



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



**Date :** 04/23/2024 - 2:47 PM \*  
**EXF # :** SX-300039  
**Category :** SANDERS-MULTI.HD/POLISHER  
**Brand / Model :** EMC "FLEXY 1350 3TKFB"  
**Machine Type :** WIDE BELT SANDER (53" 3-HEAD)  
**Year of Mfg. :** 2024  
**Condition :** Brand New w/Warranty  
**Elect / Voltage :** 400 V, 50/60 Cy, 3 Ph.  
**Special Note :** Brand New

**FOB / Region :** MIDWEST  
**Appr. Repl. Cost. :** \$ 152,500  
**Price :** \$ 0 \*  
**Comment :** Versatile Configuration on a High Quality European  
**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 FLEXY 1350 3TKFB Finishing Sander, (3) Sanding Heads - Cross Belt, Combination, Superfinishing + Brushing**

Useful working width 1,350 mm (53"); Working thickness min./max. 3 - 190 mm (1/8" - 7-1/2").

#### Head configuration:

##### 1st Head: CROSS BELT PAD "T 50 C" Electronic Cross Belt Sanding Pad:

- Electronic PAD segmented in (50) section.
- Width of the single element (section): 27.0 mm (1.06").
- Abrasive belt length: 4,550 mm (179") Chevron belt length: 4,100 mm (161-1/2").
- Abrasive belt width: 140 mm (5-1/2") Chevron belt width: 130 mm (5-1/8").

**Sales - Liquidations - Auctions - Appraisals - Consulting**

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- Main motor power: 11 kW (15 HP) with Electronic Inverter for variable belts speed from 3 - 22 m/Sec (9.8 - 72 FPS). Abrasive belt blower cleaner, with automatic on-off control.

**2nd Head: COMBINATION Unit "K", Belt dimensions: 2,620 x 1,370 mm (103" x 54").**

- Roller diameter: 142 mm (5-5/8").
- Roller rubber hardness 85 Shore, Constant control to any position with accuracy 0.02 mm.
- **Electronic PAD segmented in (50) section.**
- Width of the single element (section): 27.0 mm (1.06").
- Rotation: Against feed (clockwise).
- Motor power: 11 kW (15 HP) Automatic star-delta starter. Abrasive Belt cutting speed: 18 m/Sec (59 FPS). Blower for the roller unit.

**3rd Head: SUPERFINISHING PAD "F", Electronic PAD segmented in (50) sections. With inner chevron belt.**

- Belts dimensions: 2.620 x 1.370 mm.
- Width of the single element (section): 27.0 mm (1.06").
- Electronic motorized roller pressure adjustment "grit-set system".
- Rotation: Against feed (clockwise).
- TIMING oscillating cleaning abrasive belt blowers for superfinishing.
- Motor power: 11 kW (15 HP) with electronic inverter variable abrasive belt speed 3 to 18 m/Sec (9.8 - 59 FPS).

**4th Position: TAMPICO natural fibre brush roller, 150 mm diameter (5-5/16")**

**Feed system:**

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**&#9679 Constant pass line, 900 mm (35.4") from floor.**

&#9679 Idle table rollers support in infeed and outfeed

&#9679 Rubber covered holddown rollers, grooved

&#9679 Variable feed belt speed, adjustable from 3 to 18 m/Min (9.8 - 59 FPM), Inverter Controlled

&#9679 Large diameter screws on machined guides with columns and pistons

&#9679 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 head setup.
- Automatic synchronized PAD anti-dubbing control, synchronized to ANY feed belt speed.

**Electronic programmable color TOUCH SCREEN display, 10" wide**

&#9679 PLC with micro-processor of latest generation, modular and expandable

&#9679 Connection USB, RS232, Ethernet 10/100/1000

&#9679 Memory capacity: 100 working programs or more

&#9679 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, for feeding, for all inverters, for the selected working heads.
- 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) vacuum unit for holddown of smaller parts, mounted inside of the machine base.

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

**TAMPICO Brush:** Natural fiber brush for cleaning of the pieces, diam. 150 mm (6"). Motor Power 1.1 kW (1.5 HP).

**Spotlight Inspection:** Special lights for visual inspection of the part as it leaves the machine.

**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)

Gross Weight 3,550 kG (7,810 Lbs.)

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