

# MAC In-Line Hi-Speed Stacker (HSS)

The choice for Continuous or Cast Grid  
High Speed Stacking and Aligning

- ◆ Stack parted cast panels or continuous plates (lugs in or out)
- ◆ Speeds of up to 180 feet (55 meters) per minute
- ◆ In-Line Stack aligning

**THE MAC In-Line HI-SPEED STACKER** 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.

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 will be lowered to the conveyor and indexed to the aligner.

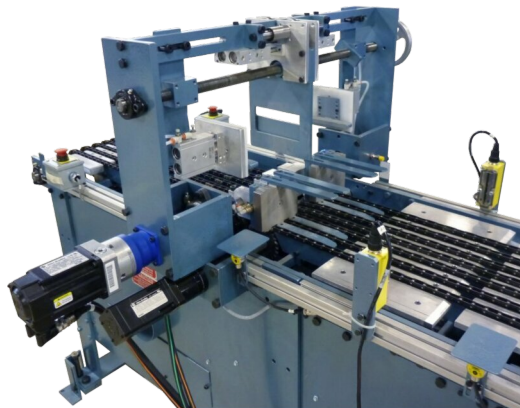
The stacks will index into the aligner fixtures (see picture 1). The fixtures will rotate 90 degrees where the aligner will then tap and shuffle the stacks until they are aligned.



After alignment, the fixture will rotate another 90 degrees to release the aligned stacks onto the conveyor. (see picture 2 for an example of aligned stacks).

or robotically taken off and palletized.

The stacks are then indexed



Picture 1: In-Line High Speed Aligning Fixtures



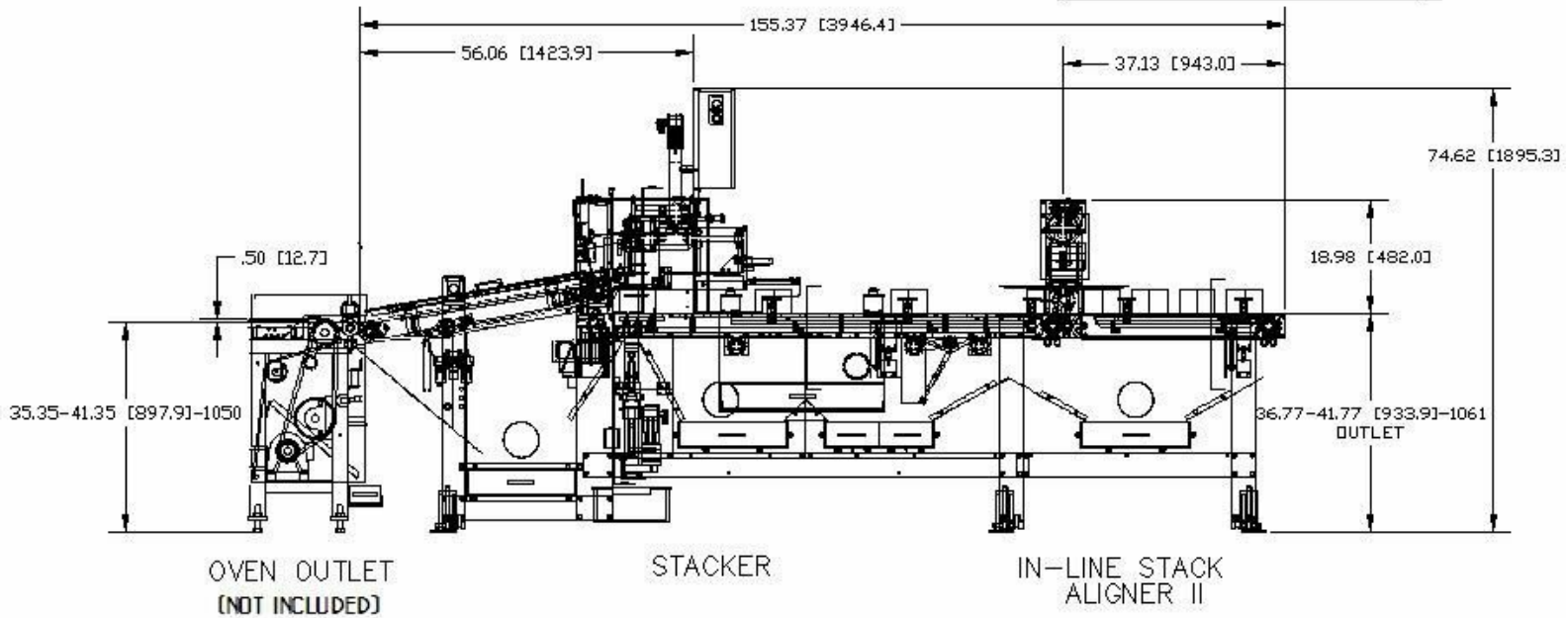
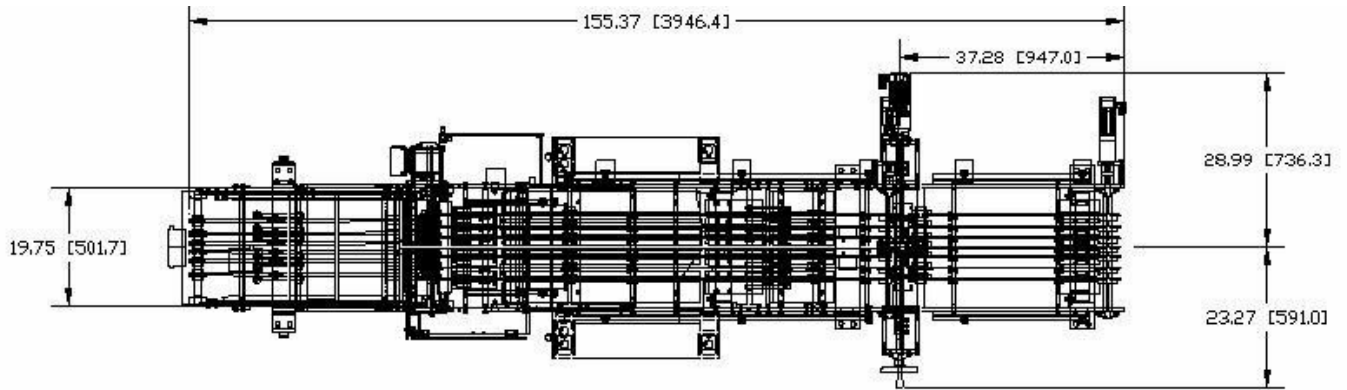
Picture 2: Precision aligned stacks after Stack Aligner

out into position to be manually

**For stacking, aligning and palletizing, the only way to go is the MAC In-Line Hi-Speed Stacker.**

# MAC In-Line Hi-Speed Stacker

## TECHNICAL SPECIFICATIONS



<b>Required User Data:</b> <ul style="list-style-type: none"> <li>▪ Specify right or left side of machine operator main electrical enclosure</li> <li>▪ Specify electrical requirements</li> <li>▪ Submit grid designs or samples</li> </ul>		<b>Foundation requirements:</b> Standard 102 mm (4 inch) thick reinforced concrete floor or pad. Holes for lag bolting to floor are provided.	
<b>Product rate:</b> 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.			
<b>Product capabilities:</b> 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)			
<b>Operational Requirements:</b>			
<b>Personnel:</b>	One, semi-skilled	<b>Control Voltage:</b>	24 VDC
<b>Electrical:</b>	220-480V, 3Ph, 50-60 Hz, 26.6 KVA	<b>Compressed Air :</b>	4 CFM @ 80 PSI
<b>Electric Motors:</b>	(2) 2HP, AC motors, (6) servo motors	<b>Ventilation:</b>	(6) 6" ducts @ 800CFM each



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