

# **SWT 100**

## **Wide-Belt Sanding Machines**



**2015/2016**



# The world sands with BÜTFERING

For almost 70 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.





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# 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



acp®



# 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



\* Available as option

# 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

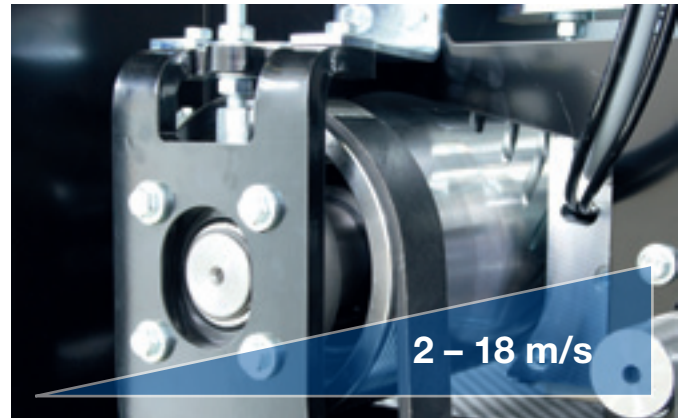
## Workpiece thickness measuring ME 200

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.

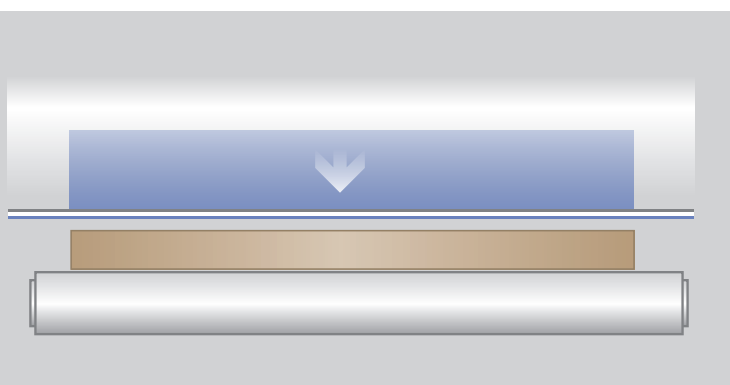
# For the right pressure at the right place at the right time

acp<sup>®</sup>

## Air cushion sanding pad

### Efficient and precise sanding...

The acp<sup>®</sup> 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

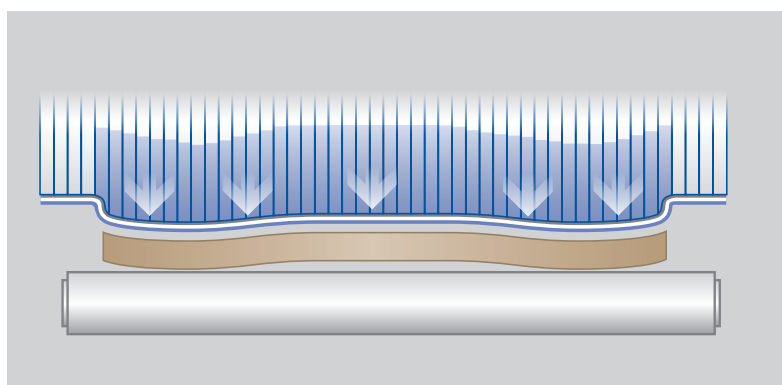
- Pneumatic pressure pad system for the right pressure over the entire working width
- Adjustable sanding pressure for consistent surface quality
- Optimal for processing solid wood

eps<sup>®</sup>

## Electronic pneumatic system

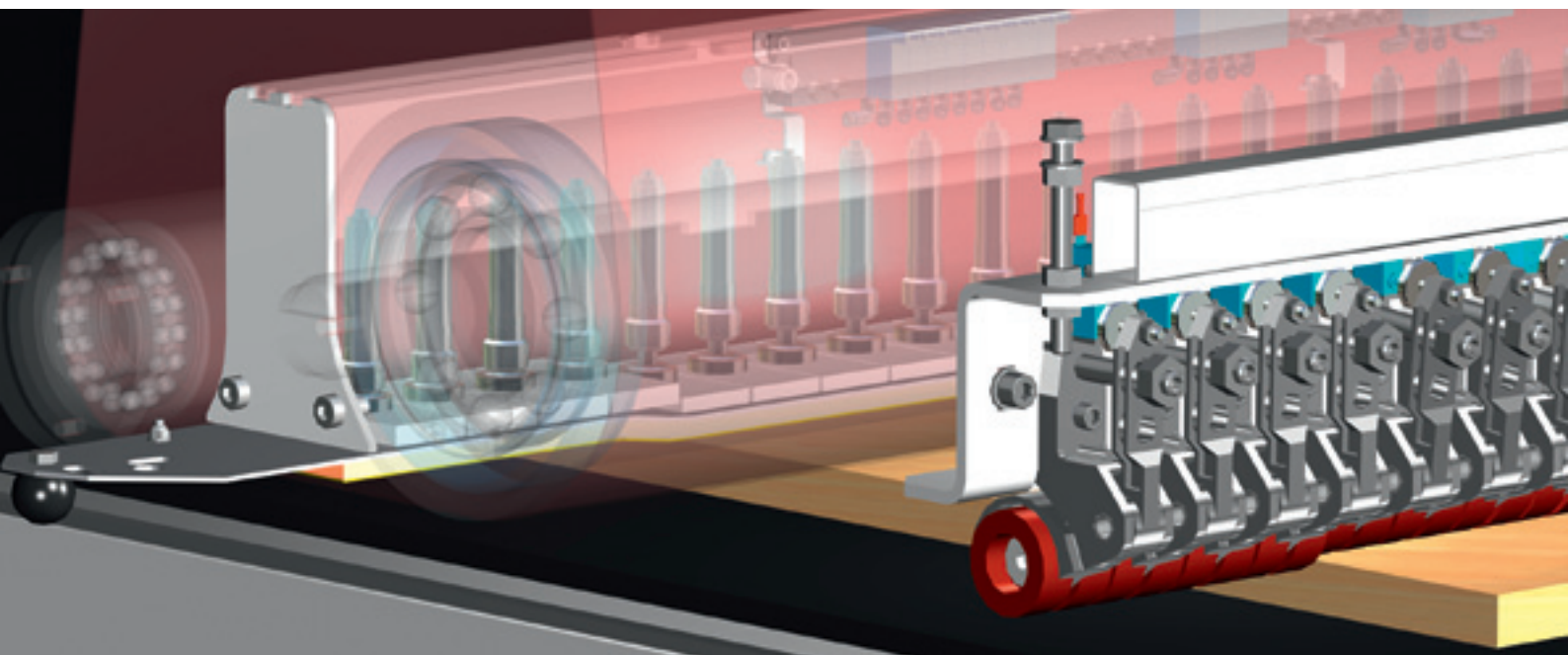
### Optimal pressure due to small segment width of 50 mm

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



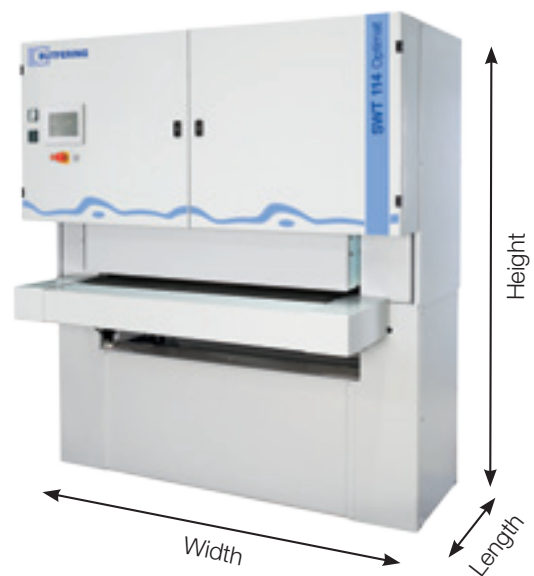
### Highlights

- 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 <sup>3</sup> /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







**Choose the Original  
Choose Success!**

For the Success of Original Technology  
A campaign of the VDMA



Member of the HOMAG Group



**WEEKE Bohrsysteme GmbH  
– Division Sanding Technology –**

Benzstrasse 10-16  
33442 Herzebrock-Clarholz  
GERMANY

Tel.: +49 5245 445-0

Fax: +49 5245 445-44 139

info@weeke.de

www.weeke.com | www.buetfering.de

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