

Bütfering Wide Belt Sander SWT 335 RRH with ACP



For over 65 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. In addition to offering the latest in technology, Bütfering uses the most modern techniques for design and production.

Bütfering's SWT 335 RRH is designed to sand solid wood work-pieces. Equipped with two (2) roller sanding units and one (1) enhanced finish head. The SWT 335 RRH is a versatile production solution when calibration and solid wood is required.

Applications

- Calibration sanding
- Finish sanding solid wood
- Reduction of cross grain scratches

Customer Benefits

- One machine for one pass
- Range of sanding grits from course to fine
- Calibration to finish sanding in one pass

Bütfering SWT 335 Three Head Machine Base

Bütfering's SWT 300 series includes the following features:

- constant passline (900 mm)
- protected storage space for spare sanding inserts
- automatic "Star Delta" starting
- maintenance-free electrical main motor braking
- electronic abrasive belt oscillation
- pneumatic tensioning of abrasive belt
- abrasive belt edge compensation
- safety switch-off of machine during faulty operation
- rubberized pressure rollers
- automatic head locking
- workpiece 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
- controller side: left

Conveyor Belt Speed

This sander is equipped with variable frequency-controlled feed speeds of 2.5 – 13 m/min. (8 – 42 ft/min.)

Work-piece Recognition MPS 25

This sander is equipped with work-piece sensing with 25 mm resolution for the Magnetic Pad System.

Vacuum Table

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

- fan 5.5 kW (7.5 Hp)
- outlet size: 160 mm dia. (6.5")
- extraction volume: 1590 m³/h (1000 cfm)

Telescopic Roller Infeed

A telescopic work-piece feeding roller table is featured at the machine in feed.

Controller – TE 14 with Touch Screen Operation

- 10.4" graphically supported color touch screen
- LCD-TFT color screen with 800 x 600 resolution
- metric or decimal inch input
- 200 memory addresses
 - alpha/numeric format
 - password protected
 - unit selection
 - unit sanding speed
 - sanding pressures
 - edge pressures with positive or negative input
 - sanding start/stop
- automatic machine control
- one button start (Star-Delta)
- sequential motor starting
- self-diagnostic
- abrasive belt wear display
- ECO mode for machine idling when no part has been run

Readout – mm/inch

This shows the work-piece thickness in millimeter and inch measurements.

Pre-Set Activation

Pre-set activation allows the operator to change the program while the machine is currently running another program. When the current part clears the machine, the new program will activate.

R Head – Contact Roller

This grooved contact roller sanding head features:

- automatic positioning of the contact roller upon start-up
- grit size compensation
- roller diameter: 240 mm (9-1/2")

Steel Profile Contact Rollers

This head will feature a helically grooved profile steel contact roller.

Drive Motor

This head features a main drive motor with 21.5 kW (28.83 hp).

Cutting Speed

This sanding head features a cutting speed of 18 m/s. (59 ft/s.), ideal for calibrating.

R Head – Contact Roller

This grooved contact roller sanding head features:

- automatic positioning of the contact roller upon start-up
- grit size compensation
- roller diameter: 240 mm (9-1/2")

Rubberized Contact Roller

This sanding head features a rubberized contact roller, 65° Shore, for fine sanding.

Drive Motor

This head features a main drive motor with 17.4 kW (23.37 hp).

Cutting Speed

This sanding head features a cutting speed of 18 m/s. (59 ft/s.), ideal for calibrating.

H-Head – Longitudinal Head with Inner Chevron Belt

This "super finish" H head is designed for finish sanding and features an inner chevron belt.

ACP Head Air Cushion Pad

A pneumatically positioned pad is activated by the work-piece for finer sanding of solid wood parts.

- sanding insert: 80 mm wide (3")
- hardness: 0.55

Variable Cutting Speed

Variable, frequency controlled cutting speed allows the operator to determine the desired speed for optimal results.

- cutting speeds: 2 - 18 m/sec. (6.6 - 59 f/sec.)
- inverter controlled motor: 17.4 kW (23.4 hp)

Air Jet Belt Blower

An adjustable air-jet belt blower, adjustable in five intensities, activated by the work-piece:

- application optimized for more effective cleaning results
- cleans the abrasive belt for better sanding of work-pieces
- keeps the belt cooler, extending the life of the abrasive belt
- no additional dust extraction is required for this feature
- minor compressed air consumption required

Work-piece Cleaning Device

A work-piece cleaning device features rotating jets to blow dust off the work-piece.

- outlet size: 140 mm dia. (5.5")

Standard Accessories Kit

- one (1) machine tool kit
- one (1) operator's manual

Technical Specifications

Voltage*:	460 Volts, 3 Phase, 60 HZ (24 V controls)
Full load amps:	Approx. 150 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

Electrical connection: 460 volts. (230 volts on request with optional transformer)

Dust Extraction @ 4500 fpm (for estimating purposes only)

<u>Location</u>	<u>Diameter</u>	<u>CFM @ 3" Static</u>
Head 1	180 mm (7")	1205
Head 2	180 mm (7")	1205
Head 3	180 mm (7")	1205
Vacuum bed	160 mm (6.5")	1000
Work Piece Cleaning	140 mm (5.5")	750
Total CFM:		5365
Recommended main size:		14" – 16"

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 $\pm 5\%$ 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.

Price

Total price of above machine \$ 111,360.00

All prices quoted are F.O.B. Port of Entry

Price quoted includes importation and installation.

Price quoted excludes overland freight and all state and local taxes.

Optional Equipment and Services

Technical Support – Preventative Maintenance Plan \$ 1,200.00

In addition to technical support included in machine purchase, this plan provides one (1) preventative maintenance inspection, which includes:

- complete machine inspection
- machine calibration
- PC check
- minor repairs
- labor and travel expenses

Items Not Covered by This Proposal

1. Unloading machine upon arrival
2. Electrical and pneumatic service including wiring and piping
3. Transformer required for voltages other than 480
4. Dust extraction system and connecting ducts
5. Installation and wiring of the dust collection manifold
6. Compressed air lines to connecting points at 90 psi
7. Building alterations
8. Moving of existing machinery
9. Forklifts, cranes, scissors lifts, etc.
10. Permits to install and operate (when required)

Dimensions

All equipment offered is made to metric standards. Dimensions shown in English measure are approximate and for comparison purposes only.

Delivery

Available for shipment from the factory twelve (12) to fourteen (14) weeks after receipt of official order with down payment and clarification of all technical details.

Terms of Payment (Subject to Credit Approval)

- 30% with order
- 60% ex-factory or prior to shipment
- 10% on installation or 30 days after delivery (whichever occurs first)

Installation

Installation by a Stiles field service representative is included in the price quoted. Stiles Machinery Inc. cannot be held responsible for any delays caused by customs authorities.

Stiles Machinery defines installation as the assembly and preparation of the machine to the 'ready-to-run' state; it does not include any preparation of the site, floor, anchoring of machine to floor, masonry work, and running of electrical, pneumatic or dust extraction services to the site, or building alterations.

Your Company is responsible for the off-loading and positioning by crane, forklift or other means, as well as supplying the necessary equipment to perform the task. At your Company's request and expense, a Stiles field service representative can be made available during the off-loading and positioning in order to act in an advisory capacity, but this is to be understood fully at your own risk. Moving and modifying existing machinery in your facility is not included in the installation.

Once the machine is in the 'ready-to-run' state, and the necessary services have been provided, the field service engineer will test run, adjust as necessary, demonstrate and instruct your personnel who are selected to operate and maintain this machine. The field service representative will also review the manuals supplied for this equipment.

Programming of customer patterns/samples is not included. Our field service representative will demonstrate to your personnel how to enter your patterns/programming into the control as part of the installation. If additional instruction is requested, our field service representative will be available at the current published service rates.

Service and Parts

Stiles Machinery has made the most significant parts and service commitment in the industry. This commitment includes in excess of \$40 million on hand parts inventory available 24 hours/7 days a week/365 days a year. There is never an hour of any day that you cannot reach us for assistance. Your investment is further enhanced by a large, yet nimble service contingent consisting of more than 100 Field Service Representatives working from five regional service centers available for quick dispatch and short travel times.

Technical Support

With a machine purchase, the following support is included for a period of two (2) years, which begins at the conclusion of the machine installation:

- 24-hour technical phone support

Terms and Conditions

All equipment listed is offered subject to our Standard Terms and Conditions of Sale. The equipment is wired according to UL standards and may not conform to local codes in your area. If local regulations require inspection, the cost of the inspection and any modification(s) to the equipment is the responsibility of Buyer. Terms of payment offered herewith, or any terms agreed upon, are subject to proper credit approval. Due to fluctuations in currency exchange rates and freight costs, all prices are subject to confirmation or revision at time of order.

Unless otherwise stated, the price quoted is to be understood for delivery F.O.B. Port of Entry, U.S. Customs duty paid. Price of additional equipment, if any, valid only when installed at the factory during construction of the machine, and/or shipped with original machine. Technical description and data subject to change or modifications without notice. Our offers are contingent upon strikes, accidents to machinery by carriers, or any other cause beyond our control.

Unless specifically stated otherwise within the terms of this proposal, Stiles has no responsibility for staging, alignment or any other preparation of parts, panels or other materials fed into or otherwise introduced into the equipment covered by this proposal or for any unloading, stacking, routing, storing or any other disposition of parts, panels or other materials exiting such equipment.

This offer is valid for thirty (30) days.

STILES MACHINERY INC.
STANDARD TERMS AND CONDITIONS OF SALE

The foregoing agreement by Stiles Machinery Inc. ("Seller") is subject to the following terms and conditions:

1. Acceptance

This agreement by Seller is subject to assent by the customer ("Buyer") to all terms herein to which Buyer has previously objected (if any), or which materially alter any terms proposed by Buyer (if any) covering the subject matter of this agreement. Buyer's acceptance of any part of the goods sold hereunder, any payment by Buyer for such goods, or any other form of acceptance by Buyer, shall constitute Buyer's acceptance of all terms and conditions herein. Descriptions, specifications, information and other data concerning Seller's products contained in Seller's catalogs, circulars, advertisements, price lists, or similar promotional materials or representations or statements thereof made by Seller's representatives or sales agents are the Seller's estimates and approximations only, and shall not be binding except as and to the extent expressly agreed to by Seller. Seller objects to any terms and conditions proposed by Buyer which vary the terms hereof. Buyer acknowledges that these terms and conditions shall continue to be binding on Buyer regardless of any type of financing utilized by Buyer and/or any assignment of this agreement by Buyer. Buyer may only assign this agreement with Seller's written consent. Unless specifically provided otherwise within the terms of this agreement, seller has no responsibility for staging, alignment or any other preparation of parts, panels or other material fed into or otherwise introduced into the equipment covered by this agreement, or for any unloading, stacking, routing, storing or other disposition of parts, panels or other materials exiting such equipment.

2. Price Adjustment

Prices are based upon material, production, and manufacturing costs as of the date hereof and upon duty, surcharge, tariff and similar import or export charges and currency exchange rates in effect on the date hereof. Should there be changes adverse to Seller in such prices, charges or rates occur, the Seller reserves the right to adjust prices accordingly. Seller's quotations are not binding upon Seller unless expressly stated as such in writing.

3. Delivery, Shipment, Security Interest, Risk of Loss, and Claims

Delivery of goods covered hereby shall be F.O.B. at the port of entry nearest Buyer unless otherwise specified by Seller. Seller may, at its option, ship all of the goods covered herewith at one time or in portions from time to time. Seller will attempt to ship goods for delivery on or about the times stated on the face hereof, although time shall not be of the essence in this contract. In the absence of instructions from Buyer, Seller shall have absolute discretion as to mode and routing of shipment. Until Buyer has paid in full for all products sold, Buyer grants to Seller a security interest in all such products and to the proceeds thereof. Buyer authorizes Seller to execute or authenticate, or at Seller's option, Buyer shall execute and deliver, any financing statements or other documents that Seller may reasonably require for the perfection of such security interest and Buyer hereby authorizes Seller to do all other acts reasonably necessary for the establishment, perfection, preservation, and enforcement of its security interest. Risk of loss of the goods shall pass to Buyer upon identification of the goods to the contract. Buyer shall have all responsibility for and expense of preparing and filing claims against carriers for loss or damage to goods in transit.

4. Force Majeure

Seller shall have no liability for any non-performance or delay in performance caused by circumstances beyond Seller's control, including, but not limited to, acts of God, fire, flood, war, government action, accident, labor trouble or shortage, inability to obtain material, equipment or transportation, or failure of Seller's suppliers to furnish the goods.

5. Taxes

Buyer shall pay all privilege, occupation, personal property, sales, excise, use and other taxes applicable to the sale, purchase, storage, erection, use or ownership of the goods covered hereby, regardless of whether such taxes are invoiced by Seller.

6. Installation, Setting Up and Starting Goods

Unless otherwise agreed, prices do not include product erection or installation which shall be Buyer's responsibility and expense. Buyer may obtain erection or installation service and assistance from the Seller pursuant to a separately negotiated agreement, provided however, that nothing in this agreement shall obligate Seller to enter into any such agreement with Buyer except upon terms and conditions acceptable to Seller. The limited warranty as provided for in paragraph 9 shall apply only to products erected or installed by Seller or under Seller's supervision, or by some person or organization expressly approved and authorized in writing by Seller to perform such erection or installation. In the event any product is not thus erected or installed, this limited warranty shall terminate immediately upon erection or installation or expiration of Buyer's 10-day inspection period as provided for in paragraph 11. The average cost of meals for Internal Revenue reporting is .19% of the cost of the goods. Seller accepts no responsibility for material and equipment or for the acts of persons furnished by Buyer.

7. Payment Terms

Unless otherwise agreed, the net amount for products purchased shall be due and payable by Buyer immediately upon receipt of Seller's invoice. Invoices not paid within thirty (30) days after the date of Seller's invoice will be subject to carrying charges. Carrying charges shall accrue in the amount of one and one half percent (1 - 1-1/2%) per month (18% per annum) on any overdue unpaid balance. Seller's invoice shall constitute an "evidence of indebtedness" as that term is related to the recovery of attorney's fees. Buyer shall reimburse Seller for the costs of collection, including reasonable attorney's fees of any overdue amount owed by Buyer to Seller and such collection costs shall be added to Buyer's indebtedness subject to the aforementioned carrying charges. If, in Seller's opinion, Buyer's financial condition at any time does not justify continuance of the production or shipment on the terms of payment herein specified, Seller may require full or partial payment in advance. All payments shall not be deemed to have been made until so received by Seller. Buyer shall have no right and waives any right to set off, offset or recoup any debts or liabilities of Seller to Buyer against amounts deposited with Seller or due Seller for the purchase of goods covered hereby.

8. No Liability to Third Persons

Seller shall in no way be liable to Buyer for any claim or action by any third person arising out of or alleged to arise out of the delivery of goods covered hereby or out of the presence of Seller's employees on Buyer's premises in connection with this agreement, or out of the use, by Buyer or third persons, of the goods covered hereby. "Third persons" shall include, without limitation, employees of both Buyer and Seller as well as all third persons not connected with Buyer or Seller.

9. Remedies of Buyer and Limitation of Warranties

Seller warrants that the goods sold hereunder shall be free from defects in materials and manufacture at the time of delivery to Buyer. Seller may, at its option, repair or replace any defect, or pay the reasonable cost thereof, for any such defects notice of which is given to Seller within thirty (30) days after discovery of such defect by Buyer, but not later than one (1) year after delivery of the goods to Buyer, except that notices for defects relating to motors, bearings, switches, contactors, relays, electronic components, air controls or air switches must be received within one hundred eighty (180) days of delivery of goods to Buyer. Seller shall have no obligation to remedy any defect except upon delivery of the defective part or parts to Seller at Seller's office in Grand Rapids, Michigan. The repair, replacement, or payment in the manner described above shall be the exclusive remedy of Buyer for breach of Seller's warranty. *Seller disclaims all other warranties whatsoever, express or implied, including all warranties of merchantability and fitness for a particular purpose. In no event shall Seller be liable for any consequential, incidental, special or indirect damages whatsoever (including without limitation personal injury, property damage, lost profits or other economic injury) even if Seller has been advised of the possibility of such damages. Buyer shall have no right of rejection or revocation of acceptance against Seller for any part or all of the goods covered hereby.* Normal wear, tear, and deterioration during use, including but not limited to such items as light bulbs, belts, synthetic material and fuses, shall not constitute a defect in material or manufacture under this limited warranty. The one (1) year limited warranty is based on Buyer's business consisting of a single shift eight hour per day operation. In no event is Seller liable for any damages or loss attributable to incorrect use or abuse of the goods, including but not limited to, inadequate or improper maintenance or unauthorized alteration. The foregoing warranty of Seller shall not limit Buyers' recourse against a manufacturer of goods sold hereunder for any warranty extended by such manufacturer. The warranty of any manufacturer or other third party shall not be deemed to be the warranty of Seller.

10. Compliance with Laws

Unless otherwise expressly agreed in writing signed by Seller and Buyer, Seller shall not be liable to Buyer for, and Buyer agrees to indemnify and defend and hold Seller harmless from, any liability arising or alleged to arise out of, any failure of the goods covered hereby to conform to any federal, state, or local law, order, regulation, or standard. The equipment is wired according to UL standards and may not conform to local codes in your area. If local regulations require inspection, the cost of the inspection and any modification(s) to the equipment is the responsibility of Buyer.

11. Statute of Limitations, Claims

No suit may be brought by Buyer for any breach by Seller or any other claim arising out of this contract after two (2) years from the date of delivery of the goods covered hereby. Within ten (10) business days after receipt by Buyer of products sold, Buyer must give written notice to Seller of any claim based upon the condition, quantity, or grade of the products sold or of any claimed nonconformity with Buyer's specifications, which notice must indicate the basis of Buyer's claim in detail. The failure of Buyer to comply with this paragraph 11 shall constitute irrevocable acceptance of the products sold to Buyer and bind Buyer to pay to Seller the full price of the goods or equipment.

12. Waiver of Claims or Defenses Against Secured Parties

Buyer agrees that it will not assert against any party having a security interest in any contract between Buyer and Seller, or in the inventory or accounts of Seller, or against any other assignee of any such contract, accounts, or inventory, any claim or defense which Buyer may have against Seller.

13. Safety Devices

In operating the products, Buyer shall use and require its employees and agents to use all safety devices and guards on the products and will otherwise employ safe operating procedures. Buyer shall not remove or modify any such devices, guards or warning signs. Should Buyer fail to observe such safety precautions, Buyer will indemnify and save Seller harmless from any risk, liability, or obligation to persons injured directly or indirectly in connection with the operation of the products. Buyer assumes full responsibility for damages to the products as a result of the use of qualities, grades, or quantities of materials which adversely affect the construction and operation of the products. Buyer further assumes full responsibility for training and to warn and protect all operating personnel and keep others away from any and all dangers in connection with the operation of the products. If any additional safety devices or guards are specified by Buyer, or by local laws/regulations, these safety devices or guards must be identified by Buyer and Seller will then provide a quotation.

14. Cancellation

An order once placed with and accepted by Seller can be cancelled by Buyer only with the written consent of Seller and upon the terms that will indemnify Seller against any loss.

15. Governing Law, Venue, Service of Process

This contract shall be deemed to have been made in the State of Michigan, and any action arising out of it shall be governed by the law of the State of Michigan. Any action arising out of this contract may be brought only in a state or federal court sitting in the County of Kent, State of Michigan. Buyer consents that such courts shall have personal jurisdiction over Buyer with respect to any such action.

16. Reservation of Rights

No failure of Seller to insist upon or compel compliance by Buyer with any of the terms, provisions, or conditions hereof shall be construed as a waiver by Seller of its right to insist upon compliance therewith in the future.

17. Complete Agreements Modification

The provisions hereof are intended as a complete and exclusive statement of the terms of the agreement between Seller and Buyer. This agreement may not be modified, rescinded, or cancelled, and no waiver by Seller of any claim or right hereunder shall be effective, except by writing signed by an officer of Seller.