

Bütfering Wide Belt Sander, Model SWT 335 RRL Triple Head with Air Cushion Pad

For over 60 years, Bütfering has been developing specialized sanding equipment for the panel processing and wood working industries. With intense focus on research and development, Bütfering sanders offer the latest in sanding technology and live up to a reputation for high quality and dependable performance.

Bütfering's SWT 335 RRL is designed to sand solid wood work-pieces. Equipped with two (2) contact rollers and one (1) combination head with an air cushion pad, the SWT 335 RRL is a versatile production solution when a three grit sanding sequence is required.

Bütfering SWT 300 Series Triple Head Machine Base

Bütfering's SWT 300 series includes the following features:

- constant pass line (900 mm)
- automatic "Star Delta" starting
- maintenance-free electrical main motor braking plus battery backup for belt tracking
- electronic abrasive belt oscillation
- MFD multi-function readout for thickness and feed speed
- automatic thickness setting system with indexing
- safety switch-off of machine during faulty operation
- rubberized pressure rollers
- automatic head locking on all heads for quick change of abrasive belts
- vacuum bed with fan mounted inside the machine base

work-piece thickness:	3 mm to 160 mm	(1/8" to 6")
working width:	1350 mm	(53")
abrasive belt width:	1370 mm	(54")
abrasive belt length:	2620 mm	(103")
abrasive belt changing side:	left	

Variable Conveyor Feed

Conveyor feed is equipped with variable, frequency controlled feeds from 2.5 to 13 m/min (8 to 42-1/2 ft/min).

Telescopic Infeed Roller

A telescopic work-piece feeding roller is located at the machine infeed.

Controller with Touch Screen Activation

- touch screen
- automatic machine control
- store up to 125 sanding programs
- one button start (Star-Delta)
- sequential motor starting
- self-diagnostic

Readout – mm / inch

Allows for the readout of work-piece thickness in millimeter and inch measurements.

Emergency Power Unit

Bütfering Unit # 6030

This machine features a fail-safe emergency power unit for electronic oscillation of the belt in the event of power failure.

Vacuum Table

Bütfering Unit # 7102

A vacuum fan is mounted inside the machine to assist in holding down the work-pieces.

- fan 5.5 kW (8.0 hp)
- outlet size: 160 mm dia. (6.25")
- extraction volume: 1590 m³/h (950 cfm)

Head 1 – Steel Profiled Contact Roller Sanding Unit

This longitudinal sanding unit features a 9.5" diameter profiled steel contact roller:

- automatic grit compensation for calibrating
- automatic positioning of steel contact roller
 - drive motor: 22 kW (36 hp)
 - belt speed: 18 mps (60 fps)
- dust outlet size: 180 mm (≈7")

Head 2 – Rubber Profiled Contact Roller Sanding Unit

This longitudinal sanding unit features a 9.5" diameter 65 Shore profiled rubber contact roller:

- automatic grit compensation for calibrating
- automatic positioning of the contact roller
- air-jet abrasive belt cleaning device timed with the work-piece
 - drive motor: 15 kW (25 hp)
 - belt speed: 18 mps (60 fps)
- dust outlet size: 180 mm ($\approx 7"$)

Head 3 – Combination Head Longitudinal Sanding Unit

This combination longitudinal sanding unit features a 55 Shore rubber coated contact roller and air cushion sanding pad system:

- rubberized coated contact roller with 55° Shore for fine sanding
- automatic grit compensation for pre-sanding
- automatic positioning of contact roller
- sanding insert: 80 mm wide (3.1")
 - drive motor: 15 kW (25 hp)
 - belt speed: 12 mps (40 fps)
- air-jet abrasive belt cleaning device
- dust outlet size: 180 mm ($\approx 7"$)

Panel Cleaning Brush with Motor

Bütfering Unit # 2011

A rotating panel cleaning brush cleans the panel before the panel exits the sander.

- separate drive motor: 0.87 kW (1.2 Hp)
- dust outlet diameter: 140 mm (5 ½ ")
- extraction volume: 1100 m³/h (650 cfm)

Technical Specifications

Voltage*:	480 Volts, 3 Phase, 60 HZ (24 V controls)
Full load amps:	Approx. 110 FLA at 460 Volts
Compressed air**:	55 cfm @ 90 psi

*For estimating purposes only. Balanced phase to phase and phase to ground.

**Requires a minimum 1" supply line.

Dust Extraction @ 4550 fpm (for estimating purposes only)

Location	Diameter	CFM @ 3" Static
R Head:	180 mm ($\approx 7''$)	1100
R Head:	180 mm ($\approx 7''$)	1100
L Head:	180 mm ($\approx 7''$)	1100
Panel Cleaning Brush	140 mm (5.5'')	660
Air Jet Belt Cleaning	2x 100 mm (4'')	1000
Vacuum fan	160 mm (6.25'')	750
Total CFM:		5710
Recommended main size:		16" – 18"

Important Notes

1. An executive drawing will be sent after receipt of order.
2. Full load amps (FLA) are given as a planning estimate and may vary with different machine configurations.
3. Vacuum fan discharge can be connected to dust extraction system or exhausted to the outside.
4. In case of incoming main voltage fluctuations of more than $\pm 10\%$ of machine connected voltage, the customer must install a voltage stabilizer on the incoming power connection.
5. All motor ratings (kW) are shown @ 60 Hz.
6. Voltage other than 460 will require an additional transformer, which is not included in this proposal.