



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



Date : 04/24/2024 - 1:22 PM *
EXF # : SX-300073
Category : SANDERS-MULTI.HD/POLISHER
Brand / Model : EMC "EXPLORER 1300 SUPER 3RRK"
Machine Type : WIDE BELT (50" - 90", 3-HEAD)
Year of Mfg. : 2024
Condition : Brand New w/Warranty
Elect / Voltage : 230 V, 60 Cy, 3 Ph.
Special Note : Brand New

FOB / Region : MIDWEST
Appr. Repl. Cost. : \$ 92,700
Price : \$ 0 *
Comment : Long 2,200 mm (87") belts.
Versatile full options
Leasing : Call for Quote



Please ask me

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

Description :

- **EMC EXPLORER 1300 SUPER 3RRK with TAMPICO Brush Roller... Wide Belt Sander with (3) Sanding Heads: Roller, Roller and Combination Head.**

Versatile, full options, medium duty machine, ideal for cabinet shops etc.

Useful working width 1,300 mm (51"). Working thickness min/max mm 3 - 170 (1/8" - 6-5/8").
SUPER indicates longer belt length of 2,200 mm (87").

Head configuration:

1st Head: Steel Roller "R". Spirally grooved. Roller diameter: 142 mm (5-9/16"). On/off selector pneumatically operated. "Grit-set system" for grit compensation. Constant control to any position with accuracy 0.02 mm. Rotation: Against feed (clockwise). Motor power: **18,5 kW (25 HP)**. Automatic star-delta starter. Rotating cutting speed: 18 m/Sec (59 FPS). Blower for abrasive belt cleaning.

2nd Head: Rubber Roller "R" Roller diameter: 142 mm (5-9/16"). Shore hardness 65. On/off selector pneumatically operated. "Grit-set system" for grit compensation. Constant control to any position with accuracy 0.02 mm. Rotation: Against feed (clockwise). Motor power: **11 kW (15 HP)**. Automatic star-delta starter. Rotating cutting speed: 18 m/Sec (59 FPS). Blower for abrasive belt cleaning.

3rd Head: Combination Roller & Pad "K". Roller diameter 142 mm (5-5/8"). Rubber covered roller with

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hardness 45 Shore. On/off selector pneumatically operated. Roller pressure adjustment control & "Grit-set system" for grit compensation. Motor power **11 kW (15 HP)**. Rotating cutting speed: 17 m/Sec (55 FPS). Blower for abrasive belt cleaning.

Electronic segmented Sanding Pad "CP" with 43 segments, each 29,7 mm wide (1-3/16"). Quick Change System for removable pad with felt & lamina. Rotating cutting speed 17 m/Sec (55 FPS). In connection with electronic reading bar at infeed with 43 segments.

Heads 2 + 3 use Abrasive Belt dimensions: 2,200 x 1,320 mm (87" x 52").
Abrasive belts oscillation by means of electronic photocell sensor.

4th Position: TAMPICO Brush Roller, 150 mm (6").

Feed System:

• **MOBILE WORK TABLE.**

- Vacuum table for small pieces, with 4 kW (5,5 HP) fan.
- Idle table rollers support in infeed and outfeed.
- Rubber covered presser rollers, grooved.
- Variable feed belt speed, adjustable from 3 to 17 m/Min (9.8 - 55 FPM) Inverter Controlled.
- Motorized table rise and fall including fine adjustment, on 4 precision screws.
- Automatic feed belt centering device.

Machine management system:

- Electronic colour 7" Touch Screen control & display. PLC with micro-processor - CP0291. Connection for USB, RS232, Ethernet 10/100/1000. Storage capacity of 100 sanding programs. Front protection IP65 against dust & moisture.
- Command, programming & display of all electronic pad functions, thickness, feed, inverters, on/off selectors, and abrasive belt blowers.
Visualisation report and reset of alarms.

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- Telemetry for remote online support directly from EMC.

General Machine Features:

- Analog ammeters, for each motor, on main control cabinet.
- Electronic motorized grit set system, control from touch screen for each head.
- Check Control Self Diagnostics with Alarm Control.
- Electronic raising and lowering of the table, thickness system, electronically controlled.
- Automatic Star/Delta switches on main motors.
- Independent Overload protection.

Safety Features:

- Infeed front emergency swinging bar for oversized panels.
- Infeed protection anti-kickback device.
- Rear and front emergency push buttons.
- Automatic brake on abrasive belts motors.
- Automatic emergency stop and alarm display in case of: Low Air Pressure. Doors opened ("easy maintenance and inspection"). Electric motors overloading. Emergency detector for over thickness material cut. No tension on abrasive belt. Abrasive belt lateral mistracking. Abrasive belt broken.

Centralized Control Cabinet: IP 54 protection. Analog ammeter on main control cabinet. Table lifting-lowering thickness system electrically controlled. AUTOMATIC Delta - Star starter on abrasive belts motors.

Centralized Independent Pneumatic Control Cabinet: IP 54 protection. Pneumatic air filter with automatic water-drain system. Pneumatic adjustment for "Grit set system". Pneumatic plant working without lubrication. Compressed air pressure 6 bar (85 PSI)

USA UL or Canada CSA safety norms.

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