



**WELDING**  
POSITIONING EQUIPMENT



**JMT offers quality machine tools  
for all your sheet metal fabrication needs.**



JMTUSA.com

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Toll Free: 855-773-7727 (855-PRESS-BRAKE)

*JMT* sells and services quality metal fabrication machine tools for a wide range of sheet metal and structural steel working applications that include bending, rolling, cutting, drilling, positioning, punching, shearing and welding.

*JMT*, a division of Jorgenson Industrial Companies, is a family owned business established in 1967. Roger Jorgenson made it his mission to build this company on the foundation of strong customer service. His children now continue this tradition since assuming leadership of the company in 2008 and establishing the *JMT* brand.

*JMT* is supported by an ever expanding team of industry professionals, which include experienced application engineers, sales consultants and veteran service engineers. *JMT* also has a resourceful parts and tooling department to keep your machines working at optimal performance.

The company has a 30,000 square foot showroom, warehouse and service center at its headquarters in Salt Lake City, Utah. *JMT* also has a 20,000 square foot warehouse and service center in Atlanta, Georgia.

A national network of over 30 select distributors trained to sell and service *JMT* machines are strategically located to provide the fastest response times to our customers.

*JMT* machines are built to our stringent set of design and quality standards in state-of-the-art manufacturing facilities. *JMT* partners with manufacturers that have extensive experience building machine tools for some of the leading suppliers in the industry.

*JMT* product designs combine accuracy, speed, flexibility, durability, reliability and advanced technology to deliver machines with the highest performance-to-price ratio in the industry.

For more information please visit [www.JMTUSA.com](http://www.JMTUSA.com)  
or call toll free **855-773-7727** (855-PRESS-BRAKE).  
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SOME OF THE FABRICATION EQUIPMENT OFFERED BY *JMT*



The machinery showroom at *JMT's* corporate headquarters.

# JMT Welding Positioning Equipment

JMT helps welders do their work faster and safer through our wide range of welding positioning equipment.

**Welding Positioners** allow work pieces to be revolved and pivoted, keeping the welding torch in one position as the work piece moves. Elevating Welding Positioners are also available.

**Welding Manipulators** move torches horizontally and vertically to where they are needed on the work piece.

**Welding Rotators** (commonly referred to as **Tank Turning Rolls**) provide the ability to rotate a cylindrical piece for welding, which is essential in the production of tanks and pressure vessels.

Safer than using a crane to move an I-beam into position, **Beam Rotators** allow long, non-cylindrical work pieces to be rotated easily for welding, even by a single operator.

## JMT Welding Positioners

Turntable **Welding Positioners** allow work pieces to be revolved 360° and pivoted 90°, keeping the welding torch in one position as the work piece moves. This eliminates operator fatigue, increases productivity and generally produces higher quality welds.

Manual and NC-controlled **Elevating Welding Positioners** are also available that can adjust the height of the table along with rotation and pitch for even more precise positioning.



## JMT Welding Manipulators

- Fixed Type
- Fixed with Rotation
- Traveling with Rotation

Crossbeam **Welding Manipulators** move torches to where they are needed on the work piece. The arm where the torch is mounted can raise, lower and move horizontally along the central shaft and the shaft itself can rotate to move the arm to any angle. The entire assembly can also move along tracks, allowing a manipulator to assist in welding large objects such as tanks.



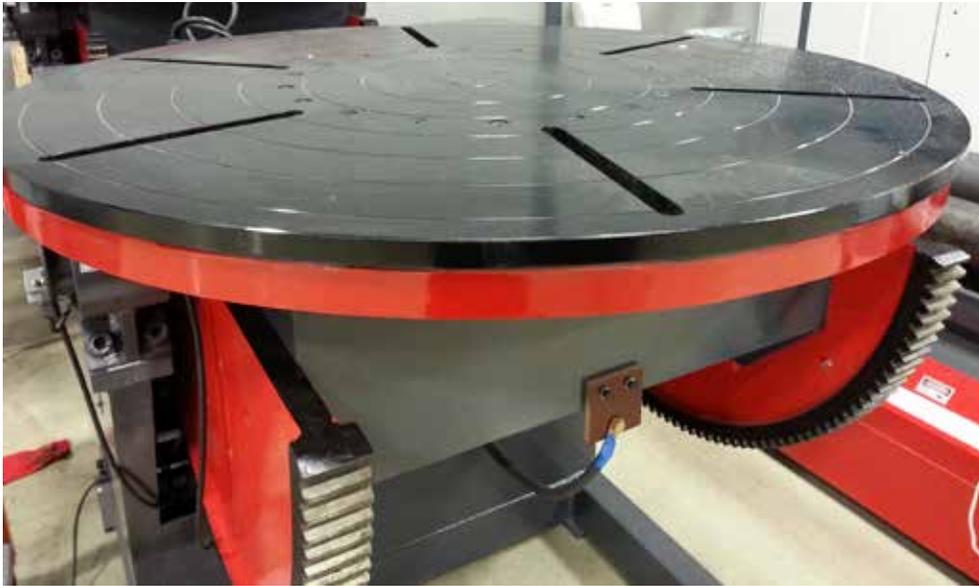
## JMT Welding Rotators (Tank Turning Rolls)

- Adjustable Tank Turning Rolls
- Self-Adjusting Tank Turning Rolls
- Specialized Rotators

In addition to standard adjustable turning rolls, JMT offers self-aligning tank turning rolls that can adjust the wheels' angle automatically to fit the diameter of the work piece and feature full-gear wheel drive.



# JMT WELDING POSITIONERS



Turntable welding positioners allow work pieces to be revolved 360° and pivoted 90°, keeping the welding torch in one position as the work piece moves. This eliminates operator fatigue, increases productivity and generally produces higher quality welds.

Our standard line of welding positioners have rated loading capacities from 110 lbs. (model JMT-HB05) to over 44,000 lbs. (model JMT-HB200), and even larger custom sizes are available for order.

Manual and NC-controlled elevating welding positioners are also available that can adjust the height of the table along with rotation and pitch for even more precise positioning.

Model	Load Rating	Working Table Size	Rotating Torque	Tilting Torque
JMT-HB05	110 LBS	11.81"	442	1,062
JMT-HB1	220 LBS	15.74"	885	2,035
JMT-HB3	660 LBS	23.62"	2,655	6,461
JMT-HB6	1320 LBS	39.37"	5,310	17,701
JMT-HB12	2645 LBS	47.24"	10,620	38,943
JMT-HB30	6613 LBS	55.11"	53,104	132,760
JMT-HB50	11,023 LBS	50.05"	88,507	221,268
JMT-HB100	22046 LBS	70.86"	177,014	584,148
JMT-HB150	33,000 LBS	78.74"	327,477	442,537
JMT-HB200	44,092 LBS	86.61"	1,008,985	1,504,626



Elevating Welding Positioners

Available in capacities from 2204 lbs. to 44092 lbs.



Hydraulic Elevating Welding Positioners

Available in capacities from 660 lbs. to 6613 lbs.

# JMT WELDING MANIPULATORS



Extend your lift and reach with a *JMT* welding manipulator. *JMT* offers a line of column-boom manipulators in three styles:

- Fixed
- Fixed with Rotation
- Travel with Rotation

Our boom is designed to weld hard to reach joints, like the inside and outside seams of small tanks, or the longitudinal and transverse seams of big tanks.

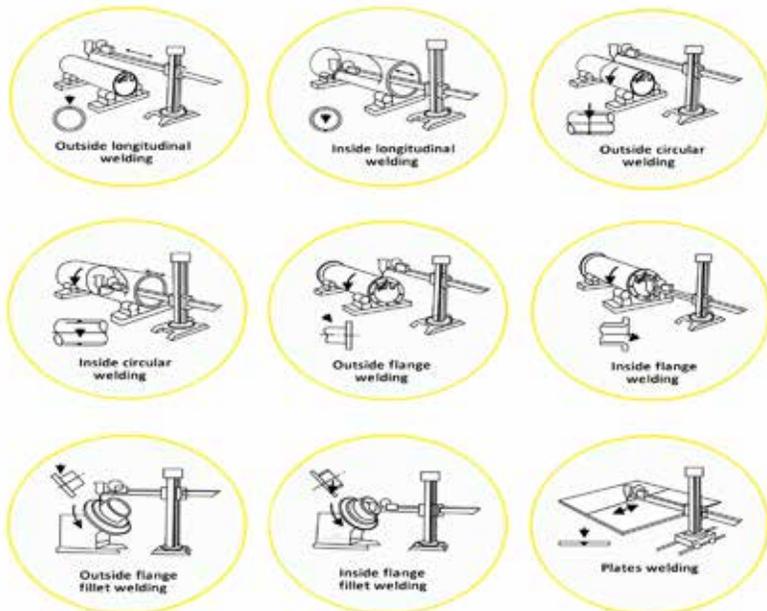
The operator controls the welding process through an automatic control unit located on column. Optional functionality, such as a TV monitor, automatic arc tracking, flux auto-feed or recovery systems, can be added.



MODEL	JMT-DLH 1015	JMT-DLH 2030	JMT-DLH 3040	JMT-DLH 4050	JMT-DLH 5060	JMT-DLH 6070
Overall Machine Height	7'3"	12'6"	17'1"	20'4"	24'7"	27'11"
Vertical Elevation Stroke	3'3"	6'7"	9'10"	13'1"	16' 5"	19' 8"
Horizontal Machine Width	10'6"	16'5"	20'4"	23'7"	27'3"	30'6"
Boom Retracting Stroke	4'11"	9'10"	13'1"	16'5"	19'8"	23'
Machine Weight	3080 Lbs.	3520 Lbs.	8800 Lbs.	9416 Lbs.	9900 Lbs.	10340 Lbs.
Frame Rotation Angle	±180°	±180°	±180°	±180°	±180°	±180°
Frame Rotation Speed	Manual	Manual	.3 rpm	.3 rpm	.3 rpm	.3 rpm
Boom Elevation Speed	39 in/min					
Boom Feeding Speed	5 ~ 47 in/min					
Trolley Feeding Speed	Manual	Manual	98 in/min	98 in/min	6 ½ ft/min	6 ½ ft/min
Trolley Rail Span	3'3"	3'3"	5'10"	5'10"	6.5'	6.5'

## Optional Equipment Available

### WELDING CENTER



# JMT WELDING ROTATORS (TANK TURNING ROLLS)

Tank turning rolls are sets of specially-mounted steel and/or rubber wheels that rotate a cylindrical work piece during a welding process, such as the welding of the seams on a metal storage tank. *JMT* offers the DGZ series of self-adjusting tank turning rolls, with capacities ranging from 9" to 216" diameter work pieces. A line of conventional adjustable tank turning rolls, the TRC series, are also available.



## Tank Turning Roll Spotlight

The *JMT-DZG 40* tank roll (shown above) is a popular model that can handle a work piece of any size from 23.6" to 165.4" in diameter and a weight capacity up to 88,000 lbs. (44 tons).

The *JMT-DZG 40* features a pendant control, dual foot pedals, variable speed adjustment, and is self-adjusting to the work piece, meaning that each pair of wheels pivots to adjust to the diameter of the cylinder placed on it. This model has a 4 HP motor that drives three independent gear reducers to produce maximum torque to all four drive wheels (the front wheels are powered while the rear are none-powered idler wheels).

The *JMT* series of conventional adjustable tank turning rolls are available in capacities ranging from 2.2 tons to 716 tons.



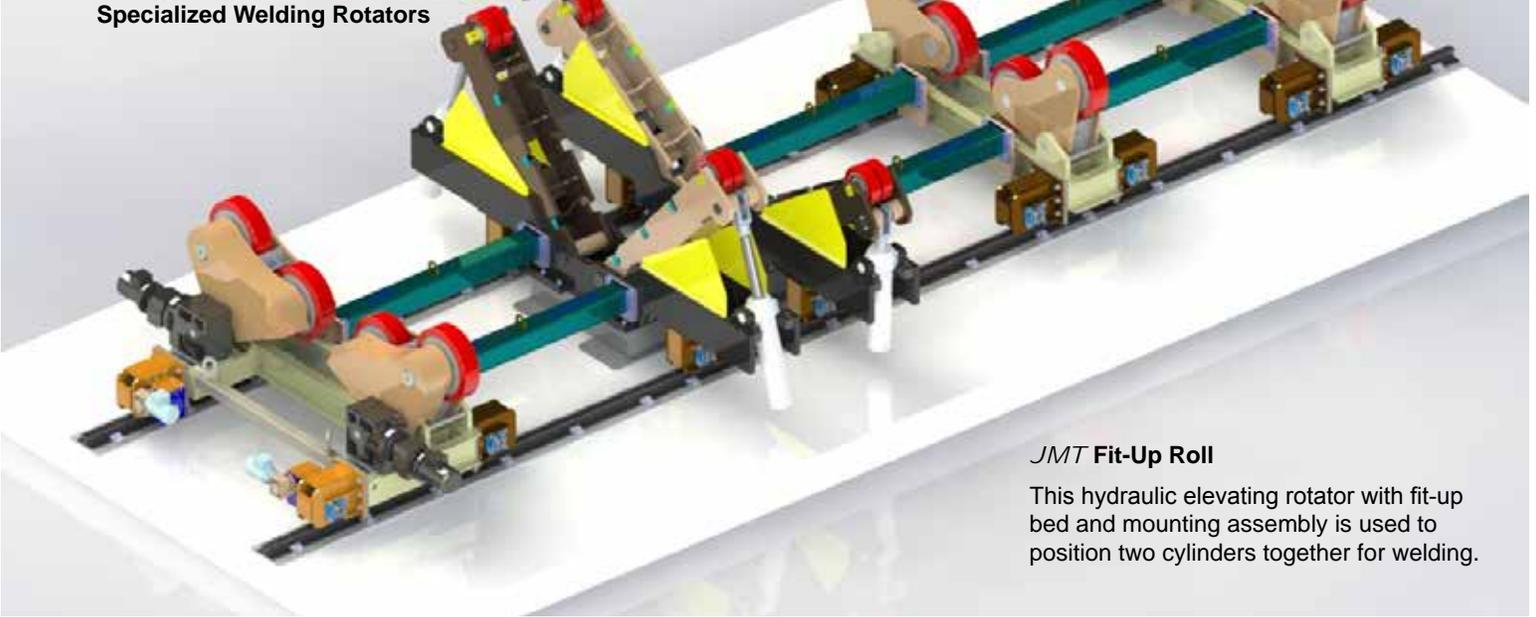
MODEL	JMT-DZG 5	JMT-DZG 10	JMT-DZG 20	JMT-DZG 40	JMT-DZG 60	JMT-DZG 80	JMT-DZG 110
Load Rating	11,000 LBS. (5.5 Ton)	22,000 LBS. (11 Ton)	44,000 LBS. (22 Ton)	88,000 LBS. (44 Ton)	132,000 Lbs. (66 Ton)	176,000 LBS. (88 Ton)	220,000 LBS. (110 Ton)
Diameter Range	9.8" – 90.5"	12.6" – 110.2"	19.7" – 137.8"	23.6" – 165.3"	29.5" – 189.12"	33.5" – 196.9"	39.4" – 216.5"
Linear Speed	4" to 40" Per Min.	39.4" to 394" Per Min.	39.4" to 394" Per Min.	39.4" to 394" Per Min.	39.4" to 394" Per Min.	39.4" to 394" Per Min.	39.4" to 394" Per min
Rubber Wheel Diameter	10"	12"	14"	16"	18"	20"	20"
Rubber Wheel Thickness	4"	4.25"	4.25"	4.25"	4.25"	4.25"	4.25"
Metallic Wheel Diameter	9.5"	11.5"	13.5"	15.5"	17.5"	19.25"	19.25"
Metallic Wheel Thickness	.8"	1"	1.25"	1.6"	2"	2.4"	2.75"
Rotating Power	1 HP	1.5 HP	2 HP	4 HP	5.5 HP	5.5 HP	7.5 HP
Method of Adjusting Rotating Speed	VFD	VFD	VFD	VFD	VFD	VFD	VFD
Drive Length	73"	81.9"	94.5"	106"	120"	128"	135.4"
Drive Width	26.4"	29.5"	35.5"	37.8"	46.5"	48.8"	61.4"
Drive Height	29.5"	31.5"	33.5"	39.4"	45.3"	48"	51"
Drive Weight (Approx.)	968 Lbs.	1474 Lbs.	2178 Lbs.	3278 Lbs.	4576 Lbs.	5874 Lbs.	8756 Lbs.
Idler Length	63"	65"	75"	88.5"	98"	105.5"	119.7"
Idler Width	16.5"	18.5"	19.7"	22.5"	22.9"	24"	26"
Idler Height	29.5"	31.5"	33.5"	39.4"	45.3"	48"	51"
Idler Weight (Approx.)	616 Lbs.	946 Lbs.	1364 Lbs.	2090 Lbs.	2882 Lbs.	3696 Lbs.	5896 Lbs.

Larger models are also available: 330,000 lbs., 550,000 lbs., 1,100,000 lbs. capacities. Please call for additional information.

# JMT WELDING ROTATORS (TANK TURNING ROLLS)



Specialized Welding Rotators



*JMT Fit-Up Roll*

This hydraulic elevating rotator with fit-up bed and mounting assembly is used to position two cylinders together for welding.

# JMT BEAM ROTATORS



Chain driven beam rotators can rotate a beam or other long work piece to position it for welding.

The two driven units can be spaced closer or further away from each other depending on the length of the work piece. Additional units can also be added.

Each unit's chain is run in an endless loop, providing continual rotation in either direction as needed.

The height of the work piece can also be adjusted, and both units can be operated in sync or independently.

Standard features include a remote control (wireless remote optional), automatic closing chain levers upon the loading of the work piece, sturdy chain gear structure, reducer mechanisms with auto-blockage system, motors with brake and forced fan cooling.

*JMT* offers beam rotators in capacities from 6.5 tons to 13 tons, but custom machines up to 22 U.S. tons can also be produced. Please call for more details.



# **JMT** HELPS YOU DO MORE WITH METAL

CUT IT



BEND IT



ROLL IT



FABRICATE IT



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