

MAC Industrial Stacker

*The efficient way to stack and brush industrial plates
oven*



The MAC Industrial Stacker is designed specifically for stacking and brushing Industrial and Commercial sized plates.

As a perfect compliment to your industrial pasting line, you can stack your industrial size pasted plates that come directly from the flash drying oven, brush the edges (adjacent to the lugs), brush between the lug and the frame, and have a stack palletizing option.

The MAC Industrial Stacker will stack and brush single or double industrial type plates with or without lugs. This machine can handle plates that are 203 mm (8 inches) to 711 mm (28 inches) long, as long as the lugs are not longer than 32.0 mm (1.25 inches). It handles widths of 102 mm (4 inches) to 254 mm (10 inches), and thicknesses of 2.03 mm (.080 inches) to 9.52 mm (.375 inches).

These plates can be processed in stacks 25.40 mm to 102 mm (1 to 4 inches) high.

The MAC Industrial Stacker was designed to stack pasted panels coming from the end of a flash-drying oven. The panels flow onto an elevator which gradually moves down until the desired stack height is achieved. At this point, fingers will hold the next few plates while the elevator indexes the stacked group forward. The elevator then returns to pick up the next stack that has already been started.

First, the stack is indexed to a station where the lug sides of the stack are brushed by static side brushes. This knocks the paste from between the lug and the frame for better strap casting quality.

Next, the stacked group is indexed to a brushing station where rotary powered brushes remove residual paste from the sides of the stack.

This will drastically reduce the amount of scrap paste being carried through the factory.

Lastly, the finished stack then moves forward to one of two lift stations. Here they can either be removed by hand, picked up with an assist-a-lift, or automatically palletized using a commercially available robot. MAC can provide such a robot palletizing option.

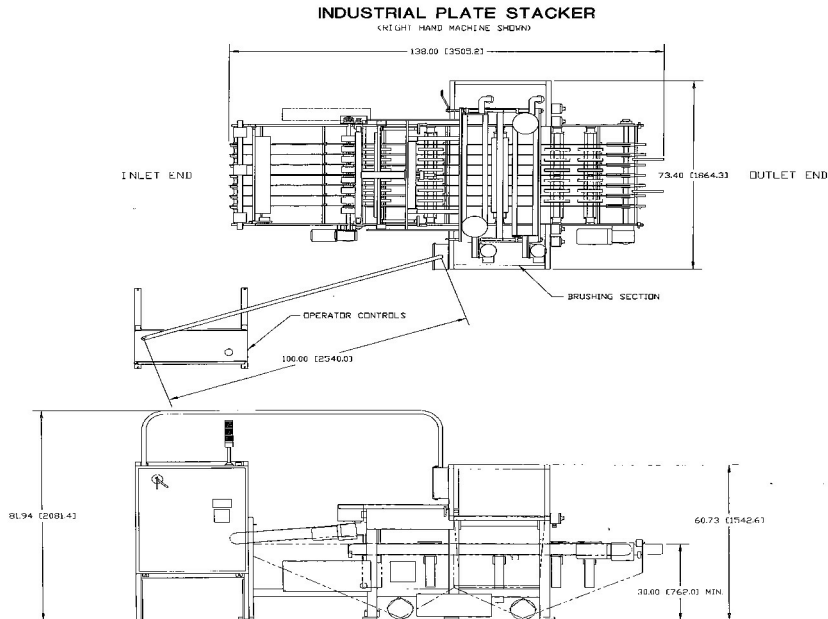
The MAC Industrial Stacker can process up to 100 panels per minute, depending on plate type.

The MAC Industrial Stacker will reduce labor by at least one operator from each line, reduce lead in air inside your factory, reduce risk of injury to your operators, and make your industrial operation more efficient than ever before.

- ◆ Stack your industrial and commercial size plates
- ◆ Brush the sides of your plates
- ◆ Optional palletizing
- ◆ Improve efficiency - reduce labor
- ◆ Lower lead in air
- ◆ Reduce risk of injury

MAC Industrial Stacker

TECHNICAL SPECIFICATIONS



Required User Data:		Foundation requirements:	
<ul style="list-style-type: none"> Specify right or left side of machine operator main electrical enclosure Specify electrical requirements Submit grid designs or samples 		Standard 102 mm (4 inch) thick reinforced concrete floor or pad. Holes for lag bolting to floor are provided.	
Production rate:		Speed depends upon pasted panel design.	
	<u>Plate thickness</u>		<u>Maximum Speed (approximate)</u>
	2.0 - 2.5 mm (.08 - .1 in)		100/Minute
	2.5 - 3.5 mm (.1 - .14 in)		70/Minute
	3.5 - 5.5 mm (.14 - .21 in)		50/Minute
	5.5 - 10.0 mm (.21 - .39 in)		25/Minute
Product capabilities:			
Panel Height:	152 to 711 mm (6 to 28 inches) (maximum including lug(s): 851 mm (33.50 inches))		
Panel Width:	102 to 254 mm (4 to 10 inches)		
Stack Height:	24 to 102 mm (1 to 4 inches)		
Operational Requirements:			
Personnel:	One, semi-skilled	Control Voltage:	24 VDC
Electrical: <i>(specify voltage required)</i>	220 to 575V, 3-phase, 50 to 60 Hz, 11.2 KVA	Hydraulics:	None
Electric Motors: (All Motors controlled with variable frequency drives)	(1) Inlet Conveyor 1/2 HP (1) Main Conveyor 1 HP (2) Brush 2 HP (2) Brush Moves 1/3 HP	Ventilation:	Two 152 mm (6 inch) diameter ducts, 1800 CFM minimum
Compressed Air :	4 SCFM @ 80 PSI 0.1 CMM@5.5 bar	Approximate Weights and Dimensions:	
		Crated Weight: 1,995 kg (4400 pounds) Dimensions: 4114 x 2083 x 2184 mm (162 x 82 x 86 inches)	



Helping to make the best batteries...yours.
MAC Engineering and Equipment Company, Inc.
 2775 Meadowbrook Road, Benton Harbor, Michigan 49022, U.S.A.
 Telephone: +1 (269) 925-3295 or 1-800-756-8608 Fax: +1 (269) 925-33
 e-mail: maceng@mac-eng.com
 For a preview of our equipment visit: www.mac-eng.com

