



PSA 80 PRO

BY OMNIROBOTIC

The PSA-80 PRO stands out as the fastest, most user-friendly, and highest-quality sanding solution available on the market. Its ability to handle multiple panels simultaneously, combined with its pendulum cycle, results in higher throughput and lower labor costs.

- Boost Productivity.
- Ensure Quality.
- Maximize ROI.



Fanuc CRX-25iA Cobot (IP67)

8 YEARS
MAINTENANCE
100%
PROVEN
INDUSTRIAL
RELIABILITY

Industrial 3D Cameras
(IP67)

FC-40™ Force
Compensator

Standard Pneumatic
Orbital Sanders

Simple Operator
Control Panel

Capacity

Suitable for	MDF, HDF, Hardwood, Solid Panels, and Wood Veneer
Available Sanding Presets	Hardwood, Raw MDF/HDF, Raw Veneer, Primer, Stain Preparation, Sealer, Lacquer.
Door Size	Min. size: 100 mm x 100 mm (4" x 4") The largest panel that can be made in a single cycle is 914 mm x 2032 mm (36" x 80"). Larger doors can be processed in multiple cycles.
Center Panel Size	Min. size: 92 mm x 116 mm (3.6" x 4.5")
Door Type/ Part	Mullions, Multi-Panel, Multi-Width Rails and Stiles, Open Frames, Raised Panels, Recessed Panels, Slabs, Shakers and even Face Frames.
Productivity	Up to 500 panels per 8h, 135 m ² (1458 ft ²). Depending on the sanding parameters and loading conditions
Motion Precision	0.1 mm accuracy from detected edges
Unsupported Doors Examples	Crown Molding, Louvered, Arched doors, Shallow multi-panel. Test your doors for free before you buy.

Generals Properties

Power Tool	3" x 4" pneumatic orbital sander 6" dual action pneumatic orbital sander
Media Type	Dust-free net abrasive
Machine Footprint	3 m x 3 m (120" x 120")
Required # of Operators	From 1/2 to 1 person per machine
Warranty	1 Year on main components

Admin Adjustable Parameters

Tool Speed	1 to 250 mm/s (0.04 to 9.8 "/s)
Force Compensation	15 to 50 Newtons (3.4 to 11.2 lb-f)
Passes Overlap	0 to 90%
Number of Passes	Single or Multiple
Sanding Pattern	Raster, Alternate Raster, or Criss-Cross

Power Requirements

Electrical	240 VAC @ 30A single phase
Pneumatic (min.)	4.1 bar @ 480 lpm (60 psi @ 17 cfm)
Environment	Temperature 0 - 45°C (32 - 113°F) Humidity 0% - 90% non-condensing



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