

MAC Hi-Speed Stacker (HSS) with SAB

**The choice for Continuous or Parted Cast Platemaking
High Speed Stacking (HSS) and Stack Aligner Brusher (SAB)**

- ◆ Stack parted panels or continuous plates
- ◆ Speeds of up to 180 Feet (55 meters) per minute
- ◆ Stack Aligning plus 3 side motorized Brushing and Lug Side Static Brushing
- ◆ Ideal for AGM plates that require full side brushing



THE MAC HSS with SAB will quickly and automatically stack parted cast or continuous plates (lugs in or lugs out) at a speed of up to 55 meters (180 feet) per minute. It can handle the production of the fastest pasting systems in the world such as the optaMAC X610 Pasting System or the MAC Steel Belt Continuous Pasting System.



(Picture 1)

The 'State of the Art' electronics, using Control/Compact Logix with Panel View Plus, allows the machine to read the number of plates in a stack to achieve the desired stack height. Once the proper stack height has been achieved, the stack (see *Picture 1*) will be lowered to the conveyor and indexed to the Stack Aligner.

Then the two gripper heads on a gantry type system will pick up each stack, rotate the stacks so that the lugs are on the trailing side, and place them into the Aligner.

The Aligner will then tap and shuffle the stacks until they are aligned for proper brushing (see picture 2).



(Picture 2 - Precision aligned stacks after Stack Aligner)

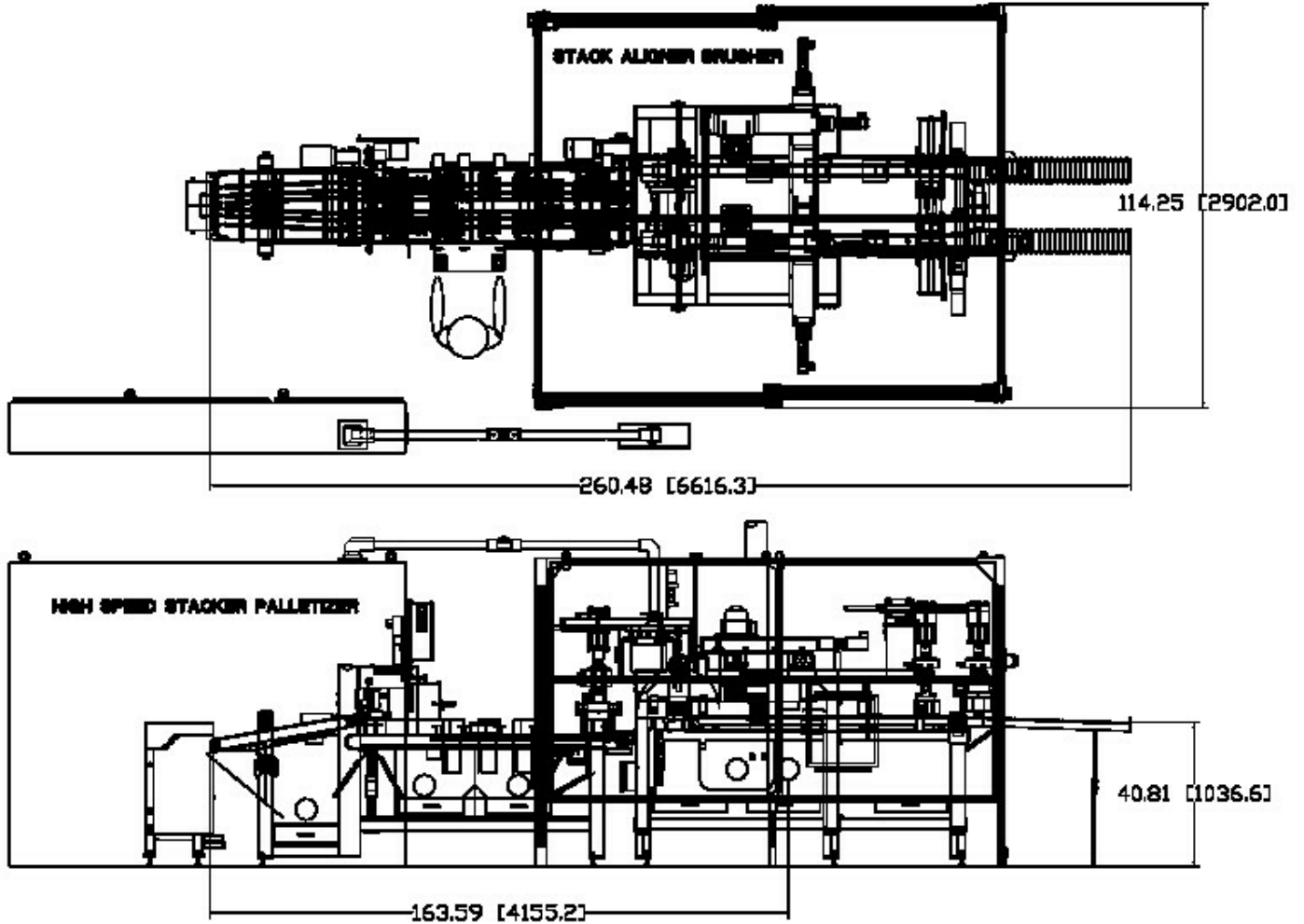
The stacks will then index into the Brusher where two brushing stations await, one that brushes the sides and bottom of the stack and the next station that brushes the lug side. Motorized brushes (programmable on/off) are used for the sides and bottom and static brushes are used for the lug side so that there is no damage caused to the lug.

The stacks are then indexed out into position to be manually or robotically taken off and palletized.

For stacking, aligning, brushing and palletizing, the only way to go is the MAC Hi-Speed Stacker with SAB.

MAC Hi-Speed Stacker with SAB

TECHNICAL SPECIFICATIONS



Required User Data: <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 		Foundation requirements: Standard 102 mm (4 inch) thick reinforced concrete floor or pad. Holes for lag bolting to floor are provided.	
Product rate: Up to 55 meters (180 feet) per minute. Production rate is estimated using 0.040" thick pasted strip, 4" high stacks, with plate widths at 5.500". Actual production rates are dependent upon plate orientation, condition, thickness and width.			
Product capabilities: Panel Thickness: 1 to 3 mm (.040 to .125 inches) Panel Height: 76 to 178 mm (3 to 7 inches) Panel Width (without lugs): 152 to 356 mm (6 to 14 inches) Lug Length (std): 11 to 19 mm (.44 to .75 inches) Maximum Stack Height: 81.28 to 152.4 mm (3.2 to 6 inches)			
Operational Requirements:			
Personnel:	One, semi-skilled	Control Voltage:	24 VDC
Electrical:	220-480V, 3Ph, 50-60 Hz, 26.6 KVA	Compressed Air :	4 CFM @ 80 PSI
Electric Motors:	(2) 2HP, AC motors, (6) servo motors	Ventilation:	(6) 6" ducts @ 800CFM each



Helping to make the best batteries...yours.
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