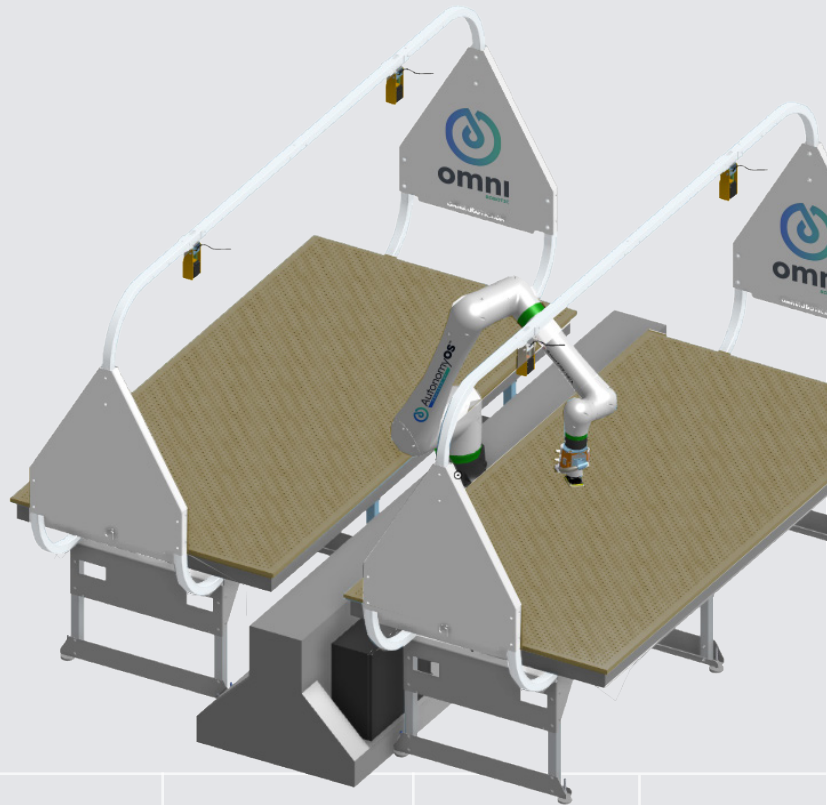




Panel Sanding Assistant XL

Autonomous Robotic Sanding
Powered by AutonomyOS™

The Panel Sanding Assistant XL offers autonomous sanding quality and performance in its simplest form.



Fanuc CRX-25iA Cobot (IP67)



Industrial 3D Camera (IP67)

Force Compensator

Standard Pneumatic Orbital Sander

OmniBrain™ (Fanless Industrial Server)

Simple Operator Control Panel

Capacity

Purpose	Sanding raw MDF or hardwood and denibbing primed/painted panels
Panel Size Capacity	Min. size: 150mmx150mm (6"x6") Max. size: 3.66mx1.52m (12'x5')
Pocket Size Capacity	Min. pocket size: 150mmx150mm (6"x6")
Productivity	Up to 32 square meter/h (344 square feet/h) Depending on the sanding parameters and loading conditions
Power Tool	5" pneumatic orbital sander
Motion Precision	0.1mm accuracy from detected edge

Generals Properties

Machine Footprint	4mx4.6m (13'x15')
Required # of Operators	From 1/2 to 1 person per machine
Warranty	1 Year on main components

Admin Ajustable Parameters

Tool Advance Rate	1 to 300mm/s (0.04 to 11.8"/s)
Force Compensation	1 to 50 Newtons (0.22 to 11.2 lb-f)
Passes Overlap	0 to 100%
Number of Passes	Single or multiple
Media Type	Up to 3 different grits (120 to 400)

Power Requirements

Electrical	208 to 240 VAC @ 15A
Vacuum (min.)	1.5 kPa @ 20m3/min (6" of water @ 2100 cfm)
Pneumatic	5.5 bar @ 480 lpm (80 psi @ 17 cfm)
Environment	Temperature 0 - 45°C (32 - 113°F) Humidity 0% - 90% non-condensing



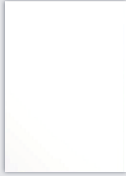


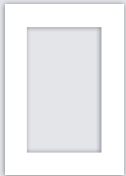

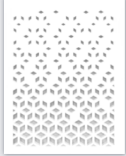

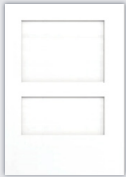
Solving the skilled labor shortage with affordable, advanced machines that anyone can use.
www.omnirobotic.com

Sales or General Inquiries
(450) 231-1077
sales@omnirobotic.com








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Supported Style*			
	Flat panels		Flat center panels with raised flat frame. Corner or fine moldings must be sanded by hand.
	Flat center panels with raised flat frame		Frame only (no center panel)
	dimension cavity (At least 92 mm wide)		Perforated or grooved flat panels
	Flat center panels with minimally raised thin flat frame		Multi-cavity panels with asymmetrical framing

*The size of the panel must be less than or equal to 3.66m x 1.52m (12' x 5')

Supported Material	
	Raw MDF
	Raw Wood
	Varnished Wood
	Primed MDF or Wood
	Painted MDF or Wood

Unsupported Style*			
	Cathedral or fretwork panels		Shaped central corner panels
	Raised flat frame with molding		

*Panel larger than 3.66m x 1.52m (12' x 5') are not supported



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