



WELDING &
POSITIONING

MD SERIES

TILT/TURN / ROTATE WELDING POSITIONER



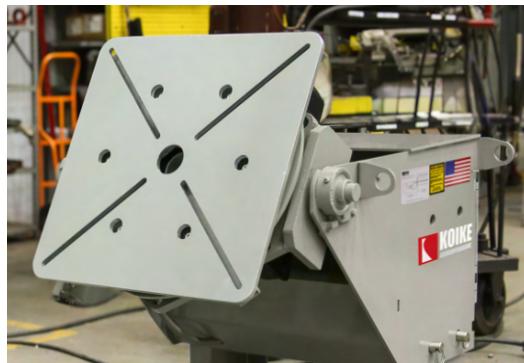
SIMPLY BETTER BUILT.

KOIKE
ARONSON RANSOME



Mid-Range Footprint. Large-Scale Performance.

Built with the same quality and workmanship as our larger HD line, the MD Series positioners deliver an ideal balance of performance and affordability, supporting a wide range of load capacities within a mid-range footprint. Fully engineered and manufactured in the U.S.A., the MD Series utilizes readily available components and incorporates intuitive features that enhance workflow efficiency such as thru-holes for purge access, a 550 amp sliding ground shoe, and a manual height-adjusting base.



Versatile Powered Tilt

Features powered tilt capabilities up to 135° through the use of variable frequency drive controlled AC brake motors with built-in over-travel protection.

Robust Internal Geared Slew Rings

Internal geared slew ring ensures smooth motion throughout the entire rotation axis, significantly enhancing performance with consistent and controlled rotation.

NEMA-12 Electrical Enclosure

Fitted with a dust-tight NEMA-12 electrical enclosure to safeguard electronics from harsh factory environments.

SIMPLY BETTER BUILT.

ADDITIONAL STANDARD EQUIPMENT:

▪ Manual Pin-Through Post System

Pin-through post adjustment enables easy and precise regulation of the workpiece height for various tasks.



Pin-Through Post System

▪ Low Voltage Hand Control Pendant

Dust-tight, low voltage hand control pendant delivers precise tilt, rotation, and variable speed drive operation. Remote comes standard with a built in E-STOP and 20' power cable.



Low Voltage Hand Pendant

▪ Purpose-Built Table Design

Solid square work table includes radial T-slots and a 2" thru-hole for purge routing; includes a 2-3/4" pilot for precise part location.

OPTIONAL EQUIPMENT:

▪ Variable Diameter Tachometer HMI

Touchscreen HMI pendant communicates with VFD drives to display real-time RPM and linear rotational surface speed, with the ability to input exact speed targets. Improves accuracy, and operator convenience during setup and welding.



Variable Diameter Tachometer HMI

▪ Radio-Controlled Pendant

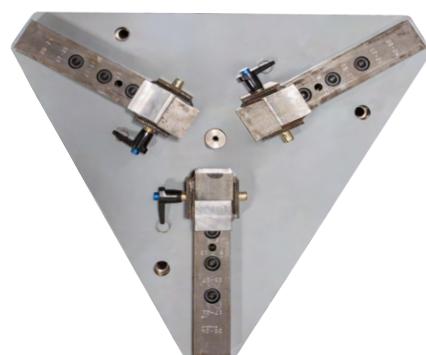
Wireless radio pendant provides real-time diagnostics and full tilt/rotation control without tethered cables, offering a greater range of operator movement and reduced trip hazards.



Radio-Controlled Pendant

▪ Welding Chucks & Grippers

Durable welding chucks and grippers designed to streamline setups, improve secure weld alignment, and handle a wide range of part diameters.



Welding Chuck With Grippers



FWD/REV Foot Switch



Foot Speed Control (FSC) Switch

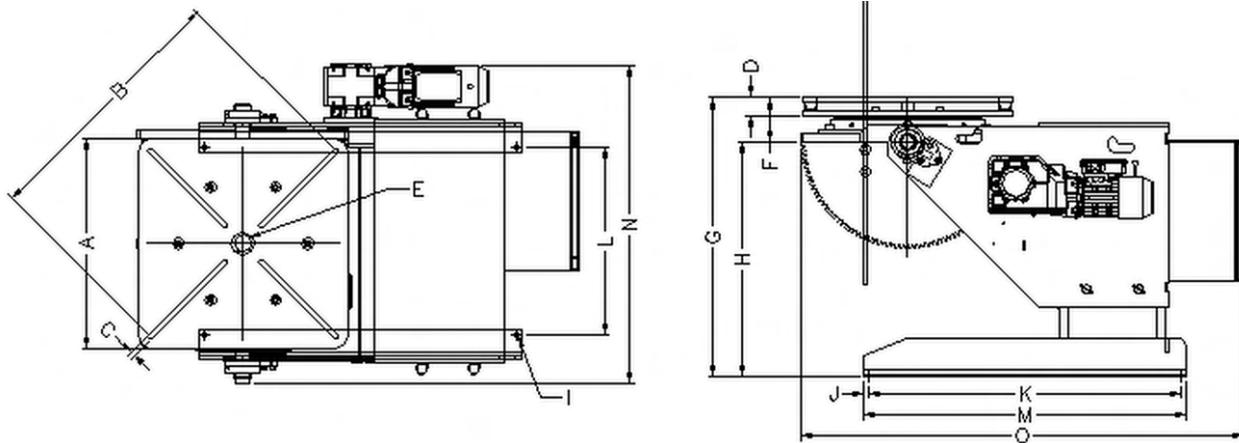


Wireless Foot Switch

SIMPLY BETTER BUILT.

MODEL	MD15	MD30	MD50
Tilt: Load Torque lb-in (N.m)	13,500 (1,525)	34,500 (3,897)	67,500 (7,626)
Rating lb (kg) @ 4 in (101mm) CG Height	1,500 (680)	3,000 (1,361)	5,000 (2,268)
Rating lb (kg) @ 6 in (152mm) CG Height	1,230 (558)	3,000 (1,361)	5,000 (2,268)
Rating lb (kg) @ 12 in (304mm) CG Height	795 (360)	1,970 (894)	3,860 (1,750)
Rating lb (kg) @ 18 in (457mm) CG Height	590 (267)	1,470 (667)	2,870 (1,302)
Rating lb (kg) @ 24 in (609mm) CG Height	465 (211)	1,170 (531)	2,290 (1,039)
Rating lb (kg) @ 30 in (762mm) CG Height	385 (175)	970 (440)	1,900 (862)
Rating lb (kg) @ 36 in (914mm) CG Height	330 (149)	830 (377)	1,630 (739)
Rotation: Load Torque lb-in (N.m)	6,000 (677)	15,750 (1,780)	40,000 (4,519)
Rating lb (kg) @ 4 in (101.6mm) Eccentric	1,500 (680)	3,000 (1,361)	5,000 (2,268)
Rating lb (kg) @ 6 in (152mm) Eccentric	1,000 (454)	2,625 (1,193)	5,000 (2,268)
Rating lb (kg) @ 8 in (203mm) Eccentric	750 (340)	1,968 (893)	5,000 (2,268)
Tilt Speed: Time Frame to Reach 135°	22 Sec.	50 Sec.	40 Sec.
Tilt Motor Horse Power	1/4 HP	0.5 HP	1 HP
Rotation: Speed Range AC Drive	.23 - 2.3 RPM	.20 - 2.0 RPM	0.20 - 2.0 RPM
Rotation Motor Horse Power	1/4 HP	1 HP	1.5 HP
Pendant Cable Length	20 ft	20 ft	20 ft
A: Table Size (mm)	24 in x 24 in. (609 x 609)	30 in. x 30 in. (762 x 762)	36 in x 36 in. (914 x 914)
B: Maximum Clamping Diameter (mm)	30 in. (762)	38 in. (965)	47 in. (1,194)
C: Number of Slots and Width (mm)	(4) 9/16 in. (14)	(4) 9/16 in. (14)	4) 13/16 in. (21)
Number of Table Nuts and Thread	(4) 1/2 - 13	(4) 1/2 - 13	(4) 3/4 - 10
D: Table Thickness (mm)	1-1/2 in. (38)	1-3/4 in. (44)	1-3/4 in. (44)
E: Pilot Hole and Depth (mm)	2-3/4 in. x 1/2 in. (70 x 13)	2-3/4 in x 1/2 in. (70 x 13)	2-3/4 in. x 1/2 in. (70 x 13)
F: Inherent Overhang (mm)	5 in. (127)	5-1/2 in. (140)	5-1/2 in. (140)
Slew Ring Diameter (mm)	13-1/4 in. (337)	13-1/4 in. (337)	18 in. (457)
Through-hole Diameter (mm)	2 in. (51)	1-3/8 in. (35)	2 in. (51)
Weld Current Conduction - Single Ground Shoe	550 Amps	550 Amps	550 Amps
G: Table Flat, Minimum Height (mm)	32 in. (813)	32-1/2 in. (826)	32-1/2 in. (826)
Lift Stroke in 4in. Increments (mm)	12 in. (305)	12 in. (305)	12 in. (305)
Table Flat, Maximum Height (mm)	44 in. (1118)	44-1/2 in. (1130)	44-1/2 in. (1130)
H: Rotation Axis, Minimum Height (mm)	27 in. (686)	27 in. (686)	27 in. (686)
Rotation Axis, Maximum Height (mm)	39 in. (991)	39 in. (991)	39 in. (991)
I: Tie Down Hole Size (mm)	(4) 9/16 in. (14)	(4) 13/16 in. (21)	(4) 13/16 in. (21)
J: Front Mounting hole location (mm)	3/4 in. (19)	3/4 in. (19)	1 in. (25)
K: Rear mounting hole location (mm)	34-1/2 in. (876)	39-1/2 in. (1003)	45-3/4 in. (1,162)
L: Mounting hole width (mm)	21-3/4 in. (552)	23-3/4 in. (603)	28-3/4 in. (730)
M: Overall base length (mm)	36 in. (940)	41 in. (1041)	47 3/4 in. (1,213)
N: Overall machine width (mm)	36-1/2 in. (927)	43 in. (1092)	52 in. (1,321)
O: Overall machine length (mm)	50-1/2 in. (1283)	58-1/4 in. (1480)	68 in. (1,727)
Approximate weight lbs. (kg)	865 lb. (392)	1440 lb. (653)	3170 lb. (1438)
Standard Primary Voltage	115/1/60	115/1/60	460/3/60
Shipping Weight (kg)	1,000 lb (454)	1,700 lb (771)	5,000 lb (1,360)

*Specifications are subject to change without notice. All dimensions are for reference only.



SIMPLY BETTER BUILT - FOR OVER 100 YEARS.

OUR STRICTLY CONTROLLED MANUFACTURING AND PRODUCTION PROCESSES ENSURE WE HAVE THE HIGHEST-QUALITY MACHINES WITH THE MOST RELIABLE PERFORMANCE. WE COLLABORATE WITH OUR CUSTOMERS TO PRODUCE THE RIGHT MACHINE FOR THEIR NEEDS WITHIN A RANGE OF BUDGETS.



WELDING &
POSITIONING



CUTTING



PORTABLES &
GAS APPARATUS



635 West Main Street
Arcade, NY, 14009-0307



U.S. & Canada: (585) 492-2400
Toll Free: (800) 252-5332



MADE IN USA

LOCAL PARTS & SERVICE



www.koike.com