



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



Date : 04/19/2024 - 10:27 PM *
EXF # : AP-300003
Category : ABRASIVE PLANER & SANDERS
Brand / Model : EMC "GIANT 1350 3WRF"
Machine Type : ABRASIVE PLANER (3-HD. TOP)
Year of Mfg. : 2024
Condition : Brand New w/Warranty
Elect / Voltage : 220 V, 60 Cy, 3 Ph.
Special Note : Brand New

FOB / Region : MIDWEST
Appr. Repl. Cost. : \$ 163,000
Price : \$ 0 *
Comment : Abrasive Planer with
Replaceable Insert Head.
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 GIANT 1350 3WRF Abrasive Planer with (3) Heads, Planer Head, Roller and Superfinishing Pad**

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

Useful working width 1,350 mm (53"). Working thickness min/max mm 3 - 170 (1/8" - 6-5/8").

Head configuration:

1st Head: Planer Head "W"

- Cutter head knives diameter 180 mm (7-1/16").
- Shaft for helicoidal position knives with **(512) Interchangeable knives** with 4 cutting edges, 14 x 14 x 2 mm.
- Sectioned pressure bars in 24 independent segments.

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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- Anti kickback protection made of 72 independent elements.
- On-Off pneumatic cylinder for planer group in working position. Working pressure adjustment.
- **Motor power 30 kW (40 HP)**, Star-delta starter.
Speed rotation: 35 m/Sec (115 FPS).

2nd Head: Roller "R" Belts dimensions: 3,250 x 1,370 mm (128" x 54").

- Roller diameter: 250 mm (9-13/16").
- Roller rubber hardness 60-65 Shore. Constant control to any position with accuracy 0.02 mm.
- On-Off pneumatic piston, controlled from the electrical panel.
- "Grit-set system".
- Rotation: Against feed (clockwise).
- Motor power: 22 kW (30 HP) Automatic star-delta starter. Rotating cutting speed: 21 m/Sec (99 FPS).
Blower for the roller unit.

3rd Head: SUPERFINISHING PAD "F" Electronic PAD segmented in (75) sections.

- Belts dimensions: 3,250 x 1.370 mm (127-15/16" x 54").
- Width of a single element (section): 18 mm (11/16").
- **APC - Automatic Programmable Control** and setting of the air pressure.
- Electronic motorized roller pressure adjustment "grit-set system".
- Rotation: Against feed (clockwise).

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- Timed oscillating abrasive belt "air jets" cleaning.
- Motor power: 18,5 kW (25 HP) with electronic inverter variable abrasive belt speed 3 to 18 m/Sec (9.8 - 59 FPS).

Feed system:

- **Constant pass line, 900 mm (35.4") from floor (In line machine).**
- **Vacuum bed**, 4 kW (5,5 HP) for hold down of smaller parts, mounted inside of the machine base.
- Idle table rollers support in infeed and outfeed.
- Rubber covered presser rollers, grooved.
- Variable feed belt speed, adjustable from 3 to 20 m/Min (9.8 - 65.6 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:

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- 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.
- 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:

- **Vacuum bed**, 4 kW (5,5 HP) for hold down of smaller parts, mounted inside of the machine base.
- 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)

Options Available: Tampico Brush natural fiber brush for cleaning of the pieces, diameter 150 mm (6"). Motor Power 1.1 kW (1.5 HP), please add **\$3,950**

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