



Division of Axiom Machinery Inc.

IRONWORKER

One Machine. Dual Operator. Endless Capability.
The Fabricator's Workhorse.

MIW-T Series



Titan Class



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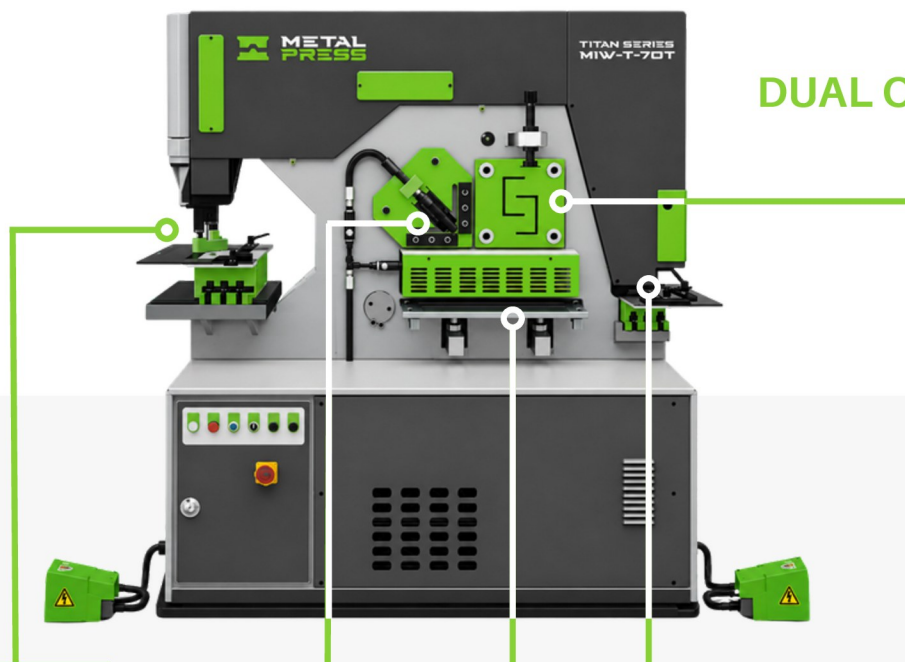
A NEW STANDARD FOR

PUNCHING, SHEARING, CUTTING & NOTCHING

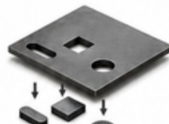
ONE MACHINE. COUNTLESS POSSIBILITIES.

The NIW-T Series Ironworker supports a wide range of optional tooling for punching, shearing, notching, bending, and custom fabrication applications, delivering exceptional versatility and productivity from a single compact machine.

DUAL OPERATOR



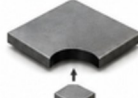
*Pipe Notching



*Punching



*Angle Bending



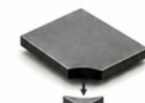
*Radius Corners



*Punching



*Pipe Punching



*Rounding off Corners



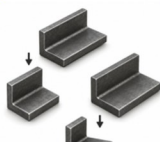
*Cutting and Rounding off



*Press Brake



*Bilateral Rounding off



Angle Shear



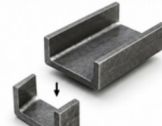
Flat Bar Shear



Angle Miter Shear



Round Bar Shear



*Channel Shear



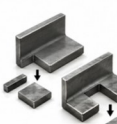
Square Bar Shear



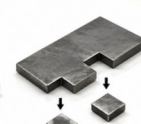
*I Beam Shear



*V Notching



Notching



Notching

* Punches and dies are sold separately.

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METAL PRESS

PUNCHING STATION

- A wide range of punches and dies is available for diverse punching applications.
- Quick-change punch nut for fast tooling changes.
- High-visibility stripper improves safety and ease of use.

- Large two-piece table with integrated scales and stops.
- Interchangeable stripper plates reduce material deformation.
- An optional hydraulic stripper is available for demanding applications.



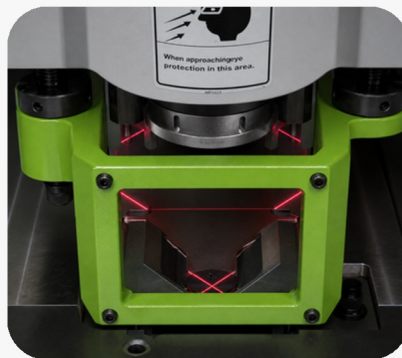
Standard dual-opening die block for up to 2" (50mm) round punch and die.



* Punches and dies are sold separately



Overhand die holder for punching channel flanges and angles



* Laser alignment system for more accurate positioning

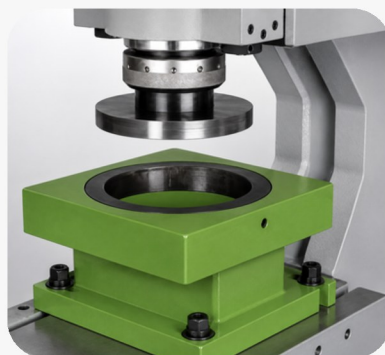


* Goose-neck die holder for punching channel flanges and webs

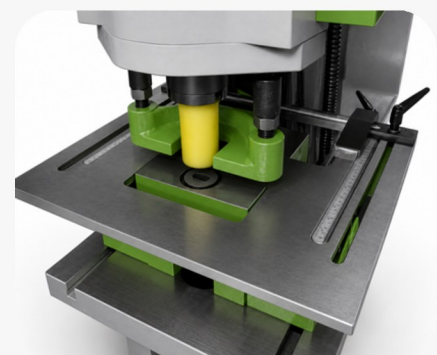


* Pipe notcher

* Signifies optional equipment



* Oversize punch attachment (safety cover removed)

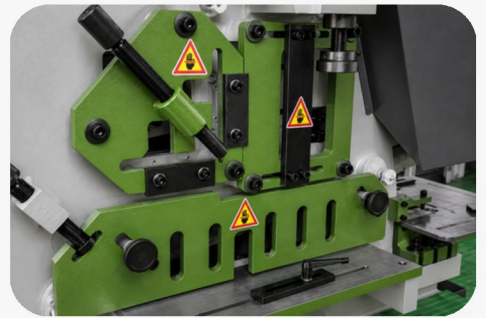
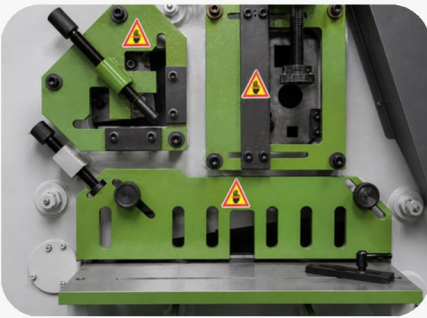


* Urethane spring stripper for minimal deformation (safety cover removed)



FLAT BAR SHEARING STATION

- Precision-machined upper blade delivers clean, accurate cuts.
- Reversible lower blade features four usable cutting edges.
- Adjustable angle miter cutting for added versatility.
- Easy-adjust hold-down secures material during cutting.
- Integrated support table and guides ensure accurate positioning.



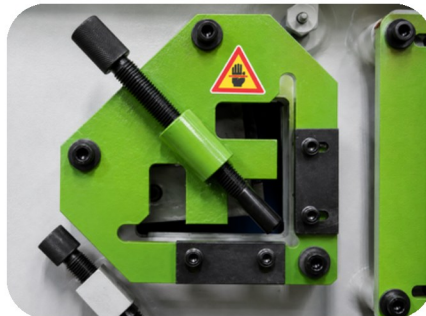
*Hydraulic hold-down automatically secures material for safer, more accurate plate cutting.

BAR SHEARING STATION

- Single adjustable hold-down accommodates a wide range of round and square bar sizes.
- Optional channel and structural section shearing tooling available on most models. See specifications for details.



Round and square steel shear



*Angle shear



*Channel blades

* Signifies optional equipment

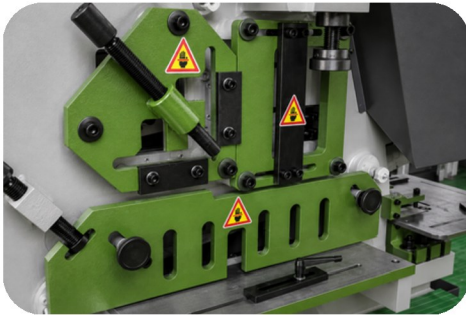
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WIDE RANGE OF PUNCHES, DIES AND TOOLS

ANGLE SHEARING STATION

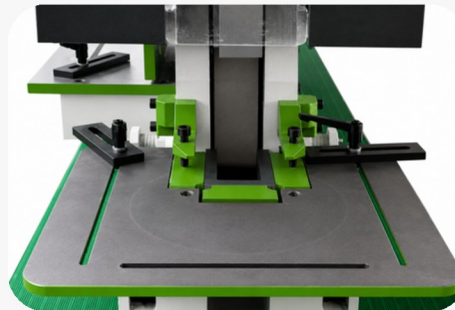
- Clean, single-cut shearing with virtually no material loss.
- Fast and accurate 45° miter cutting.
- Stationary blades feature four usable cutting edges for extended life.
- Selectable corner radii provide optimal results on both small and large angle sections.



*Hydraulic hold-down for angle shear

NOTCHING STATION

- Ideal for notching flat bar, angle, and structural sections.
- An electrically interlocked safety guard enhances operator safety and visibility.
- Integrated gauging table with adjustable stops ensures accurate positioning and repeatable results.



*V notcher

OTHER FEATURES

- Three adjustable limit switches enable short-stroke operation for faster cycle times.
- Magnetic-base LED work light improves visibility and operator safety.
- 40" (1000 mm) electric backgauge increases productivity on repetitive jobs (extension available).



* Signifies optional equipment

*Rear retaining positioning device

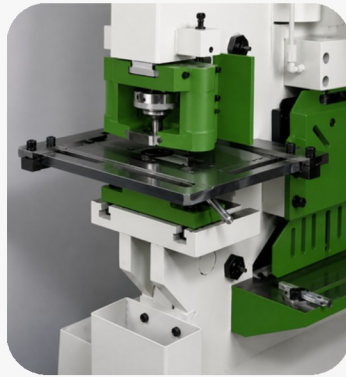
SPECIAL AND CUSTOM PUNCHES, DIES AND TOOLS

OTHER TOOLING

The MIW-T Series is a compact, high-performance ironworker featuring vertical-action stations for punching, shearing, notching, and bending. The main slide travels in a precise vertical motion to deliver exceptional accuracy and consistent results across all operations. Optional hydraulic hold-down and urethane spring stripper systems enhance performance and material control. Fast cylinder stroke speeds improve productivity, while the machine's versatile design combines efficiency, reliability, and ease of operation, making the MIW-T Series an outstanding value for fabrication shops of all sizes.



*Single V bending



*Urethane spring stripper



*Multi V bending



*Channel shear



*Special press brake



*Angle bending press



*Special punch



*Large V notcher (punch side)

CUSTOM TOOLING

Custom punches, dies, and specialty tooling can be designed and manufactured to meet unique production requirements. From simple hole patterns to complex profiles and formed shapes, our tooling solutions provide the flexibility to handle virtually any application with precision, efficiency, and repeatable accuracy.

* Signifies optional equipment



THE DANCE SIX MODELS. FROM 70 TO 275 TONS.

MIW-T SERIES - IRONWORKER

TITAN CLASS

ITEM		MIW-T-70	MIW-T-100	MIW-T-130	MIW-T-175	MIW-T-220	MIW-T-275	
Punchine Pressure (US Tons)		70	100	120	175	220	275	
Max.cutting thickness of steel plates (in)		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	
Plate strength (Tensile Strength)		≤65,000 psi	≤65,000 psi	≤65,000 psi	≤65,000 psi	≤65,000 psi	≤65,000 psi	
Angle of Shear (°)		7°	8°	8°	8°	8°	8°	
Slider stroke (in)		3.15"	3.15"	3.15"	3.15"	3.15"	3.15"	
Strokes/time (SPM)		9~25	12~28	12~28	12~28	10	10	
Throat depth (in)		11.81"	13.98"	15.75"	23.62"	23.62"	23.62"	
Main Motor Power (HP)		5 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	
Overall dimensions (L × W × H) (in)		64.6" × 28.7" × 69.7"	73.2" × 31.5" × 74.8"	92.3" × 37.8" × 82.3"	105.5" × 41.0" × 90.6"	116.9" × 48.8" × 92.5"	118.1" × 56.7" × 96.5"	
Weight (lb)		4,190	5,510	11,464	14,991	24,251	31,967	
PROFILE		SECTION	MIW-T-70	MIW-T-100	MIW-T-130	MIW-T-175	MIW-T-220	MIW-T-275
Punching holes (diameter × thickness) (in)			1" × 5/8"	1-1/4" × 3/4"	1-3/8" × 1"	1-1/2" × 1-1/8"	1-9/16" × 1-3/8"	1-9/16" × 1-1/2"
Table height (in)			37.8"	38.2"	41.9"	46.1"	47.8"	49.0"
Shear plate (in)	Plate shear (width × thickness)		9-7/8" × 5/8" 15-3/4" × 5/16"	13" × 3/4" 18-7/8" × 3/8"	13" × 1" 23-5/8" × 5/8"	13" × 1-1/8" 23-5/8" × 3/4"	15-3/4" × 1-3/8" 27-9/16" × 1"	15-3/4" × 1-1/2" 29-1/2" × 1-1/8"
	Blade length (in)		16-1/8"	19-1/8"	23-13/16"	23-13/16"	28"	29-15/16"
	Angle steel trimming (width × thickness)		1" × 4-7/8" × 1/2"	1-3/8" × 5-1/2" × 1/2"	1-5/8" × 6-1/4" × 9/16"	1-3/4" × 7-1/8" × 5/8"	2" × 7-7/8" × 11/16"	2" × 7-7/8" × 3/4"
	Table height (in)		33.9"	35.0"	35.4"	37.4"	36.8"	37.4"
Round Bar (max) (in)			1-3/4"	2"	2-3/8"	2-9/16"	2-3/4"	3-1/8"
Square Bar (max) (in)			1-9/16"	1-3/4"	2"	2-3/16"	2-3/8"	2-9/16"
Angle Steel (in)	90° Shearing (width × thickness)		4-7/8" × 4-7/8" × 1/2"	5-1/2" × 5-1/2" × 1/2"	6-1/4" × 6-1/4" × 9/16"	7-1/8" × 7-1/8" × 5/8"	7-7/8" × 7-7/8" × 11/16"	7-7/8" × 7-7/8" × 3/4"
	45° Shearing (width × thickness)		2" × 2" × 3/16"	2" × 2" × 3/16"	2-3/8" × 2-3/8" × 1/4"	2-3/8" × 2-3/8" × 1/4"	3-15/16" × 3-15/16" × 3/8"	4-3/4" × 4-3/4" × 3/8"
	Table height (in)		33.9"	35.0"	35.4"	37.4"	36.8"	37.4"
Type shear (in)	I-Bar		4-3/4" × 4-3/4" × 1/2" 2-3/8" × 2-3/8" × 5/16"	5-1/2" × 5-1/2" × 1/2" 2-3/4" × 2-3/4" × 3/8"	6-1/4" × 6-1/4" × 9/16" 3-1/8" × 3-1/8" × 3/8"	7-1/8" × 7-1/8" × 5/8" 3-1/8" × 3-1/8" × 3/8"	7-7/8" × 7-7/8" × 11/16" 3-1/8" × 3-1/8" × 3/8"	7-7/8" × 7-7/8" × 3/4" 3-1/8" × 3-1/8" × 3/8"
	T-Joist		2-3/8" × 2-3/8" × 5/16"	2-3/4" × 2-3/4" × 3/8"	3-1/8" × 3-1/8" × 3/8"	3-1/8" × 3-1/8" × 3/8"	3-1/8" × 3-1/8" × 3/8"	3-1/8" × 3-1/8" × 3/8"
	U-Channel		5" × 2-1/8" × 1/4"	6-5/16" × 2-3/8" × 1/4"	8-1/4" × 3" × 3/8"	11" × 3-3/8" × 7/16"	11-13/16" × 3-1/2" × 1/2"	12-5/8" × 3-5/8" × 1/2"
	Table height (in)		47.6"	48.0"	49.6"	57.9"	59.4"	61.0"
Die shear (in)	Notching (W × D × T)		3-15/16" × 2-1/8" × 3/8"	3-15/16" × 2-1/4" × 1/2"	3-15/16" × 2-1/4" × 9/16"	3-15/16" × 2-3/8" × 5/8"	3-15/16" × 2-3/8" × 3/4"	7-7/8" × 2-3/8" × 3/4"
	V-notching die (S × S × T)		3-3/4" × 3-3/4" × 3/8"	3-15/16" × 3-15/16" × 1/2"	4-1/8" × 4-1/8" × 1/2"	4-1/8" × 4-1/8" × 5/8"	4-1/8" × 4-1/8" × 3/4"	4-1/8" × 4-1/8" × 3/4"
	Big V-notching die (S × S × T)		5-11/16" × 5-11/16" × 3/4"	5-11/16" × 5-11/16" × 3/8"	5-11/16" × 5-11/16" × 1/2"	5-11/16" × 5-11/16" × 1/2"	5-11/16" × 5-11/16" × 19/32"	5-11/16" × 5-11/16" × 3/4"
	Table height (in)		35.8"	35.4"	33.9"	38.0"	37.4"	38.4"
V-bending (width × thickness) (in)	Single V-bending (W × T)		9-7/8" × 19/32"	9-7/8" × 23/32"	9-7/8" × 25/32"	9-7/8" × 25/32"	9-7/8" × 7/8"	9-7/8" × 15/16"
	Multi V-bending (W × T)		19-11/16" × 3/16"	19-11/16" × 3/16"	23-5/8" × 3/16"	27-9/16" × 3/16"	27-9/16" × 5/16"	27-9/16" × 5/16"

Specifications are subject to change without notice.

**READY TO BEND METAL
MORE EFFICIENTLY?**



**Improve Your Competitive
Edge.**

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Increase ROI.

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