

SWT 200

Wide-Belt Sanding Machines





The world
sands with BÜTFERING

BÜTFERING – The Fascination of Sanding

For over 60 years the BÜTFERING brand has stood for high performance wide-belt sanding machines and innovative surface finishing. These include special and multi purpose sanding machines for calibrating and intermediate sanding as well as lacquer finishing machines. Always focused on the machining of wood and wood based composite materials.

World wide on site

BÜTFERING is on the spot and active world wide. Whether you are looking for good advice, sales or fast on-site service, you will find competent partners in over 65 countries representing the BÜTFERING brand.

The perfection
is in the detail



Particularly for the craftsman, the single head machine keeps space and power requirement to a minimum, yet offers good sanding performance.

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Especially for You

The BÜTFERING SWT 200 series is every bit as diverse as our customers and we have ensured that each model remains a specialist in its field. We are very particular when it comes to selecting the perfect machine according to the performance requirements of our customers. In doing so, BÜTFERING relies on their experience and selects the best unit combination for the principal applications.

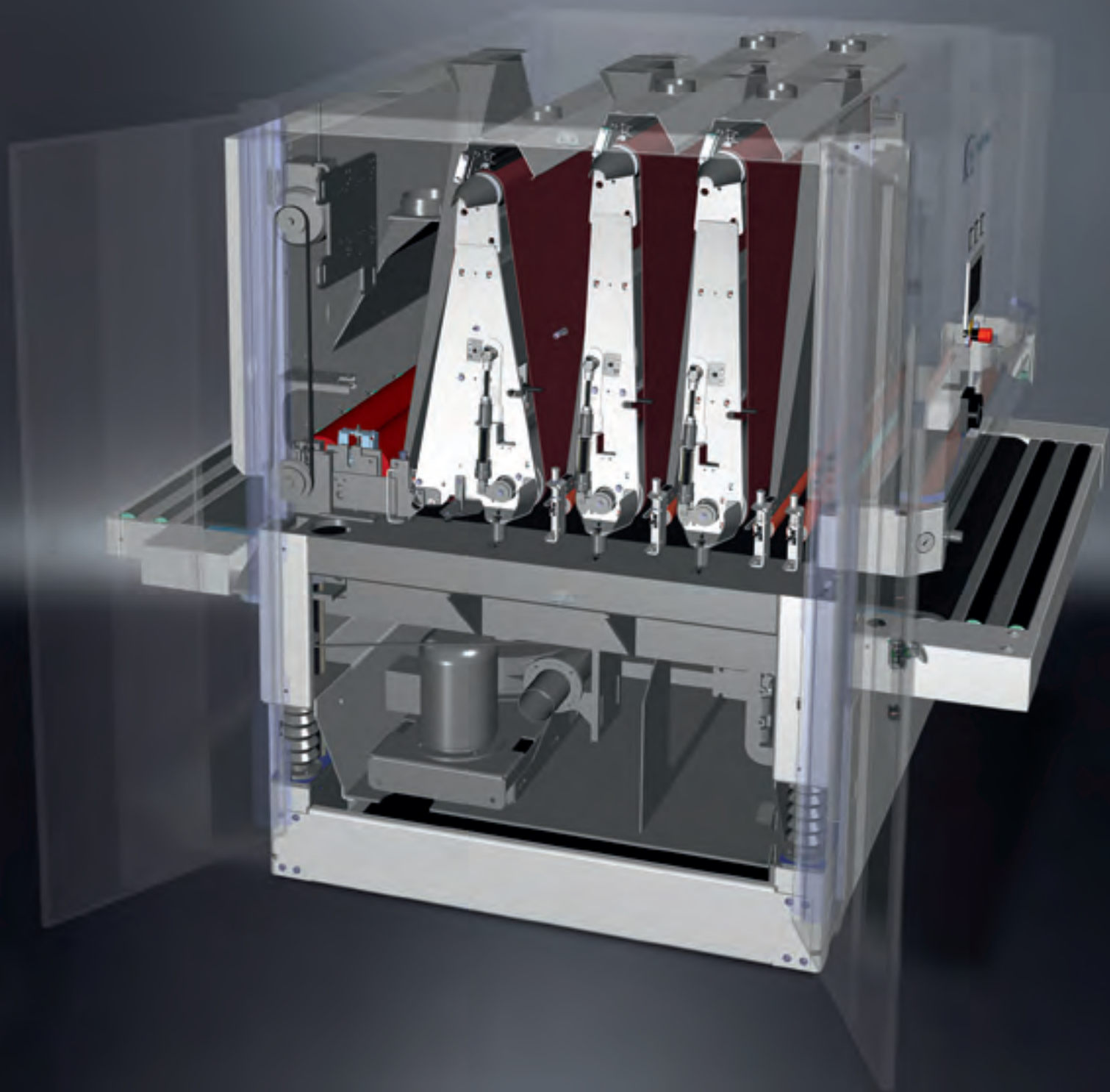
The resulting performance packages demonstrate an optimum cost-to-benefit ratio.

The SWT 200 series:

Requirement for finish sanding:					
•	Multiple belt changes				
	Max. one belt change				
•••	Finish sanding in one pass				
(•)	Optimal for lacquer sanding				
System		Solid wood	Veneer	Lacquer	
SWT 215 L		<i>acp...</i>	•		
SWT 215 C		<i>eps...</i>	•	•	(•)
SWT 225 RL		<i>acp...</i>	••		
SWT 225 RC		<i>eps...</i>	••	•	(•)
SWT 225 CC		<i>eps...</i>	••	••	(•)
SWT 235 RRL		<i>acp...</i>	•••		
SWT 235 RRC		<i>eps...</i>	•••	•	(•)

acp® – air cushion pad
eps® – electronic pad system

Equip the SWT 200 to meet your needs!



Efficient and precise sanding with state of the art sanding pad systems

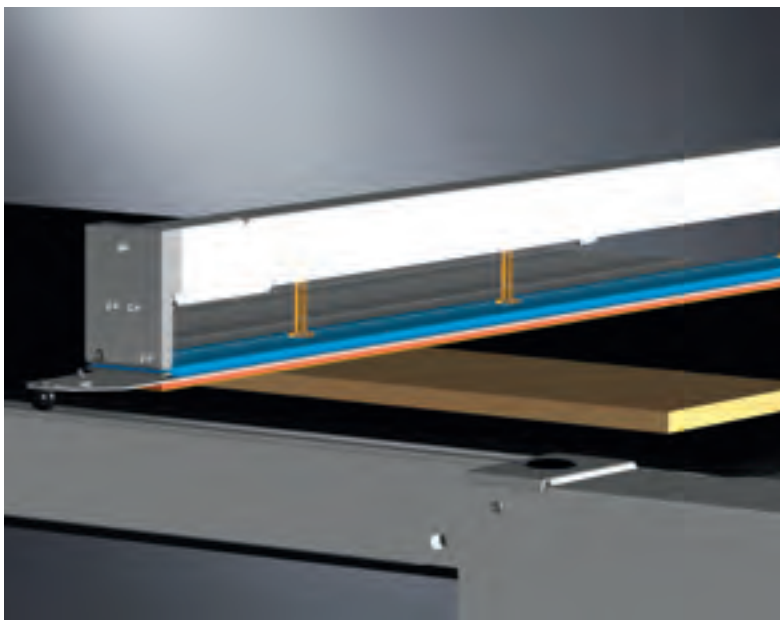
The SWT 200 series uses either **acp®** or **eps®** – Intelligent pressure pad systems designed by BÜTFERING



acp® – air cushion sanding pad

The acp® system senses incoming work pieces and activates the rise and fall pad system to give an anti-dubbing facility at both leading and trailing edges of the part. Ideal for use on solid wood or thicker veneers.

Sanding pressure can be controlled according to the application in hand.



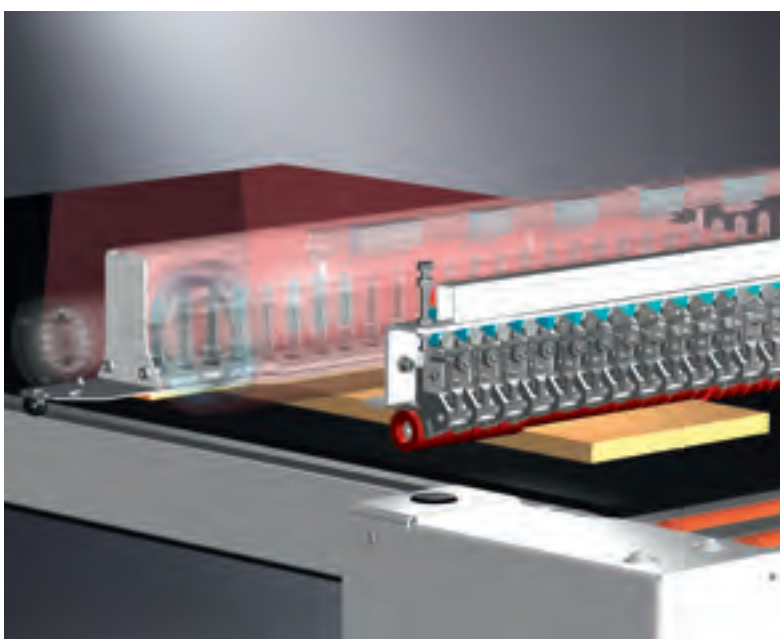
eps® – electronic pneumatic system

The machine's electronics ensure the optimum sanding pressure on all areas of a workpiece, guaranteeing a perfect sanding result. The eps®-system works with a segment width of 35 mm and is suitable for applications like solid wood, veneer and lacquer sanding.

The individual segments 'float' on the part surface with a constant pressure to protect veneered or lacquered surfaces within a tolerance range of 2 mm. It is also possible to add or subtract edge segments to modify edge pressure.



Optional



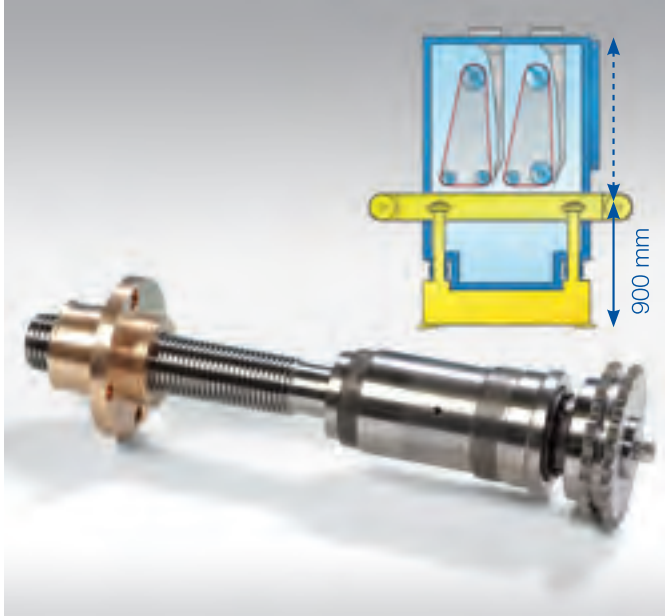
Terminal

All SWT 200 Series models are equipped with a touch screen panel. This ensures easy operation with machines starting at the touch of a single button.



Standard Features

All SWT 200 series have the following features:



Thickness adjustment (3-160 mm). Four large jack screws (40 mm diam.) adjust the upper frame of the machine, giving constant passline operation (900 mm).



Feed drive with rubberised drive drum and heavy duty rubber conveyorbelt.

Transport safety by pre installed vacuum device (table and conveyor) to connect with a highly efficient vacuum van (optional).



Part guidance by rubberised spring loaded pressure rollers – Pressure rollers are placed close to the sanding heads with additional pressure rollers before and after the workpiece sensing zone.



Photo eye electronic oscillation gives reliable performance to keep abrasive belts on track. Ceramic triggers activate the brakes in the event of a mistrack.

The economical acp®-models of the SWT 200 series

Standard Features:

- Variable feed speed
- Constant passline
- Control via touch screen panel
- Maintenance free electrical braking system
- Poly V-belt drive
- Separate drive motor for each head



Perfectly suited for sanding solid wood pieces
(Look for applications in detail on page 14).



The SWT 215 L

Single Head – for smaller shops

L Head

Combi-unit with profiled steel contact roller with automatic positioning (160 mm diam) and air-cushion pad.



The SWT 225 RL

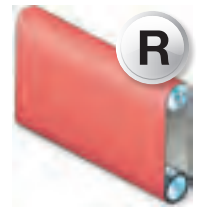
Twin Head – for more opportunities

R Head

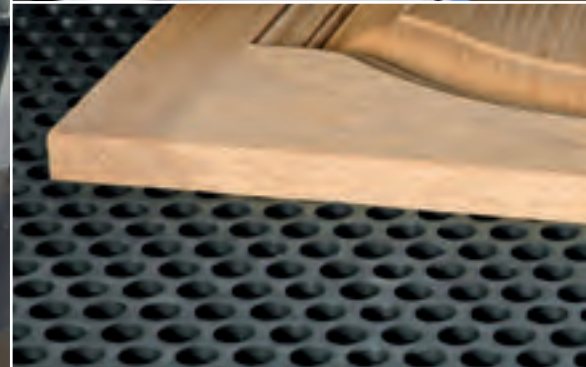
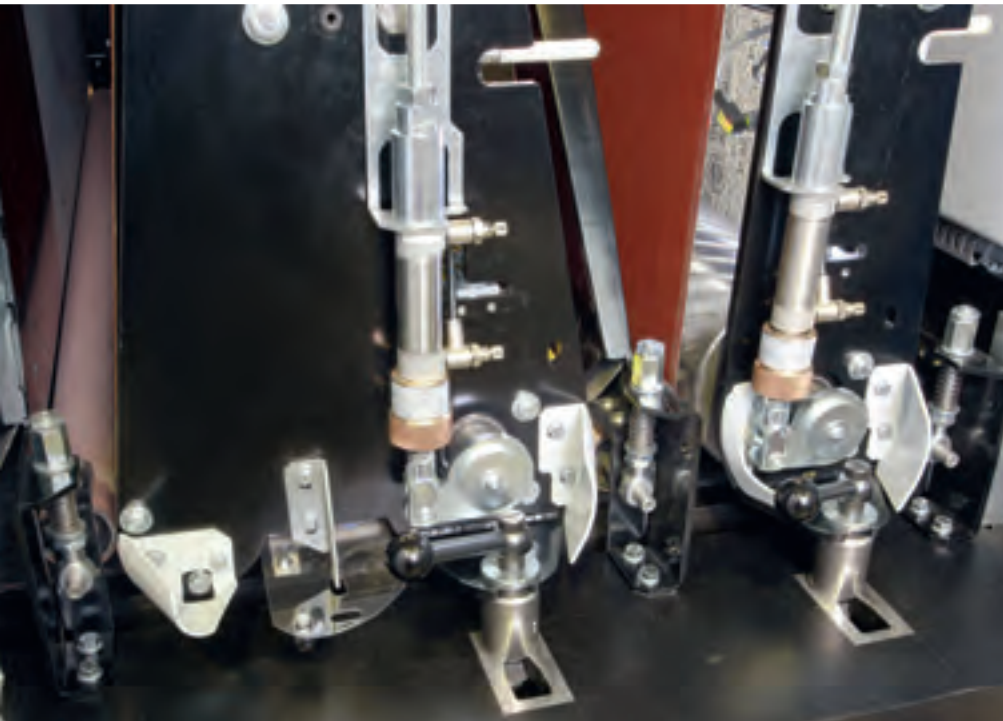
Calibration with profiled Steel contact roller (160 mm diam).

L Head

Combi-unit with profiled steel contact roller with automatic positioning (160 mm diam) and air-cushion pad.



SWT 225 RL – sanding with a two grit sequence in one pass.



The SWT 235 RRL

Triple Head – for one pass finishing

R Head

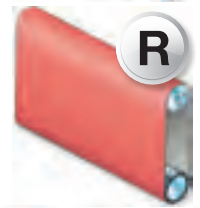
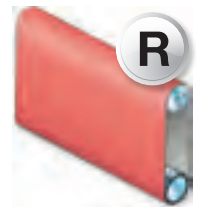
Calibration with profiled Steel contact roller (160 mm diam).

R Head

Calibration and upgrading with profiled rubberised contact roller (160 mm diam).

L Head

Combi-unit with profiled rubberised contact roller (160 mm diam) and air-cushion pad.



SWT 235 RRL – A three grit sequence can be achieved in one pass.

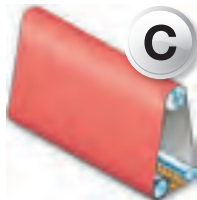
The versatile eps[®]-Models of the SWT 200 series

The SWT 215 C

Single Head – for your first step into sanding with segmented pad technology

C Head

Combi-unit with profiled Steel contact roller (160 mm diam) and an electronic pad with segment width of 35 mm giving up to 2 mm thickness compensation.



Standard Features:

- Variable feed speed
- Constant passline
- Control via touch screen panel
- Maintenance free electrical braking system
- Poly V-belt drive
- Separate drive motor for each head



Perfectly suited for sanding veneered work pieces and other wood species (Look for applications in detail on page 14).

The SWT 225 RC

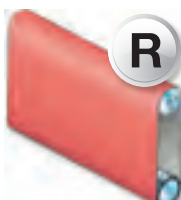
Twin Head – offers more flexibility

R Head

Calibration with profiled Steel contact roller (160 mm diam).

C Head

Combi-unit with profiled rubberised contact roller (160 mm diam) and an electronic pad with 35 mm segments giving up to 2 mm thickness compensation.



The SWT 225 RC – a specialist at veneer and finesanding.



The SWT 225 CC is ideal for both veneer and solid wood and offers the most versatility possible in a twin head machine.

The SWT 225 CC

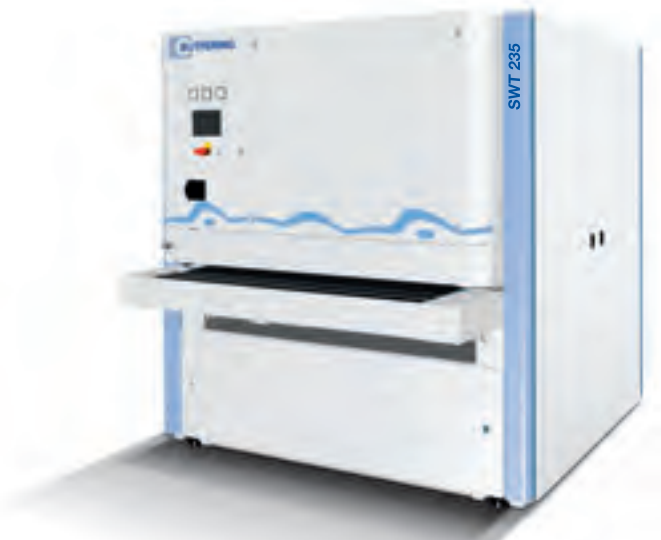
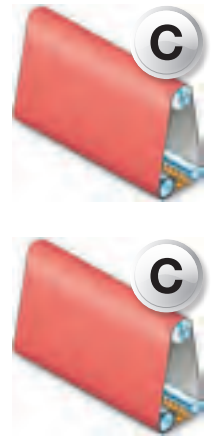
Twin Head – Double C gives maximum versatility

C Head

Combi-unit with profiled Steel contact roller (160 mm diam) and an electronic pad with 35 mm segments giving up to 2 mm thickness compensation.

C Head

Combi-unit with profiled rubberised contact roller (160 mm diam) and an electronic pad with 35 mm segments giving up to 2 mm thickness compensation.



The SWT 235 RRC with three sanding heads is ideal for finish sanding of solid wood in one pass, and also has veneer sanding capability.

The SWT 235 RRC

Triple Head – Minimal belt changes and increased production

R Head

Calibration with profiled Steel contact roller (160 mm diam).

R Head

Calibration, upgrading with profiled rubberised contact roller (160 mm diam).

C Head

Combi-unit with profiled rubberised contact roller (160 mm diam) and electronic pad with 35 mm segments giving up to 2 mm thickness compensation.



Useful options for the SWT 200 Models

1. Frequency controlled cutting speed to match different sanding applications like different wood or lacquered surfaces

- Rotation speed control via frequency inverter
- Power transmission via Poly V-belts

2. Sanding belt cleaning device to maintain and extend sanding belt life. Mainly in connection to lacquer sanding applications using finer grits

- **Optional control**, gives the possibility to vary in 5-stages the intensity of cleaning needed.
- Consumption of compressed air can be reduced by up to 40% accordingly
- Both options are work piece activated

3. Vacuum table for higher transport safety

- By pre installed vacuum device (table and conveyor) to connect with a highly efficient vacuum van (optional) integrated in the machine. Also for subsequent installation.

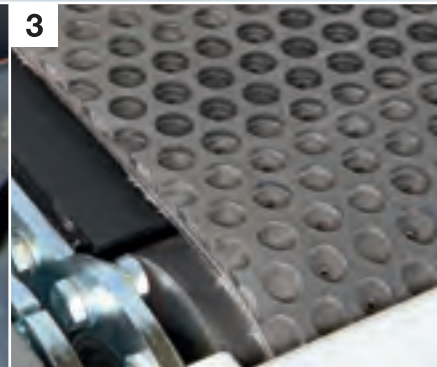
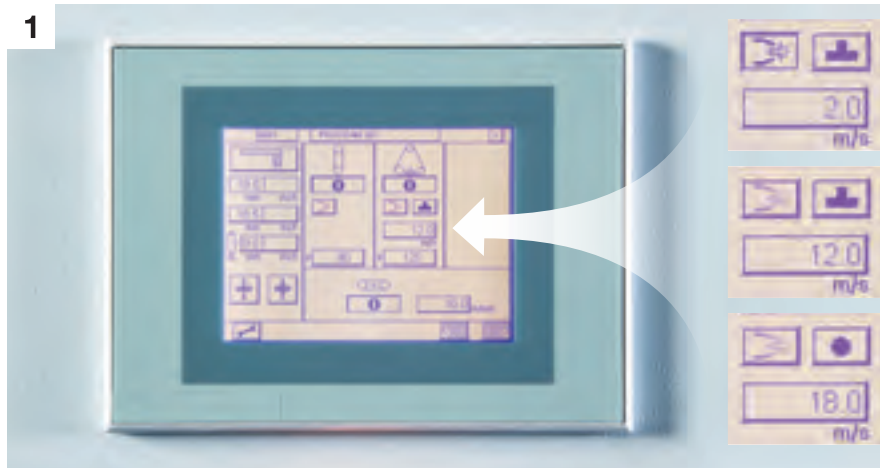
4. Foldaway outfeed table

5. Driven cleaning, satinising or structuring brush

- For panel cleaning or to create open pore surfaces up to rustique structured effects with stainless steel brushes

6. Work piece thickness measuring

- Device for automatic thickness measurement
- Including automatic setting of the machine to the required work piece thickness.

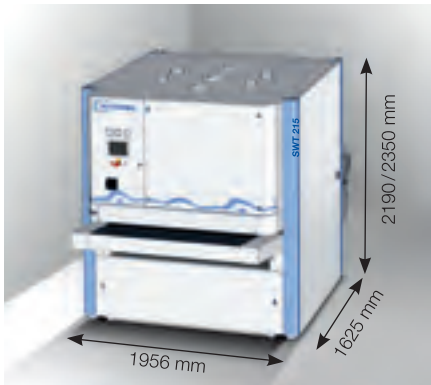


Need to do lacquer sanding?

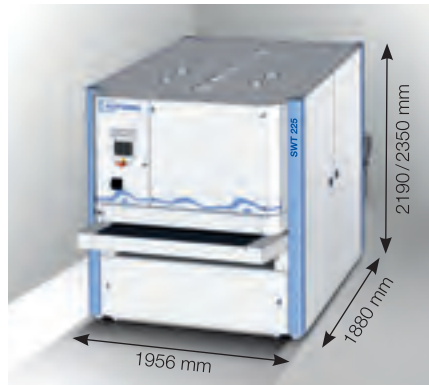
If you order the optional lacquer sanding package – available with all eps®-models of SWT 200 series – you can do all lacquer sanding operations.



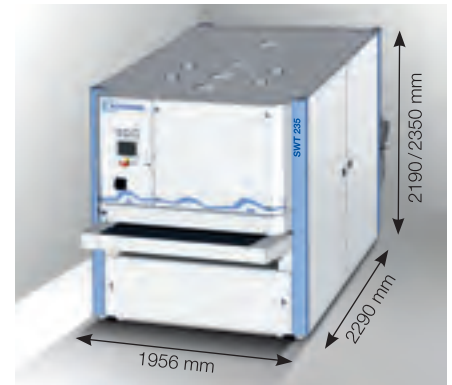
Technical Details of SWT 200 Models



SWT 215 dimensions



SWT 225 dimensions



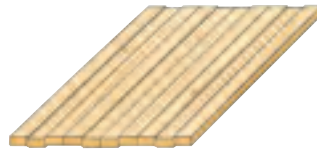
SWT 235 dimensions

Model			SWT 215	SWT 225	SWT 235
Number of heads			1	2	3
Working width	mm/inch		1350/53"		
Width of sanding belt	mm/inch		1370/54"		
Length of sanding belt	mm/inch		2150/85"		
Workpiece thickness	mm/inch	min.-max.	3- 160 / 1/8" - 7"		
System			acp®/eps®		
Drive motors (Standard)					
1. Head	kW		15	15/18,5	18,5
2. Head	kW			15	15
3. Head	kW				15
Total connected load without options	kW		16	32 / 35,5	51
Cutting speed	m/s		R= 18 C,L= 18,12, 2- 18		
Feed speed	m/min		2,5- 13		
Compressed air connection	bar		6- 8		
Air speed	m/s	min.	20		
Dust extraction volume	m³/h	ca.	1830	3660	5490
Compressed air consumption	l/min		20	40	60
Cleaning brush FBM	kW	optional	0,75		
Satinising brush SBB	kW	optional	2,2		
Structuring brush SBA	kW	optional	5,5		
Sanding Belt cleaning BV	l/min	optional	670	1340	2010
Work piece cleaning with rotating blowers WRD	l/min	optional	700		
Dust extraction volume FBM	m³/h	optional	1110		
Dust extraction volume SBB	m³/h	optional	1110		
Dust extraction volume SBA	m³/h	optional	1110		
Dust extraction volume per unit BV	m³/h	optional	1110		
Dust extraction volume WRD	m³/h	optional	1110		
Dimensions without infeed or outfeed table extensions					
Length	mm		1625	1880	2290
Width	mm		1956	1956	1956
Height	mm	min. / max.	2190/2350		

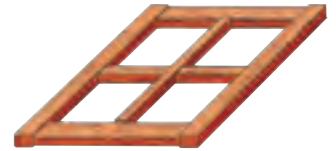
What would you like to sand?

Choose which sanding pad best suits your applications:

acp[®] eps[®]



Glued up parts



Solid wood frames



Joinery components

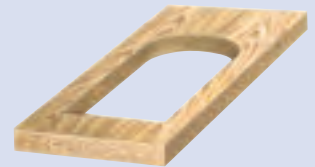


Chipboard / MDF

eps[®]



Veneered panels



Workpieces with cutouts



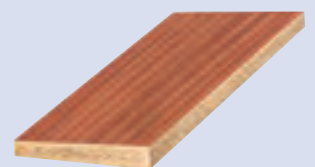
Shaped parts



Bowed panels



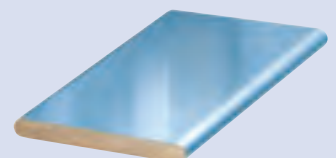
Veneered parts with thickness variations



Panels with thickness variations



Chipboard with solid wood edge banding



Lacquered parts (specific models)

Even more benefits as a BÜTFERING customer

World wide customer service

The well established sales, service, and dealer network of the HOMAG Group ensures fast response times and close customer proximity throughout the world.

Practical training

BÜTFERING-sanding machines are extremely user friendly, however a basic training course is provided alongside commissioning to increase user proficiency.

When required, we can also offer additional on-site training, or this can be done in our dedicated training rooms at the BÜTFERING factory.

Same parts, simple handling

Many parts, control elements and components are identical in the machines of the HOMAG Group. This makes operation easier, cuts costs, reduces spare parts stock and speeds up maintenance and service. Moreover, scheduled, professional maintenance increases the availability and productivity of the machines.

Professional documentation

Standard, comprehensive operating instructions and machine diagrams are supplied with every machine. These can be supplied in many different languages.



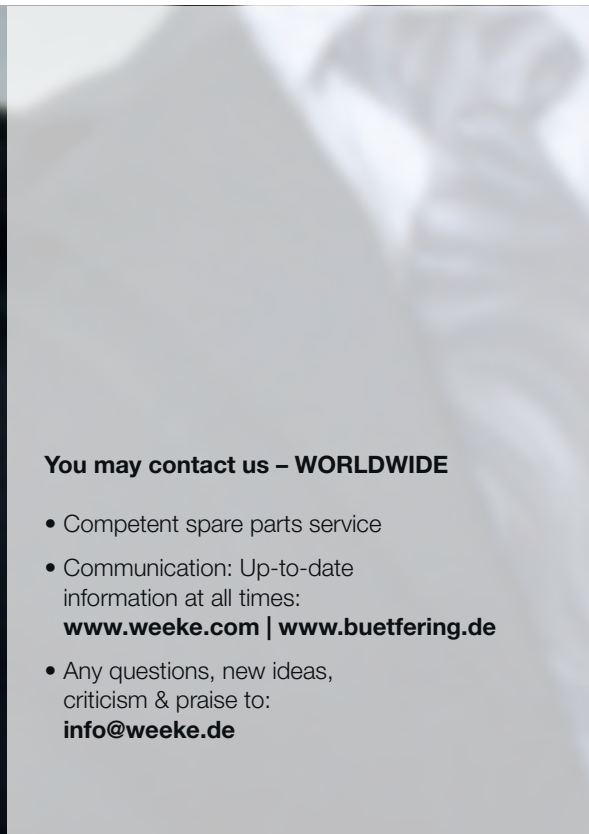


**Choose the Original
Choose Success!**

For the Success of Original Technology
A campaign of the VDMA

Subject to technical modifications, misprints and errors.
Pictures may show special equipment.

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