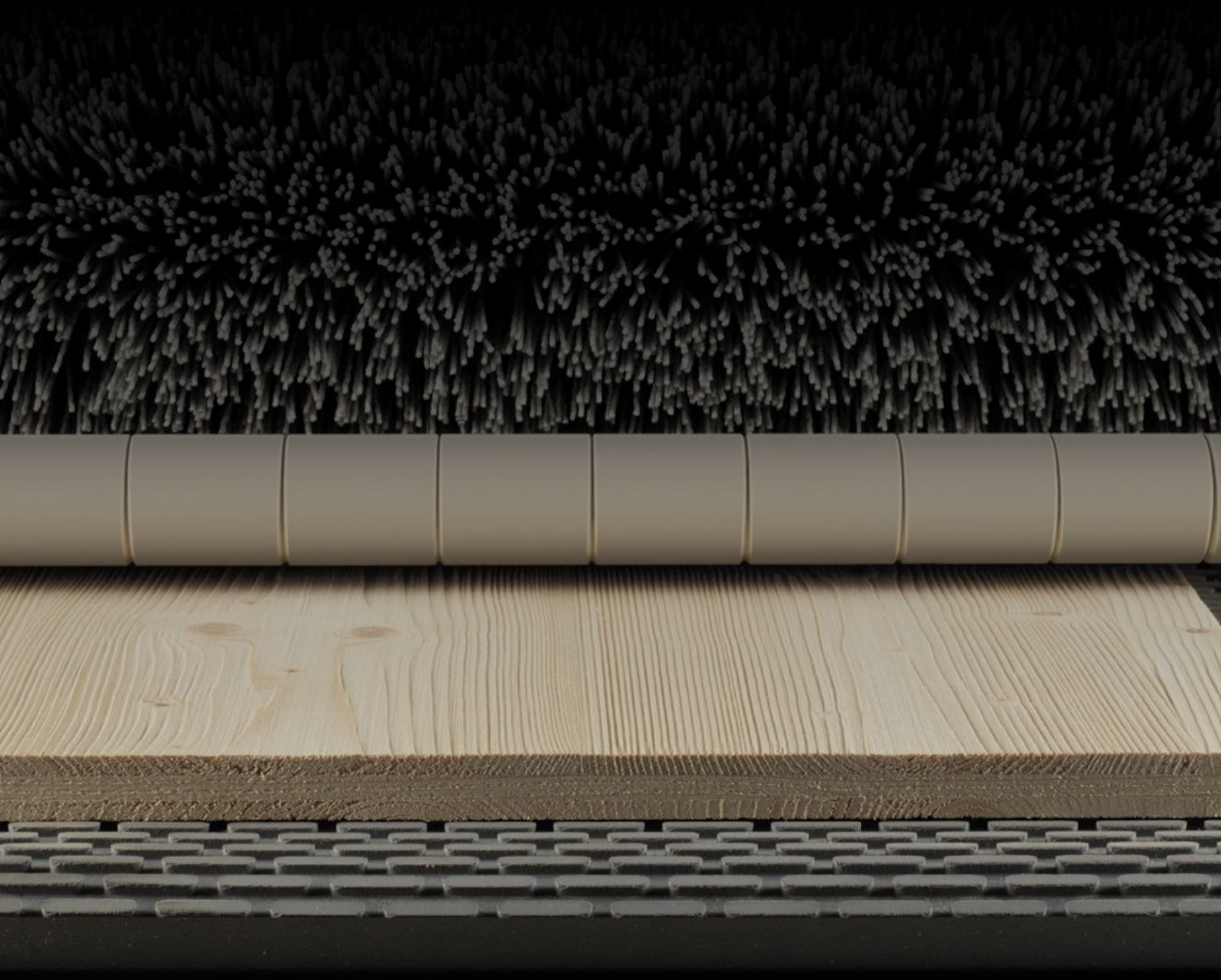
FORMAT 4®

finish modular

WIDE BELT SANDER WITH SUPER AGGREGATE



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Wide belt sander with super aggregate

Solid wood

Panel material



VIDEO

The finish 1352 modular and 1353 modular wide-belt sanding machines impress with their unique flexibility. Either as a 2 or 3 belt machine – you can decide the individual equipment and configuration of the processing units. These free aggregate configuration options enable the optimal adaption to your requirements which ensures maximum efficiency and maximum time saving.

New

» Cutterblock planer aggregate with 1350 mm processing width on the machine in-feed side (optional)
» Most simple operation with cutting-edge control technology
» Convincing machine details for effortless, tool-free handling and quick changeover



finish 1352 modular

» Sanding height 3–170 mm
» Sanding width: 1100 mm
» Can be configured in a modular fashion with 2 units:
» Modularly configurable units with:
- Contact roller units
- Cutterblock planing head
- Sanding pad unit
- Combination sanding aggregate

» Feed speed: variable 2.8–20 m/min
» Touchscreen control (optional)



finish 1353 modular

» Sanding height 3–170 mm
» Sanding width: 1100 mm
» Can be equipped modularly with 3 units
» Modularly configurable units with:
- Contact roller units
- Cutterblock planing head
- Sanding pad unit
- Combination sanding aggregate

» Feed speed: variable 2.8–20 m/min
» Touchscreen control (optional)

FORMAT4 Premium Machines for Premium Requirements

» Constantly high performance in industrial continuous operation
» Customer specific optimised production solutions
» Solid design with premium components
» Wide range of configuration packages with high-tech solutions
» Complete engineering precision
» Premium user comfort
» Award winning design
» Quality and precision from AUSTRIA
» Uncompromising productivity
» Perfect service package before, during and after the purchase
» Tailor made financing solutions

The most important highlights at a glance



Cutterblock planing head

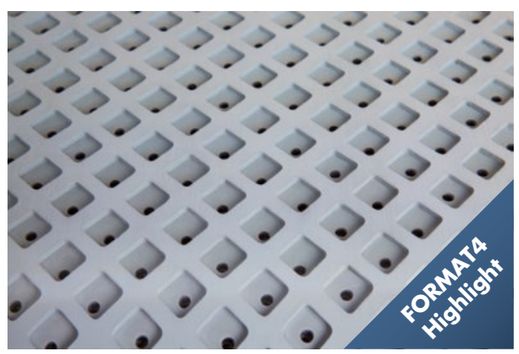
A cutterblock planing head is available as an option, as the first processing unit for maximum cutting performance. Activation and deactivation is carried out from the central control panel.



Touchscreen control for maximum operating comfort

The clearly structured Touch Screen can be used intuitively and 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. Additional highlights are:

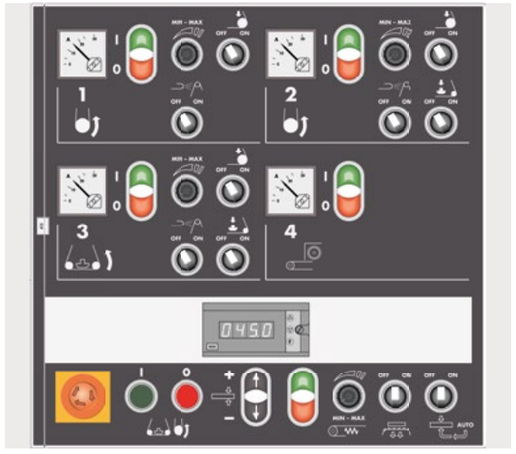
» 100 program memory spaces
» Adjustment of the sanding pad parameters for free segment selection +/- on the left and right, and setting of the entry and exit points on the workpiece
» Maintenance intervals
» Plain text error messages
» Digital grain compensation



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 acts on the workpiece via the holes in the feed belt

Details



Manual control panel

The control panel included as standard enables a simple and quick operation. A selector switch for the aggregate selection, an ammeter for the load display, a display for setting the sanding height ensure optimal operating comfort.



Contact roller aggregate

A profiled and rubber-coated contact roller (D = 180 mm and 85° Shore hardness) guarantees calibration work with maximum accuracy and minimum tolerance.



Sanding pad unit

The electro-pneumatic sanding pad is lowered on to the workpiece at the exact correct height for the sanding process. This prevents veneered surfaces from being sanded through, at the front and rear. The machines can also be equipped for intermediate lacquer sanding.



Combination sanding aggregate

The combination unit with a roller diameter of 140 mm is used for the calibration of solid wood. The electro-pneumatic sanding pad is lowered on to the workpiece at the exact correct height for the sanding process. This prevents veneered surfaces from being sanded through, at the front and rear.



Brushing unit

An optional workpiece brushing unit is possible on the outfeed side of the machine. Different brush types can be used. The brushes can be used for cleaning, polishing or adding texture.

Feeder table wit fixed feeding height

As standard, the feed speed can be continuously adjusted from the control panel between 2.8–20 m/min





Roller table extensions

On request, we can fit your customised Format4 wide belt sander with a roller table extension on both the infeed and outfeed side.



Pressure shoe

These can be added to every sanding aggregate and enable a uniform pressure on the workpiece against the feed table, which is particularly important for thin workpieces. Additionally it also reduces the minimum length of the workpiece that can be processed.



Wireless thickness measurement

This wireless option makes it possible to measure the workpiece in front of the machine The thickness is directly transmitted ‘wirelessly’ to the machine and therefore ensures the most precise processing as well as eliminating operator errors.

Technical specifications

	Electrics	**finish 1352**	**finish 1353**
001	3x 230 V motor voltage, 60 Hz motor frequency	S	S
10	STAR-delta-START	S	S
-	CE safety regulations	S	S
39	Switch contact for gate control (price/piece)	O	O

	Feed table		
-	Electrical height control of the feed table incl. fine-adjustment control from the control panel	S	S
-	Variable feed speed adjustment from 2.8-20 m/min adjusted from the control panel using an inverter	S	S
-	Hand protection and excessively thick workpiece protection	S	S
-	Conveyor belt without a joint with honeycomb structure	S	S
-	Automatic feed belt centring	S	S
78	Vacuum table with 4kW (5.5 HP) suction fan integrated into the machine chassis (!79)	O	O
79	Vacuum table for connection to the shop dust extraction system, without fan (!78)	O	O
80	Roller table extension on the infeed side, L=300 mm	O	O
81	Roller table extension on the outfeed side, L=300 mm	O	O
82	Measuring device for the workpiece thickness on the feed table (!83)	O	O
83	Wireless automatic thickness measurement (!82 / #91 / #92 /#59)	O	O

	Control systems		
-	Manual control panel	S	S
-	Ammeter for aggregate load monitoring	S	S
59	Control panel with 7" colour touchscreen; 100 programme memory slots; Maintenance intervals; Plain-text error messages; Ammeter for load monitoring of the units (!91 / !92)	O	O
59A	Control panel with a 10" colour touchscreen instead of 7" (#59/#91/#92/!59B)	O	O
59 B	Control panel with a 15" colour touchscreen instead of 7" (#59/#91/#92/!59B)	O	O

	1. Contact Roller Aggregate		
-	Rubber, grooved contact roller with 85° shore and 180 mm diameter	S	S
-	Manual grain compensation	S	S
-	Mechanically pre-stressed rubber pressure rollers	S	S
-	Electro-pneumatic oscillation of the sanding belt	S	S
-	Electrical sanding belt safety device	S	S
-	Cutting speed 18 m/sec	S	S
-	Sanding belt 1370 x 2200mm (width/length)	S	S

S ... Standard Equipment | O ... Optional | W ... Choice | - ... not available

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	2. Contact Roller Aggregate	**finish 1352**	**finish 1353**
-	Rubber, grooved contact roller with 45° shore and 180 mm diameter	S	S
-	Manual grain compensation	S	S
-	Mechanically pre-stressed rubber pressure rollers	S	S
-	Electro-pneumatic oscillation of the sanding belt	S	S
-	Electrical sanding belt safety device	S	S
-	Cutting speed 18 m/sec	S	S
-	Sanding belt 1370 x 2200mm (width/length)	S	S

	3. Contact Roller Aggregate		
-	Rubber, grooved contact roller with 45° shore and 140 mm diameter	-	S
-	Manual grain compensation	-	S
-	Mechanically pre-stressed rubber pressure rollers	-	S
-	Electro-pneumatic oscillation of the sanding belt	-	S
-	Electrical sanding belt safety device	-	S
-	Cutting speed 18 m/sec	-	S
-	Sanding belt 1370 x 2200mm (width/length)	-	S

	Unit configuration at position 1. Contact roller aggregate		
20	Cutterblock planing aggregate D=140mm; with 368 knives (14*14*2mm) with 4 cutting edges; Pneumatic start and stop control via control panel; 1 motor with 15 kW (20 HP) incl. automatic SD start; (Sanding height 5–170 mm)	O	O
21	Comfort cutterblock extraction instead of maintenance access on the front of the machine	O	O

	Unit configuration at position 2. Contact roller aggregate		
30	Sanding pad aggregate including electro pneumatic sanding pad EP; (!40)	O	O
40	Combination aggregate including rubber, grooved contact roller with 45° shore and 140 mm diameter; electro-pneumatic sanding pad EP; (!30)	O	-

	Unit configuration at position 3. Contact roller aggregate		
30A	Sanding pad aggregate including electro-pneumatic sanding pad EP; (!40 / #30)	-	O
40	Combination aggregate including rubber, grooved contact roller with 45° shore and 140 mm diameter; electro-pneumatic sanding pad EP; (!30 / !30A)	-	O

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S ... Standard Equipment | O ... Optional | W ... Choice | - ... not available

	Aggregate options	**finish 1352**	**finish 1353**
45	1. Steel sanding roller instead of 85° shore (!20)	W	W
46	2. Steel sanding roller instead of 65° shore (!30)	-	W
46A	2. Steel sanding roller instead of 45° shore (!30)	W	-
47	2. Sanding roller with D=250mm instead of 180mm (!30 / !40)	O	O
46 B	2. Sanding roller 85° Shore instead of 45°/65° Shore (!30)	W	W
48	3. Sanding roller with D=250mm instead of 140mm (!40 / !30A)	-	O
49	Activation and deactivation control of the first contact roller from the control panel (!20)	O	O
50	Activation and deactivation control of the second contact roller from the control panel (!30)	O	O
51	Roller table extension on the outfeed side, L=300 mm	-	O
52	Measuring device for the workpiece thickness on the feed table (!83)	O	O
53	Wireless automatic thickness measurement (!82 / #91 / #92 /#59)	O	O
54	Pressure shoe mechanically pre-tensioned between 2. and 3. Sanding unit	-	O
55	Pressure shoe mechanically pre-tensioned after 3. Sanding unit	-	O
55A	Pressure shoe mechanically pre-tensioned after 2. Sanding unit	O	-
56	1. Cleaning air jets for the sanding aggregate with time control (!20)	O	O
57	2. Cleaning air jets for the sanding aggregate with time control	O	O
58	3. Cleaning air jets for the sanding aggregate with time control	-	O

	sanding shoe		
-	Synchronisation with any feed speed pf the EP sanding shoe	S	S
91	Workpiece recognition sensor with 25 segments, 55 mm segment width; Segmented, electro-pneumatic sanding pad ESC; 55 mm segment width, touch screen (!92)	O	O
92	Workpiece recognition sensor with 50 segments; Segmented, electronic-pneumatic sanding shoe ESC; Segment width 27 mm, Touchscreen (!91)	O	O
93	Additional segmented, electro-pneumatic sanding shoe ESC; Segment width 55 mm (#91 / #30A / #40 / !94)	–	O
94	Additional segmented, electro-pneumatic sanding shoe ESC; Segment width 27 mm (#91 / #30A / #40 / !93)	–	O

	motors	**finish 1352**	**finish 1353**
-	1 x 11 kW (15 PS) motor with automatic Star Delta start	S	-
-	2 x 11 kW (15 HP) motors with automatic star delta start	-	S
61	1. Motor 15.0 kW (20.0 HP) sanding belt motor instead of 11.0 kW (!20 / !62)	O	O
62	1. Motor 18.5 kW (25.0 HP) sanding belt motor instead of 11.0 kW (!61 / !20)	O	O
63	2. Motor 15.0 kW (20.0 HP) sanding belt motor (!65A)	-	O
64	3. Motor 11.0 kW (15.0 HP) sanding belt motor	-	O
65	3. Motor 15.0 kW (20.0 HP) sanding belt motor	-	O
65A	2. Motor 11.0 kW (15.0 HP) sanding belt motor (!63)	O	-
66	Softstart for 11kW motor (!20 / !61/ !62 / !63 / 67!)	O	O
67	Softstart for 15kW motor (!66 / !62 / !65A)	O	O
67A	Softstart for 18.5 kW motor (#62)	O	O
68	Variable cutting speed between 2.4 - 19m/sec for 11.0kW motor power (!20 / !61/!62 / !63 / !67)	O	O
69	Variable cutting speed between 2.4–19 m/sec; for 15.0 kW motor power (!62/ !65A / !66)	O	O
70	Variable cutting speed between 2.4–19 m/sec; for 18.5 kW motor power (!61 / !65A / !63 / !66 / !67)	O	O

	“Finish aggregates”		
71	Cleaning brushing device situated on the machine outfeed, Ø 150 mm, incl. brush (!72 / !73)	O	O
72	„Scotch-Brite” brushing device situated at the outfeed, Ø 150 mm, inc. brush (!71 / !73)	O	O
73	Tynex structuring brushing unit 11 kW (15 HP) with structuring brush K 60 Ø 200 mm (!71/!72)	O	O
74	Quick change system for the brushing device (#73)	O	O
75	Additional Tampico cleaning brush Ø 200 mm (#74)	O	O
76	Additional Scotch-Brite brush Ø 200 mm (#74)	O	O
77	UV lamp on the outfeed side of the machine	O	O

	Important accessories		
71	EM-COLT14X14X2 - Indexable insert 4x14x2 for cutterblock (390 pieces required for full assembly)	O	O

General		**finish 1352**	**finish 1353**
-	Sanding width in mm	1350	1350
-	Sanding height in mm	3-170	3-170
-	Minimum workpiece length contact roller aggregate (mm)	220	220
-	Min. workpiece length for sanding pad or combination sanding unit (mm)	370	370
-	Extraction connection ∅ in mm	2x 200	2x 200
-	Minimum compressed air (bar)	6	6
-	Dimensions (L x W x H inch)	2540 x 2050 x 2020	2540 x 2050 x 2020
-	Weight kg (with standard configuration)	2300	2300
-	Total power requirement without additional options	13 kW	24.5 kW

Transport			
221	Container packaging	O	O

S ... Standard Equipment | O ... Optional | W ... Choice | - ... not available

Product range



kappa 590 x-motion · kappa 590 e-motion · kappa 550 x-motion/PCS® · kappa 550 e-motion/PCS® · kappa 550/PCS® · kappa 450 x-motion/PCS® · kappa 450/PCS®

Sliding Table Panel Saws



profil 92 M e-motion · profil 45 M x-motion · profil 45 M · profil 45 Z x-motion · profil 45 Z

Spindle Moulders



dual 51 · plan 51L · exact 63 · exact 51

Planer



tempora F1000 classic/professional/performance · tempora F800 60.12 e-motion · tempora F600 60.06L · tempora F600 60.06L glueBox® · tempora F400 45.03/L

Edgebanders



findustry 1352/1353/1354 · finish 1352/1353 modular · finebrush 1353/1355 · finebrush 953

Wide Belt Sanding & Brushing Machines

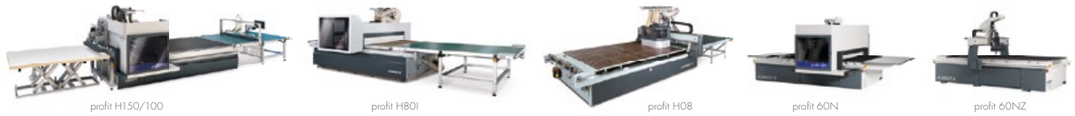
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