



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



Date : 09/20/2024 - 11:15 AM *
EXF # : AP-300008
Category : ABRASIVE PLANER & SANDERS
Brand / Model : EMC "GIANT 1650 3WRP"
Machine Type : KNIFE PLANER/SANDER (3-HD. TOP)
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. : \$ 230,000
Price : \$ 0 *
Comment : High Tech Wide Belt
European Sander at a Great Pri
Leasing : Call for Quote

	Please ask me Louis Sicotte 800-374-5009 ext. 329 Intl. +1 704-841-2001 ext. 329 louis.sicotte@exfactory.com
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* Pricing is valid at the time of printing and subject to change at any time.

Description :

EMC GIANT 1650 3WRP ... Abrasive Planer/Sander with (3) Heads, Planer Head, Roller and Electronic Pad

Top of the line Heavy Duty Abrasive Planer/Sander from EMC. The series of GIANT machines are available in many configurations. This Abrasive Planer has a **helicoidal head** with insert tooling.

Useful working width 1,650 mm (65"). Working thickness min/max mm 3 - 140 (1/8" - 5-1/2").

Head configuration:

1st Head: Planer Head "W"

Cutter head knives diameter 180 mm (7-1/16").

Shaft for helicoidal position knives with **(625) Interchangeable knives** with 4 cutting edges, 14 x 14 x 2 mm.

Sectioned pressure bars in 24 independent segments.

Anti kickback protection made of 72 independent elements.

On-Off pneumatic cylinder for planer group in working position. Working pressure adjustment.

Motor power 37 kW (50 HP). With automatic star-delta starter. Rotation speed: 40 m/Sec (130 FPS).

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2nd Head: Roller "R"

Belt dimensions: 3,250 x 1,680 mm (128" x 66-1/8").

Roller diameter: 250 mm (9-13/16"). Spirally grooved rubber, Shore hardness 85. Constant control to any position with accuracy 0.02 mm.

On-Off pneumatic piston, controlled from the electrical panel.

"Grit-set system" for compensation of abrasive belt grit size.

Rotation: Against feed (clockwise).

Motor power: 22 kW (30 HP). With automatic star-delta starter. Rotating cutting speed: 26 m/Sec (85 FPS). Blower for the roller unit.

3rd Head: Electronic PAD "P" segmented in (92) sections.

Belt dimensions: 3,250 x 1,680 mm (128" x 66-1/8").

Electronic pad with 92 segments. Width of the single element (section): 18 mm (11/16").

Electronic motorized roller pressure adjustment.

"Grit-set system" for compensation of abrasive belt grit size.

Rotation: Against feed (clockwise).

Timed oscillating abrasive belt "air jets" cleaning.

Motor power: 18,5 kW (25 HP). With automatic star-delta starter. Rotating cutting speed 18 m/Sec (59 FPS).

Feed system:

Constant pass line, 900 mm (35.4") from floor (In line machine).

(1) Pneumatic controlled floating pressure bar in infeed position;

(2) Spring loaded floating pressure bars in intermediate positions;

(1) Spring loaded pressure bar in outfeed position.

Pressure bars made of high quality steel, heat treated, rectified, floating, combined with pressure rollers for easy transport through the machine.

Idle table rollers support in infeed and outfeed.

Rubber covered presser rollers, grooved.

Variable feed belt speed, adjustable from 3 to 24 m/Min (9.8 - 79 FPM). Inverter Controlled.

Large diameter screws on machined guides with columns and pistons.

Automatic feed belt centering device.

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 working group.

Electronic programmable color TOUCH SCREEN display, 7" wide

PLC with micro-processor of latest generation, modular and expandable

Connection USB, RS232, Ethernet 10/100/1000

Memory capacity: 100 working programs or more

Graphic synoptic to facilitate programming

Software facilities:

Automatic motor sequence starting.

Command, programming and display for all electronic pad functions.

Command, programming and display for thickness.

Command, programming and display for feeding.

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Command, programming and display for all 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:

LED light inside the machine.
Telemetry for remote computer assistance from EMC.

Centralized Control Cabinet: IP 54 protection against dust and moisture. 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 against dust and 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 (85 PSI)

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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