



Machinery for the Woodworking, Stone,
Glass, Plastic, and Metalworking Industries



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EXF # : SX-300055
Category : SANDERS-MULTI.HD/POLISHER
Brand / Model : EMC "UNDERTOP 1350 3RRR+3RRR"
Machine Type : WIDE BELT (SANDING LINE)
Year of Mfg. : 2024
Condition : Brand New w/Warranty
Elect / Voltage : 220/440 V, 60 Cy, 3 Ph.
Special Note : Brand New

FOB / Region : MIDWEST
Appr. Repl. Cost. : \$ 298,000
Price : **\$ 292,000 ***
Comment : 2 year warranty & money
back guarantee after trial
Leasing : Lease for \$ 5,803/Mo. at
NCL



Please ask me

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* Pricing is valid at the time of printing and subject to change at any time.

Description :

- **EMC UNDERTOP 1350 3RRR+3RRR - Heavy Duty Wide Belt Sanding Line Top + Bottom, both with (3) Contact Rollers.**

Useful working width 1,350 mm (53"). Working thickness min./max. 3 - 140 mm (1/8" - 5-1/2").

Speed synchronized infeed, intermediate, and outfeed conveyors; the line is fully synchronized with HARTING plugs both for the machines and the conveyors.

Both Bottom + Top Sanders equipped as follows:

1st Head: Steel Roller "R", Belts dimensions: 1,900 x 1,380 mm (74" x 54-5/16").

- Roller diameter: 250 mm (9-13/16"), spirally grooved.
- Constant control to any position with accuracy of 0.02 mm.
- "Grit-set system", electronic motorized grit compensation.

Sales - Liquidations - Auctions - Appraisals - Consulting

EX-FACTORY INC.: 1805 Sardis Road North | Charlotte, NC 28270 USA | Ph +1 704.841.2001 | Fax 704.644.8068
Warehouse & Showroom: 8191 Logistic Drive, Suite E | Zeeland, MI USA | Ph +1 616.772.1520 | Fax 704.644.8328



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- Rotation: Against feed (clockwise).
- Motor power: **30 kW (40 HP)** with Automatic Star-Delta starter.
- Abrasive Belt cutting speed: 30 m/Sec (98 FPS).
- Oscillating Air Jet Blower for abrasive belt cleaning.

2nd Head: Roller "R", Belts dimensions: 1,900 x 1,380 mm (74" x 54-5/16").

- Rubber roller diameter: 330 mm (13"), spirally grooved, Shore hardness 85.
- Constant control to any position with accuracy of 0.02 mm.
- "Grit-set system", electronic motorized grit compensation.
- ON-OFF selector for roller, pneumatically operated.
- Reverse rotation: clockwise & anticlockwise.
- Motor power: **22 kW (30 HP)** with Automatic Star-Delta starter.
- Abrasive Belt cutting speed: 26 m/Sec (85 FPS).
- Oscillating Air Jet Blower for abrasive belt cleaning.

3rd Head: Roller "R", Belts dimensions: 1,900 x 1,380 mm (74" x 54-5/16").

- Rubber roller diameter: 330 mm (13"), spirally grooved, Shore hardness 65.
- Constant control to any position with accuracy of 0.02 mm.
- "Grit-set system", electronic motorized grit compensation.

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- Rotation: Against feed (clockwise).
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- Abrasive Belt cutting speed: 26 m/Sec (85 FPS).
- Oscillating Air Jet Blower for abrasive belt cleaning.

Cleaning Brush Roller: TAMPICO, 200 mm (7-7/8") with micrometer adjustment to compensate brush wear. Driven by 3 kW (4 HP) motor. Dust hood 120 mm (4-3/4").

Feed system:

- **Constant pass line, 900 mm (35") from floor.**
- Idle PVC roller table support at infeed.
- Rubber covered presser rollers, grooved.
- Variable feed belt speed, adjustable from 3,2 to 24 m/Min (10 - 78 FPM), Inverter Controlled, synchronized.
- Motorized height adjustment via (4) precision screws.
- Large diameter screws on machined guides with columns and pistons.
- Automatic feed belt centering device.
- Pre-welded machined steel working table.
- Pneumatic air floating pressure holddown shoes at infeed, in middle position, and in outfeed position. Made of high quality steel, heat treated and machined for reduced friction during the sanding process.

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- **Vacuum conveyor beds both on top + bottom**, 5,5 kw (7,5 HP) each. Vacuum unit for holddown of smaller parts, mounted inside of the machine base with silencer.
- Air blower devise for feed belt cleaning at outfeed.

Infeed, Intermediate and Outfeed Conveyors: each 1.500 x 1.350 mm (59" x 53").

- Constant pass line 900 mm (35") +/- 40 mm (1-9/16").
- Variable feed speed inverter controlled and electronically controlled for synchronized speed and transfer with other machines of the line with use of HARTING plugs..
- Feed speeds from 0,4 to 8 m/Min (1,3 - 26 FPM).
- Conveyors are on wheels and retractable legs.

General Machine Features:

- Independent main motors.
- Analog ammeters, for each motor, on main control cabinet.
- Electronic motorized grit set system, control from touch screen for each (head) working group.
- Overload protection for each head.
- All doors equipped with soundproof material.

Electronic programmable color TOUCH SCREEN LCD display, 15" wide

- Resolution 1,024 x 768 pixels.
- PLC POWER LOGIC CONTROL with micro-processor of latest generation, modular and expandable.
- Memory capacity: (100) working programs or more.

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- Graphic synoptic to facilitate programming.
- Front protection IP 65 against dust & moisture.

Software facilities:

- Automatic motor sequence starting.
- Command, programming and display for thickness.
- Command, programming and display for feeding.
- Command, programming and display for all speed control inverters.
- Command, programming and display for selected groups.
- Command, programming and display for blowers, including compressed air saving function.
- Display report and reset of alarms (self diagnostic) with memory records.

Options Included:

- TELEMETRY for remote online service. Direct connection with EMC. No updates needed, free assistance.
- Electronic caliper for automatic thickness adjustment with radio frequency remote control. Range 60 meters (195 ft.).

Centralized Control Cabinet: IP 54 protection against dust & moisture. Analog ammeter on main control cabinet. Table (Conveyor Bed) lifting-lowering thickness system electrically controlled. AUTOMATIC Star-Delta starter on abrasive belt motors.

Centralized pneumatic control cabinet: IP 54 protection against dust & moisture. Pneumatic air filter with automatic water-drain system. Pneumatic adjustment for "Grit set system". Pneumatic plant working without lubrication. Compressed air pressure 6 bar (87 PSI)

Safety Features: CE

European standard safety norms in compliance with **2014/30/EC**

Oversized parts infeed protection bar. Anti-kickback device.

Door lock protections and delays while opening

Rear and front emergency push button

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Automatic emergency stop and alarm display in case of:

- * *Compressed air low*
- * *Electric motors overloading and dispersion*
- * *Emergency detector for over thickness material cut*
- * *Doors opened*
- * *Abrasive belt not tensioned*
- * *Abrasive belt lateral mistracking*
- * *Abrasive belt broken*

Special note: The price includes:

- 2-year warranty.
- Money back guarantee by EMC if the machine does not function up to the agreed standards for a trial period of 6 months.
- Commissioning on-site by an EMC engineer including set up of the machine, and full instruction & training of the people that will operate the machine.
- Ex Factory has an extended stock of spare parts in our Zeeland, MI warehouse.

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