

SWT 100

Wide-Belt Sanding Machines





The world sands with HOMAG.

For almost 70 years HOMAG 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

HOMAG 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 HOMAG brand.



Content | SWT 100

- 02 The brand
- 04 The character
- 06 The series
- 08 All inclusive
- 09 The options
- 10 The right pressure
- 11 The technical data

The SWT 100 series

The SWT 100 provides the easy way into the world of professional sanding. Either as single-head machine or equipped with up to two sanding heads – the SWT 100 series executes all sanding tasks in a competent way. These include calibrating, fine sanding of solid wood, sanding of veneered panels as well as intermediate lacquer sanding.

Everything for compact dimensions and a working width of 1,100 mm as well as a sanding belt length of 1,900 mm.

- easy**
- robust**
- inexpensive**

Character

Giving safety...

According to requirements there are acp® and eps® sanding pads available – on your choice

Being flexible...

Up to two sanding heads available

Being powerful...

Every head with its own drive

Going up to speed...

Poly V-belt drives for efficient torque transmission

Being heavy...

Welded, rigid machine frame

Made easy...

Easy machine operation thanks to a touchscreen control

Giving quality...

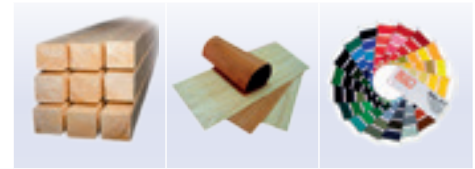
Automatic feed belt control



The SWT 100 series

For finish sanding with:

- Multiple belt changes
- Max. one belt change
- Available as option



	System	Solid wood	Veneer	Lacquer
SWT 114 L  	acp®	■		
SWT 114 C  	eps®	■	■	■
SWT 124 RL  	acp®	■ ■		
SWT 124 RC  	eps®	■ ■	■	■

eps – electronic pressure system
 acp – air cushion pad

SWT 114 L | Ideal for new users

– Head:

- Combi-head with profiled steel contact roller and a work-piece-controlled air-cushion sanding pad
- Suitable for calibration of panel-type workpieces
- Suitable for sanding of solid wood components, frames, glued-up panels as well as MDF, particle board and plywood

All inclusive:

- Working width 1.100 mm
- Variable feed speed by frequency inverter
- Colored touchscreen operator terminal
- Maintenance free DC braking system
- Poly V-belt drives



SWT 114 C | The flexible starter

– Head:

- Combi-head with profiled steel contact roller and a workpiece-controlled air-cushion sanding pad
- Suitable for calibration and sanding of solid wood components, frames, glued-up panels as well as MDF, particle board, plywood and **veneered workpieces**
- Thickness tolerance compensation up to 2 mm
- Lacquer sanding (optional)

All inclusive:

- Working width 1.100 mm
- Variable feed speed by frequency inverter
- Colored touchscreen operator terminal
- Maintenance free DC braking system
- Poly V-belt drives



SWT 124 RL | Simple handling of solid wood

– Heads:

- Calibration-head with profiled steel contact roller
- Combi-head with profiled, rubberized 60° shore contact roller and a workpiece-controlled air-cushion sanding pad
- Suitable for calibration of panel-type workpieces
- Suitable for sanding of solid wood components, frames, glued-up panels as well as MDF, particle board and plywood
- Sanding in a single pass with a 2 grit sequence

All inclusive:

- Working width 1.100 mm
- Variable feed speed by frequency inverter
- Colored touchscreen operator terminal
- Maintenance free DC braking system
- Independently driven sanding heads
- Poly V-belt drives



SWT 124 RC | Twin-head flexibility for all applications

– Heads:

- Calibration-head with profiled steel contact roller
- Combi-head with profiled, rubberized 60° shore contact roller and a workpiece-controlled air-cushion sanding pad
- Suitable for calibration and sanding of solid wood components, frames and glued-up panels as well as MDF, particle board, plywood and **veneered workpieces**
- Thickness tolerance compensation up to 2 mm
- Sanding in a single pass with a 2 grit sequence
- Lacquer sanding (optional)

All inclusive:

- Working width 1.100 mm
- Variable feed speed by frequency inverter
- Colored touchscreen operator terminal
- Maintenance free DC braking system
- Independently driven sanding heads
- Poly V-belt drives



* Optional verfügbar

All inclusive

Highlights of the SWT 100 series:

- Frequency-controlled variable feed speed
- Maintenance free electronic braking system
- Poly V-belt drive
- Independently driven sanding heads
- Colored touchscreen operator terminal
- Electronic abrasive belt oscillation
- Eco mode
- Easy access to all functions on the changing side of the sanding belt
- Space-saving design

Electronic abrasive belt oscillation

- Contact-free sanding belt oscillation control to protect the belt edges



Touchscreen operator terminal

- 7" touchscreen for complete machine control



ECO mode

- Machine will stop automatically after a long idle period advanced warning is given
- With frequency-controlled drives, decrease of the idle power by 50% – as standard



Operating elements on the changing side of the sanding belt

- Easily accessible
- Everything at a glance and comfortable adjustment

Options

Would you like something extra? Our options provide all opportunities for perfect customising of your wide-belt sanding machine:

- Cleaning brush
- Controlled air-jet belt blower
- Variable cutting speed (Lacquer sanding)
- Upgrade of the electro-pneumatic segmented pad system to a segment width of 35 mm
- ME 200 thickness measuring
- Roller table on outfeed side RTA
- Lacquer sanding unit:
 - Steplessly frequency-controlled cutting speed 2-18 m/s
 - Additional sanding insert with softer felt for intermediate lacquer sanding.
 - Controllable belt blow-off device, regulation in 5 steps, operation-optimized cleaning results with low compressed air consumption at the last head.
 - Upgrade of the electro-pneumatic segmented pad system to a segment width of 35 mm

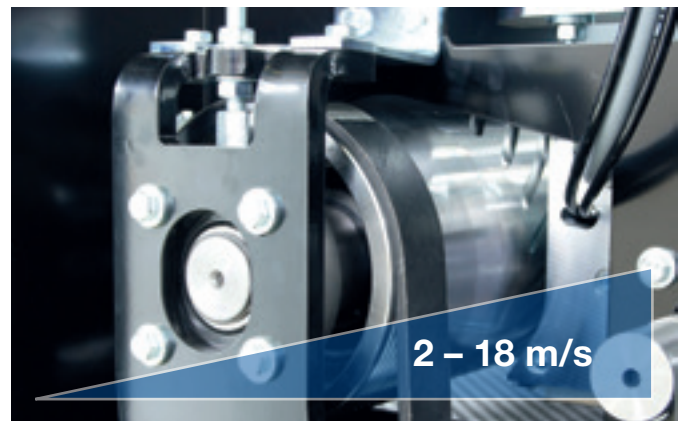
Workpiece thickness measuring ME 200

Faster measurement and adjustment to the correct thickness with ME200, without the necessity to set the machine manually.



Variable cutting speed

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



Sanding belt cleaning device

Application optimized cleaning results with up to 40% saving of compressed air consumption



Workpiece cleaning brush

Natural horsehair brush for optimum cleaning results. With separate drive, irrespective of the speed of the last head, for a constant cleaning capacity.

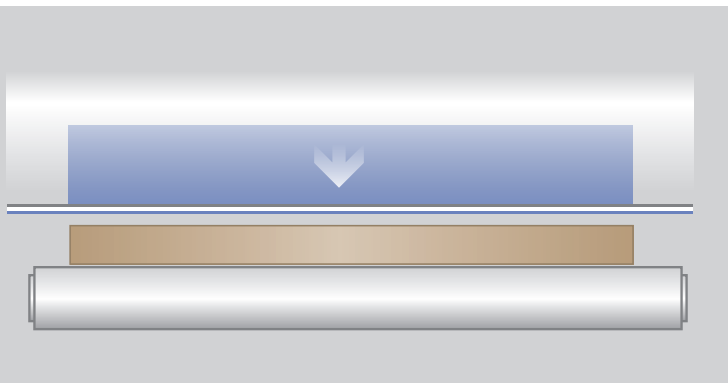
For the right pressure at the right place at the right time

acp[®]

Air cushion sanding pad

Efficient and precise sanding...

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.



Highlights

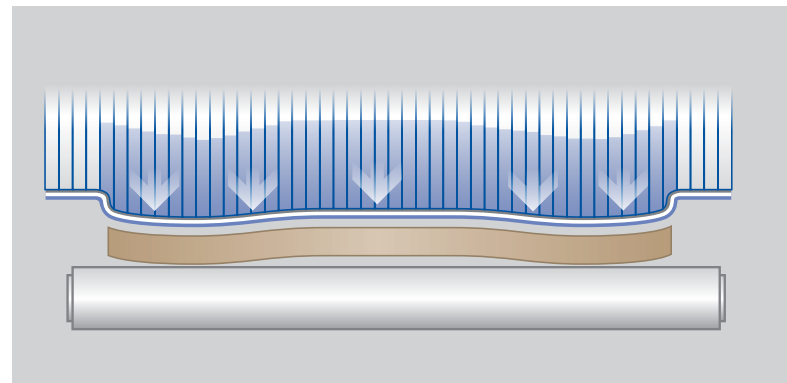
- Pneumatic pressure pad system for the right pressure over the entire working width
- Adjustable sanding pressure for consistent surface quality
- Optimal for processing solid wood

eps[®]

Electronic pneumatic system

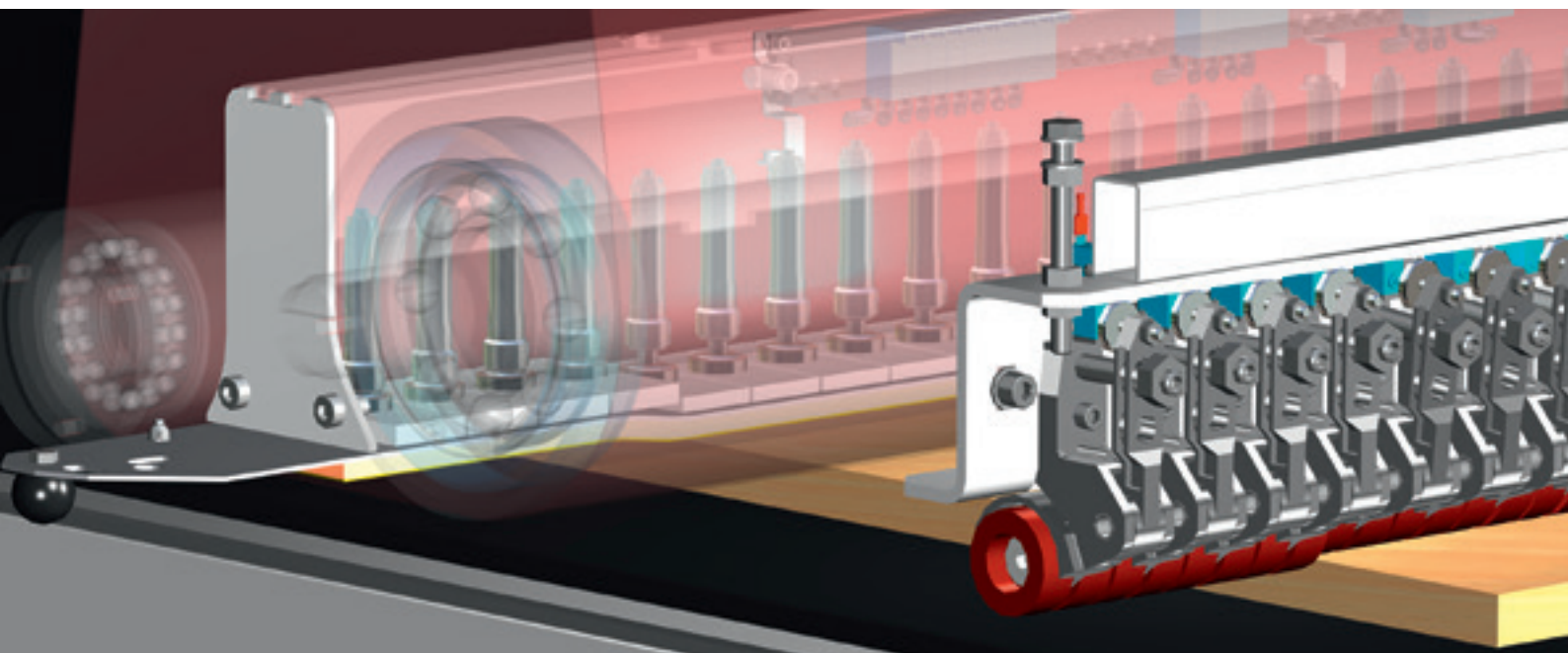
Optimal pressure due to small segment width of 50 mm

The machine's electronics ensure the optimum sanding pressure on all areas of a workpiece, guaranteeing a perfect sanding result.



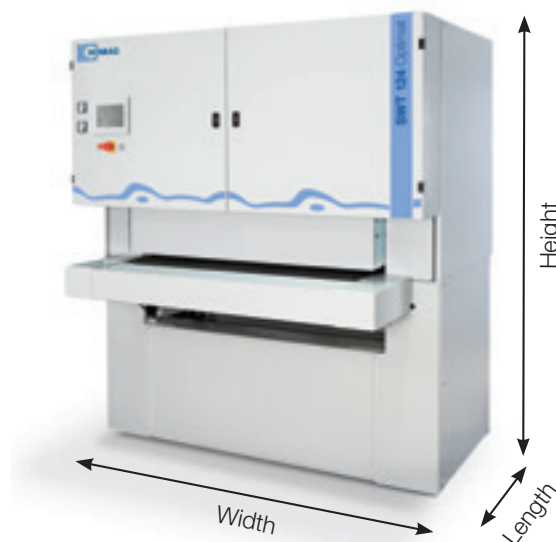
Highlights

- Electronically controlled segmented pad system for efficient sanding pressure
- 50 mm segment width for perfect sanding results on all areas of the parts (optional 35 mm)
- Automatic adjustment of the segments to the workpiece surface
- Thickness tolerance compensation up to 2 mm



The technical data

Model	114 L	114 C	124 RL	124 RC
Number of heads	1	1	2	2
Working width mm/inch	1100 / 43"	1100 / 43"	1100 / 43"	1100 / 43"
Width of sanding belt mm/inch	1120 / 44"	1120 / 44"	1120 / 44"	1120 / 44"
Length of sanding belt mm/inch	1900 / 75"	1900 / 75"	1900 / 75"	1900 / 75"
Workpiece thickness min. – max. mm/inch	3-160 / 1/8" - 7"	3-160 / 1,8" - 7"	3-160 / 1,8" - 7"	3-160 / 1,8" - 7"
Compressed air consumption max. bar / l/min	6 / 20	6 / 20	6 / 40	6 / 40
Dust extraction approx. m ³ /h	1450	1450	2900	2900
Length / Width / Height mm	1300 / 1750 / 2000	1300 / 1750 / 2000	1550 / 1750 / 2000	1550 / 1750 / 2000
Total connected load kW	17	17	28	28
Weight approx. kg	1400	1400	1800	1800



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