

Automatic Pallet Changer for **FANUC** RoboDrill

Keep your Robodrill cutting, not waiting.

MIDACO's **Automatic Pallet Changer** is built to drive productivity, streamline workflow, and elevate your FANUC ROBODRILL investment. Designed to maximize spindle utilization and extend operator walk-away time, this compact system enables higher output. By reducing spindle idle time and accelerating part changeovers, it keeps your Robodrill cutting more and waiting less. Optional three-sided CE light curtain guarding ensures enhanced operator safety while maintaining full machine accessibility.



Automatic Pallet Changer Includes:

- 1 - MIDACO servo drive shuttle system with automatic door
- 2 - cast aluminum pallets XY size 22" x 15" (558.8 x 381mm), 27" x 15" (685.8 x 381mm), or 30" x 19" (762 x 482.6mm) depending on model.
- 1 - cast iron pneumatic receiver with a weight capacity of 500 lb (227kg) to 1,000 lb (454kg) per pallet depending on model {with weight evenly distributed}.

Control panel is fully integrated with the Robodrill via M-codes

MIDACO MODELS FOR FANUC

A2216SD - RoboDrill Medium Bed RD Series

AS2716SD - RoboDrill Long Bed RD Series

A3020SD - RoboDrill Long Bed Y500 Advanced



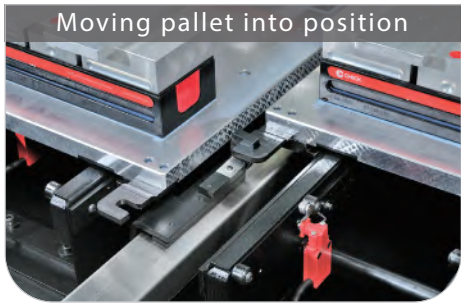
Servo Drive engaging pallet



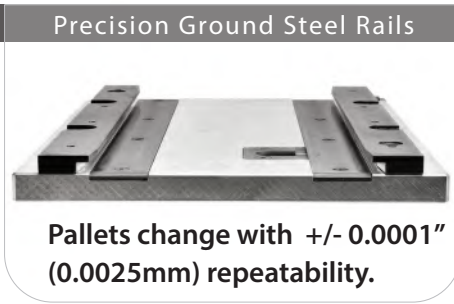
Cast Aluminum Pallet Top



Receiver with 4 hardened pads

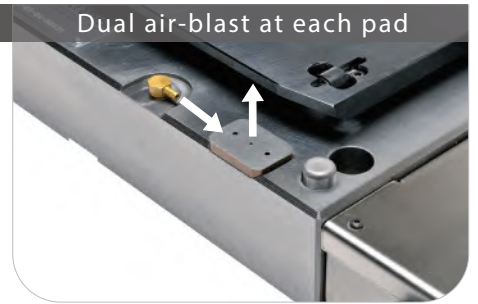


Moving pallet into position



Precision Ground Steel Rails

Pallets change with $\pm 0.0001''$ (0.0025mm) repeatability.



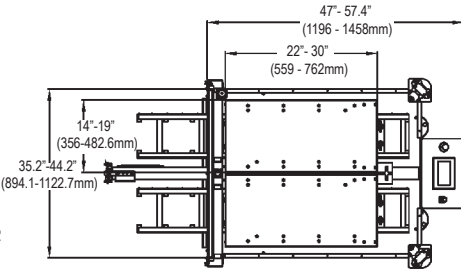
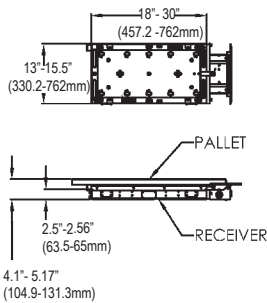
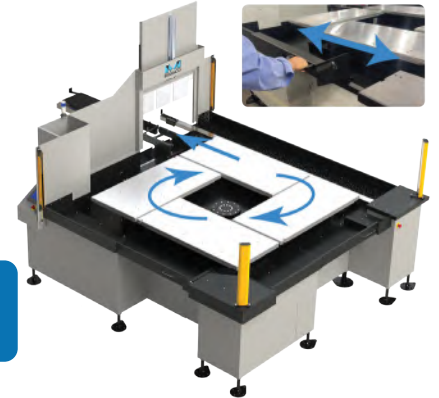
Dual air-blast at each pad

STANDARD SYSTEM INCLUDES:

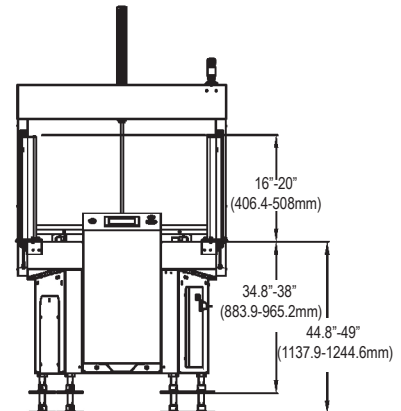
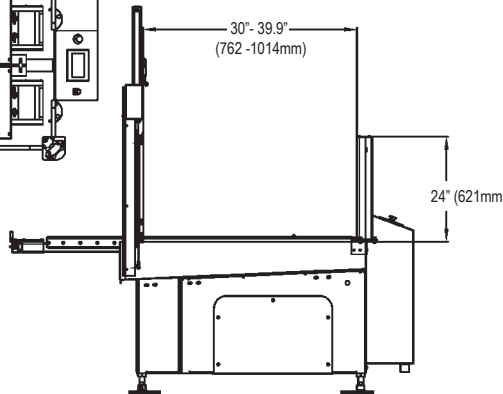
- 1 - Cast Iron Receiver with Airblast for Chip Removal
- 2 - Plain Cast Aluminum Pallets
- 1 - End Mounted Shuttle
- 1 - Custom-Fitted, Automatic Door
- 1 - Pallet Clamp Confirmation



Manual Front Load Pallet System and Automatic Rotary 4-Pallet Changer are also available. Ask for details.



Note: Diagram shown with CE Light Curtain



Specs Depending on Model Size

Clamping Force*	4500-5200 lbs	(2043-2358 kg)
Receiver Weight	95-223 lbs	(43-101 kg)
Pallet Thickness	1"-1.5"	(25.4-38.1mm)
Pallet Load Cap**	500-1000lbs	(227-453kg)
A (Pallet "X" Dim)	22"-30"	(559-762mm)
B (Pallet "Y" Dim)	15" -19"	(381-482mm)

*At 100PSI (6.9 bar) **At 120PSI (8.2 bar) with weight evenly distributed on pallets Patented. Specifications subject to change without notice.