

HYDRAULIC IRONWORKERS

USHI SERIES



More Than Machines — A Partner in Performance

U.S. Industrial USHI series ironworkers are the perfect addition to any operation seeking exceptional value, performance, versatility, and ease of use.

Model#	USHI66	USHI66XT	USHI90	USHI90XT	USHI125	USHI125XT	USHI155	USHI155XT
PUNCH STATION								
Punching Tonnage	66 tons	66 tons	90 tons	90 tons	125 tons	125 tons	155 tons	155 tons
Maximum Punching - Round (Thick x Diameter)	3/8" x 1"	3/8" x 1"	3/4" x 1-1/2"	3/4" x 1-1-2"	1" x 1-3/8"	1" x 1-3/8"	1" x 1-1/2"	1" x 1-1/2"
Throat Depth	12"	17"	14"	20"	16"	24"	24"	30"
Number of Strokes Per Minute	26	26	28	28	28	28	15	15
PLATE SHEAR STATION **Plate shear gapped for 1/4" thickness and up. Cutting gauge thickness may require shimming to reduce gap.								
Maximum Thickness (Thick x Width)	5/8" x 10"	5/8" x 10"	3/4" x 13"	3/4" x 13"	1" x 12"	1" x 12"	1-3/16" x 14"	1-3/16" x 14"
Maximum Length (Thick x Width)	3/4" x 15-3/4"	3/4" x 15-3/4"	3/8" x 19"	3/8" x 19"	5/8" x 23-1/2"	5/8" x 23-1/2"	3/4" x 23-1/2"	3/4" x 23-1/2"
Blade Length	16"	16"	19"	19"	23-1/2"	23-1/2"	23-1/2"	23-1/2"
ANGLE SHEAR STATION								
Capacity at 90 Degrees	5" x 5" x 3/8"	5" x 5" x 3/8"	5-1/2" x 5-1/2" x 1/2"	5-1/2" x 5-1/2" x 1/2"	6" x 6" x 5/8"	6" x 6" x 5/8"	7" x 7" x 5/8"	7" x 7" x 5/8"
Capacity at 45 Degrees	2" x 2" x 1/4"	2" x 2" x 1/4"	2" x 2" x 3/8"	2" x 2" x 3/8"	3" x 3" x 1/4"	3" x 3" x 1/4"	3" x 3" x 5/16"	3" x 3" x 5/16"
BAR SHEAR STATION								
Maximum Round Solid Bar	1-3/4"	1-3/4"	2"	2"	2-3/8"	2-3/8"	2-3/16"	2-3/16"
Maximum Square Solid Bar	1-9/16"	1-9/16"	2"	2"	2"	2"	2-9/16"	2-9/16"
RECTANGULAR NOTCHER STATION **Notcher Station not gapped for small gauge thickness. Must centerload heavy notches.								
Maximum thickness capacity (Width x Depth x Thick)	2" x 3-7/8" x 3/8"	2" x 3-7/8" x 3/8"	2-1/4" x 3-7/8" x 1/2"	2-1/4" x 3-7/8" x 1/2"	2-1/4" x 3-7/8" x 1/2"	2-1/4" x 3-7/8" x 1/2"	2-1/4" x 3-7/8" x 5/8"	2-1/4" x 3-7/8" x 5/8"
Width of notcher	3-3/16"	3-3/16"	3"	3"	3"	3"	3"	3"
Depth of notcher	3-13/16"	3-13/16"	4"	4"	4"	4"	4"	4"
SPECIFICATIONS **All capacity based on 65Kpsi Ultimate Tensile Strength								
Horsepower	7.5	7.5	10	10	15	15	20	20
Electrical	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase	220 or 440 Volts, 3 phase
Full load amps	25 at 220 volt / 12.5 at 440 volt	25 at 220 volt / 12.5 at 440 volt	35 at 220 volt / 17.5 at 440 volt	35 at 220 volt / 17.5 at 440 volt	45 at 220 volt / 22.5 at 440 volt	45 at 220 volt / 22.5 at 440 volt	60 at 220 volt / 30 at 440 volt	60 at 220 volt / 30 at 440 volt
AW46 Hydraulic Oil Capacity	19 Gallons	19 Gallons	25 Gallons	25 Gallons	33 Gallons	33 Gallons	64 Gallons	64 Gallons
Weight	4,300 lbs	4,300 lbs	5,900 lbs	5,900 lbs	10,750 lbs	10,750 lbs	15,000 lbs	15,000 lbs
Dimensions (LWH)	64" x 31" x 66"	64" x 31" x 66"	73" x 35" x 74"	73" x 35" x 74"	92" x 37" x 82"	92" x 37" x 82"	105" x 40" x 90"	105" x 40" x 90"

Standard and Optional Equipment



Standard Equipment Included on All Models

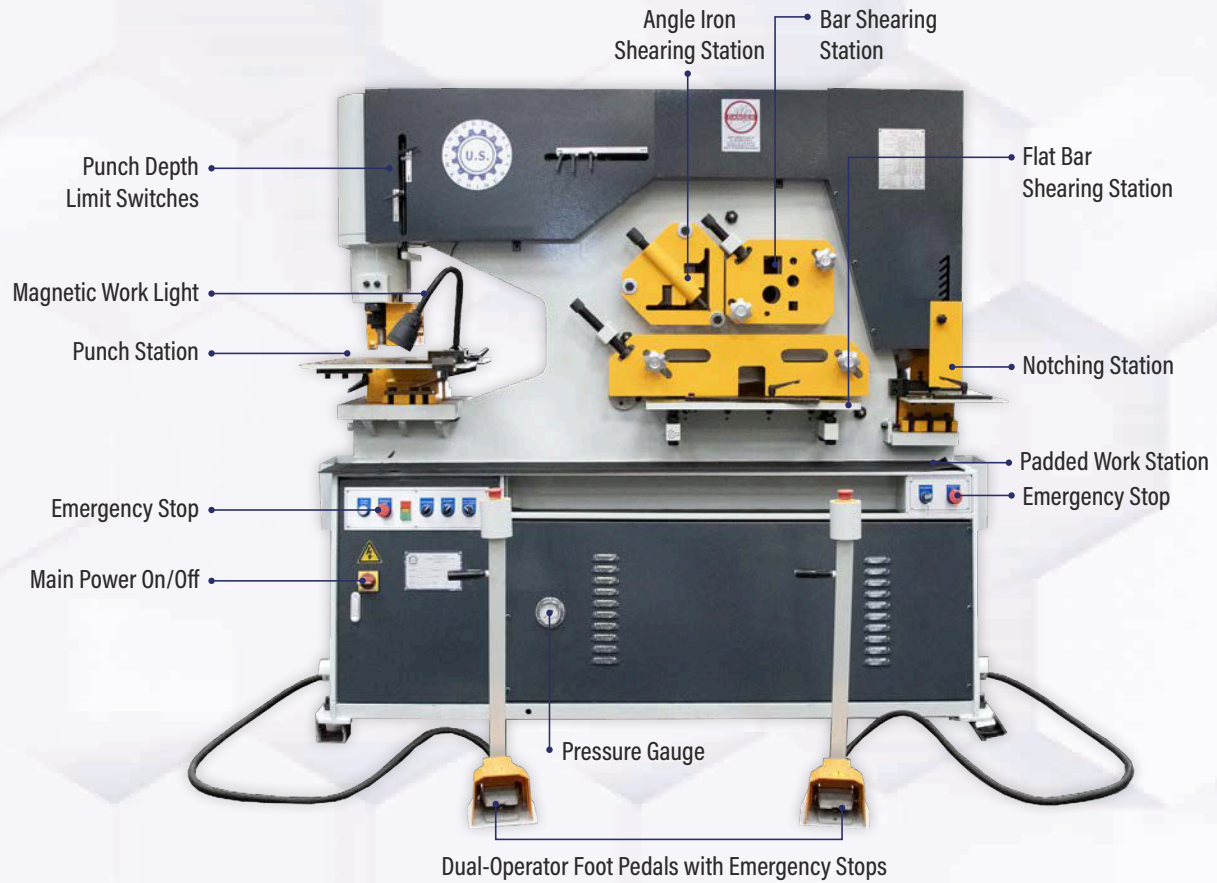
- Dual hydraulic cylinders allowing for simultaneous or independent operation
- Two foot pedals with emergency stops
- Five workstations: punching station, plate shearing station, angle shearing station, rod shearing station, and notching station
- Punch gauging table for accuracy and alignment
- Notching table gauging for accuracy and alignment
- Press brake attachment (can be equipped on the punch station side)
- Quick change coupling nut and sleeve for punch
- 3' electric automatic back gauge w/ inlaid scale
- Safety guard for punching and notching stations
- Magnetic base work light
- Set of metric punches and dies
- Dual voltage motors in either 220 volt or 440 volt (3-phase)

OPTIONAL EQUIPMENT

- Automatic hydraulic clamping for angle cutting and plate shearing
- Specialty tooling for specific jobs
- Training at customer's site by a U.S. Industrial Machinery technician



Standards That Drive Performance

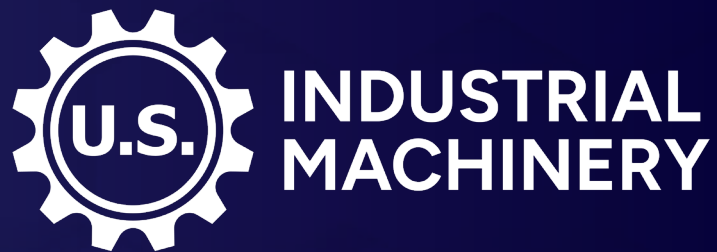


Resources

**HYDRAULIC IRONWORKERS
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MACHINE OVERVIEW VIDEO





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