



Pallet Changer Model Guide for **Mazak** Machines



Optional CE Light
Curtain Guarding
on Automatics



Optional Hydraulic Docking
System and Cobot Mount for
Expanded Automation



Affordable CNC Automation & Productivity Solutions

MIDACO Pallet Changers
and Automatic Door Openers increase
productivity and decrease down time.
KEEP THE SPINDLE RUNNING!

MIDACO Model Guide for **Mazak** Machines

Automatic Pallet Changers are available in pallet sizes from 22" x 15" to 150" x 32".



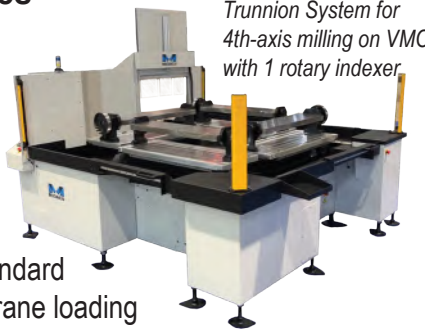
Convenient pallet loading
access on two sides

Automatic 4-Pallet Changer

Available in XY pallet sizes
of 28"x15" up to 50"x24"

- 4 pallets
- 1 shuttle with 360° rotation
- 1 cast iron receiver
- 2 loading access stations
- 3-sided CE Light Curtain is standard
- NO overhead obstruction for crane loading

Shown with optional
Trunnion System for
4th-axis milling on VMC
with 1 rotary indexer



CE Light Curtain Guarding Option

With 3-sided guarding via a light
emitter, mirrors and sensors, a pallet
change will not occur if the invisible
light beams surrounding the shuttle
system are breached.



AutoDoor Openers

Available for Single
and Double doors on
Milling and Turning
Centers.



Series A16SD

AS2716SD fits:
VC-EZ 16X



* also see Automatic 4-Pallet
Changer model A2816SDR4

Series A30SD

A3016SD fits:
VC-EZ 16



* also see Automatic 4-Pallet
Changer model A3016SDR4

Series A40SD

A4020SD fits:
VC-EZ 20 (shown)
VCN-570C
VCN-575C



* also see Automatic 4-Pallet
Changer model A4020SDR4

Series AS50SD

AS5025SD fits:
VC-EZ 26



* also see Automatic 4-Pallet
Changer model AS5025SDR4

Series A60SD

A6432SD fits:
VC-EZ 32



Series A80SD

A8030SD fits:
VCN 700E/40 II
VCN 700E/50 II



Manual Pallet Changers* are available in pallet sizes from 16" x 14"
to 60" x 30" or contact us for custom application.



Flip-Down Transfer Bridge may be required depending on location of the VMC control panel



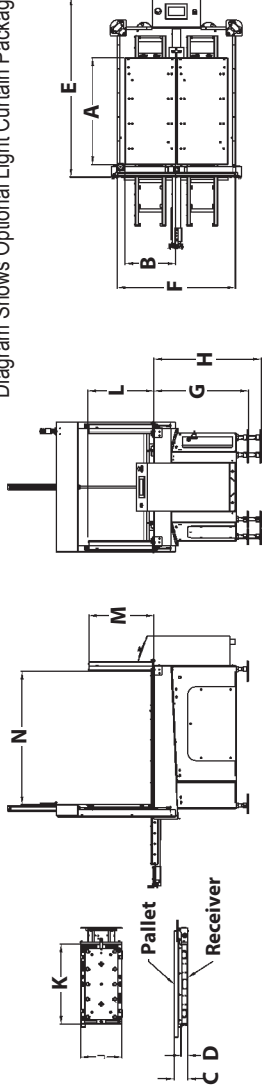
AUTOMATIC PALLET SYSTEM SPECIFICATIONS

MIDACO pallet systems are designed for machines with stationary guarding. Some machines require options or customization. Contact your sales representative to confirm model and specifications for all applications.

Automatic	A2215SD	A2216SD	A2416SD & AS2716SD	A3016SD	A3018SD & A3020SD	A4020SD	A4025SD	AS4525SD	AS5020SD	AS5025SD	A5025SD	A6025SD, A6030SD, A6432SD	A6040SD & A6440SD
Specifications	lbs. / in	kg / mm	lbs. / in	kg / mm	lbs. / in	kg / mm	lbs. / in	kg / mm	lbs. / in	kg / mm	lbs. / in	kg / mm	lbs. / in
Clamping Force*	4500	2041.2	4500	2041.2	5200	2358.7	5200	2358.7	7500	3401.9	7500	3401.9	15400
Receiver Weight	95	43.1	95-107	43.1-48.5	223	101.2	239	108.4	240	108.9	243	110.2	594
Pallet Thickness	1	25.4	1-1.25	25.4-31.8	1.5	38.1	1.5	38.1	2	50.8	2	50.8	2
Pallet Load Cap**	250-500	113.4-226.8	250-500	113.4-226.8	1000	453.6	1000	453.6	2000	907.2	2000	907.2	4000
A (Pallet X Dim)	22	568.8	24-28	609.6-711.2	30	762.0	40	1016.0	50	1270.0	50	1270.0	60-64
B (Pallet Y Dim)	14-15	355.6-381	14-15	355.6-381	15.5	393.7	17-19	431.8-482.6	19	482.6	24	609.6	24-31
C	4.13	104.9	4.13-4.4	104.9-111.3	5.17	131.3	5.17	131.3	5.67	144.0	5.67	144.0	6.91
D	2.5	63.5	2.5	63.5	2.56	65.0	2.56	65.0	2.56	65.0	2.56	65.0	3.8
E	47.1	1196.3	53	1346.2	57.4	1458.0	68	1727.2	77.4	1966.0	77.4	1966.0	91.3
F	35.2	894.1	35.2	894.1	36.2	919.5	44.2	1122.7	54.2	1376.7	54.2	1376.7	69
G (Min Height)	34.8	883.9	34.8	883.9	38	965.2	38	965.2	38	965.2	38	965.2	38
H (Max Height)	44.8	1137.9	44.8	1137.9	49	1244.6	49	1244.6	49	1244.6	49	1244.6	52
J (Receiver)	13	330.2	13	330.2	15.5	393.7	15.5	393.7	15.5	393.7	15.5	393.7	19.5
K (Receiver)	18	457.2	18	457.2	30	762.0	30	762.0	30	762.0	30	762.0	50
L (Door Opening)	16	406.4	16	406.4	20	508.0	20	508.0	20	508.0	20	508.0	28
M (LC Height)	24	609.6	24	609.6	24	609.6	24	609.6	24	609.6	24	609.6	24
N (LC Opening)	30	762.0	36	914.4	39.9	1013.5	49.9	1267.5	59.9	1521.5	59.9	1521.5	73.7

Automatic	A8030SD & A8432SD	A8035SD & A8440SD	A12030SD & A12040SD	A15032SD
Specifications	lbs. / in	kg / mm	lbs. / in	kg / mm
Clamping Force*	20500	9298.6	20500	9298.6
Receiver Weight	1298	588.8	1298	588.8
Pallet Thickness	2.5	63.5	2.5	63.5
Pallet Load Cap**	8000	3628.7	8000	3628.7
A (Pallet X Dim)	80-84	2032-2133.6	120	3048.0
B (Pallet Y Dim)	29-31	736.6-787.4	34-39	876.3-990.6
C	8.12	206.2	8.1	205.7
D	4.24	107.7	4.25	108.0
E	120.5	3060.7	120.5	3060.7
F	73.2	1859.3	73.2	1854.2337
G (Min Height)	45	1143.0	45	1143.0
H (Max Height)	57-65	1448-1651	57-65	1448-1651
J (Receiver)	25.5	647.7	25.5	647.7
K (Receiver)	75	1905.0	75	1905.0
L (Door Opening)	32	812.8	32	812.8
M (LC Height)	36.3	922.0	36.3	922.0
N (LC Opening)	99.2	2519.7	97.7	2481.6

Diagram Shows Optional Light Curtain Package



NOTE: Pallet load capacity is based on the weight of the parts evenly distributed on pallet.

*At 100PSI (6.9 bar) **At 120PSI (8.2 bar) with weight evenly distributed on pallets
† Optional 2000 lb (907kg) Pallet Load Capacity with weight evenly distributed on pallets.
Patented. Specifications subject to change without notice.



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