



MIDACO
CNC PRODUCTIVITY

SWAP CYCLE REPEAT

It's that simple...



Pallet Changers are one of the most practical and cost-effective ways to boost machining center Overall Equipment Effectiveness (OEE). Many shops associate "automation" with robotics or full FMS setups, overlooking the simpler Automatic Pallet Changer solution.



Explore MIDACO's Full Line of Machine Shop Productivity Solutions

- Automatic Pallet Changers for small and **LARGE** VMCs
- Micro "hand-load" & Manual Shuttle Pallet Changers
- CNC AutoDoor Openers for Ergonomic Benefits
- Robot Access Doors for CNC Side Entry Automation
- Trunnions & Automated Workholding Accessories
- CNC Chip Fan and CNC Fluid Tank Maintenance
- Heavy Duty Industrial Vacuums for Coolant and Chips
- Grinder-Guard LED Shields & Vacuum Dust Collectors for Bench & Pedestal Grinders and Buffers.

Why Choose Pallet Changers

- ✓ By allowing operators to load, unload, and set up parts offline while the CNC machine is running, MIDACO pallet changers drastically reduce downtime. This can result in up to 60-80% more spindle utilization, shorter lead times, and increased profitability.
- ✓ There's no steep learning curve or expensive tooling required. You can continue using your existing processes and workflows, making adoption seamless while maintaining $+/-0.0001$ (0.0025mm) repeatability.
- ✓ Automatic Pallet sizes range from 22" x 14" (558.8mm x 355.6mm) for small VMCs, up to 190" x 72" (4826mm x 1829mm) for **LARGE** VMCs, machines with tables which don't move in Y-axis, and Bridge Mills handling heavy oversized parts up to 32,000lbs (14,528kg). Pallets can be crane- or gantry-loaded directly, eliminating overhead restrictions and streamlining workflow.
- ✓ Runs through the VMC controls via M-code. No complex programming or additional automation infrastructure is required, making the system suitable for facilities aiming to improve throughput without extensive reconfiguration.

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Full Product Line



Automatic Pallet Changers

Single & Dual Shuttles with 2 pallets, size XY from 22"x14" up to 190" x72" and 32k lb capacity.



Automatic Rotary 4-Pallet Changers

Single & Dual Shuttles with 4 pallets each. Pallet size XY from 28"x15" up to 50"x24" and 1k lb capacity per pallet.



Automatic Y-Shift Pallet Changers

For machines with tables which do not move in Y-Axis. Pallet size XY from 30"x16" up to 150"x50" and 8k lb capacity.



Manual & Micro Pallet Changers

Micro without shuttle Pallet XY 12.75"x10.5". With Shuttle, pallet XY from 16"x14" up to 60" x25".



CNC AutoDoor Opener Systems

Reduce operator fatigue and gain ergonomic benefits with AutoDoors. Ideal for unattended Robot or Cobot loading.



Robot Access Door Systems

Retrofit any enclosed CNC for side entry automation. Keeps access to CNC front doors clear.



Chip & Coolant Maintenance

CNC Chip Fans, Automatic Coolant Cleaning System and Chip Washdown System to keep the CNC clear.



CNC Industrial Vacuums

Heavy duty for CNC fluids and chips. 150-micron PPL filter for very fine chips. Filtered for easy disposal or fluid reintegration.



Grinder-Guard & Grit-Grabber

LED illuminated lexan safety shield and vacuum pedestal dust collector for grinders and buffers.

