

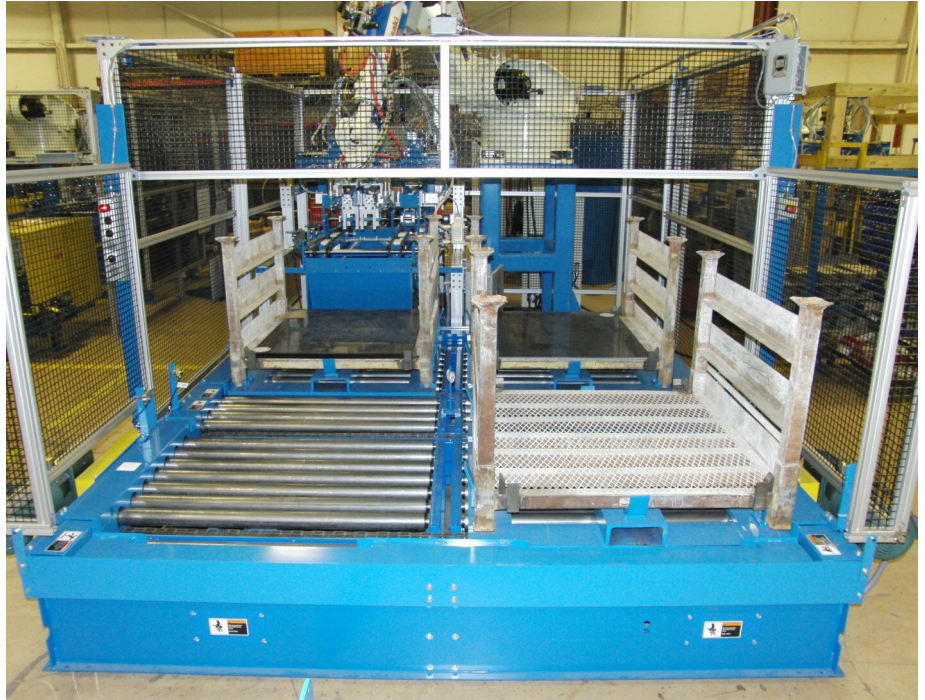
# MAC Robot Rack Handling System

## The choice for Continuous or Cast Grid High Speed Rack and Palletizing

- ◆ Rack or palletize stacked parted cast panels or continuous plates (lugs in or out)
- ◆ Speeds of up to 180 feet (55 meters) per minute

The **MAC rack and palletizing system** will quickly and automatically load stacked parted cast or continuous plates (lugs in or lugs out) at a speed of up to 55 meters (180 feet) per minute on a rack or pallet. 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, and the robot allows the system to achieve the desired layer stack height and layout.



Once the stack layer has been achieved, the robot will place a slip sheet on the pallet or rack until it is full.

Once full, the rack or pallet will index into the pickup station. The rack that contained the slipsheets will index into the stack load station.

The empty rack or pallet with the slip sheets will index into the slip sheet station leaving the rack load station empty to receive a new rack loaded

with slip sheets.

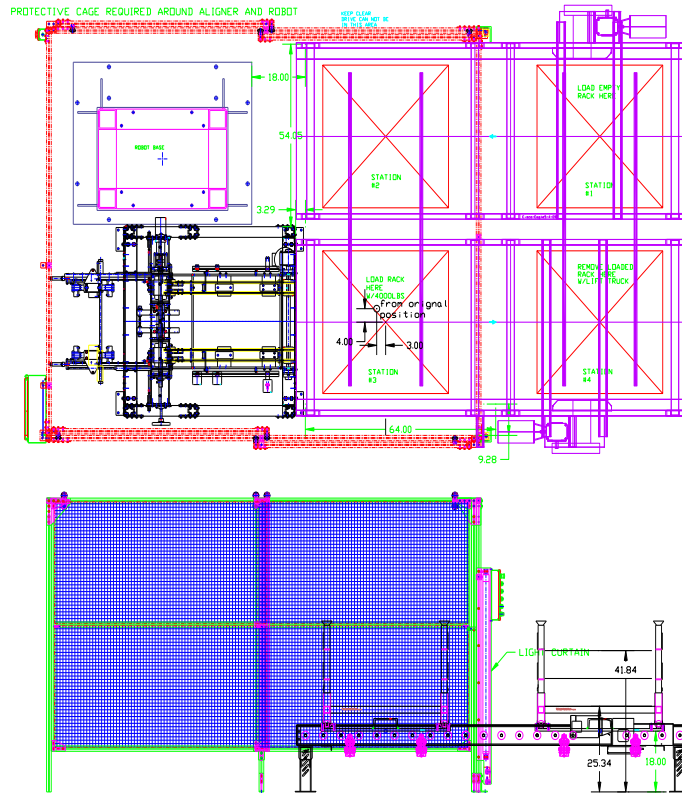
Robotic palletizing and automatic rack handling system options are available to use with MAC High Speed Stackers for further reductions in labor.

Robot and rack handling systems are options for these machines:

HSS-ILA  
HSS-SAB

# MAC Robot Rack Handling System

## 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> <li>Specify layer layout of panels or plates</li> <li>Specify customer rack or pallet size</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. Robot requires reinforced concrete floor that is specified by the size.	
<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>	Customer supplied as required by local standards and regulations



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