

SEP-120

120 Ton Single End Punch

The SEP-120 is the most cost effective 120 ton single end punch manufactured in America. The machine features a 21.5" throat that allows the use of a wide range of tooling and accessories.



- Complete Punching Attachment with stripper
- Electric Limit Switches for stroke control
- 5 Punch and Die set
- 5 Position joy stick control (electric) with jog up & down, fast up & down, neutral
- Remote Electric Foot Switch
- Coupling Wrench
- Integral Lifting Lug for instant portability
- Extra Oil Filter
- Remote Reservoir and Power Unit

Portable Presses Are Versatile...

Punching is one of the least expensive ways of making holes in structural shapes. Whitney portable presses reduce "hole" costs because punching takes only a small fraction of the time required for drilling or burning holes and eliminates clean-up operations. You can make money punching wide flange beams, columns, channel iron, angle iron, I-beams, plate and other materials. Twenty-two press models have the versatility to meet most on-the-job requirements.

Web Presses

Model	Capacity (tons)	Maximum Diameter Hole	Maximum Materials Thickness	Throat Depth	Weight (lbs.)
721	20	13/16	9/16	2-3/4	58
731	20	13/16	9/16	4-1/4	124
751	50	1-1/2	3/4	6-1/4	300
771	70	1-1/2	1	7-3/4	560
791	90	1-1/2	1	12-1/2	1200
791AX18	100	1-1/2	1-1/8	18-1/2	2000
791AX30	100	1-1/2	1-1/8	30-1/2	4500
7151AX12	150	2	1-3/8	12-1/2	3600

Flange Presses

Model	Capacity (tons)	Maximum Diameter Hole	Maximum Materials Thickness	Throat Depth	Weight (lbs.)
720	20	13/16	9/16	2-1/4	36
720X6	20	13/16	9/16	6	77
730	30	1-1/2	5/8	3-1/8	70
730CC	30	13/16	5/8	3-1/8	70
730X8	30	1-1/2	5/8	8	130
750	50	1-1/2	3/4	4-1/4	200
770	70	1-3/8	1	4-1/4	240
790	90	1-1/4	1	4-1/4	275
790AX5	100	1-1/2	1-1/8	6-1/4	450
7150AX6	150	2	1-3/8	6-1/4	1100
7150AX12	150	3	1-3/8	12-1/2	2100
7250AX12	250	2-3/8	1-3/8	12-1/2	4800

M-Series Ironworkers



M-125

5 station dual operator machine

TECHNICAL SPECIFICATIONS AND STANDARD ACCESSORIES

- 2 separate hydraulic pistons and foot pedals to allow 2 operators to work at the same time
- More productivity with adjustable punch stroke control
- Central lubrication system
- Electrical back gauge
- Working light
- Five individual workstations on the machine:
 - 1" punch and die and standard punching tools
 - Solid, steel round and square bar cutting blade set
 - Angle cutting blade set
 - Sheet metal cutting shear
 - Coper Notcher








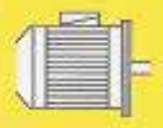
M-190

5 station dual operator machine

TECHNICAL SPECIFICATIONS AND STANDARD ACCESSORIES

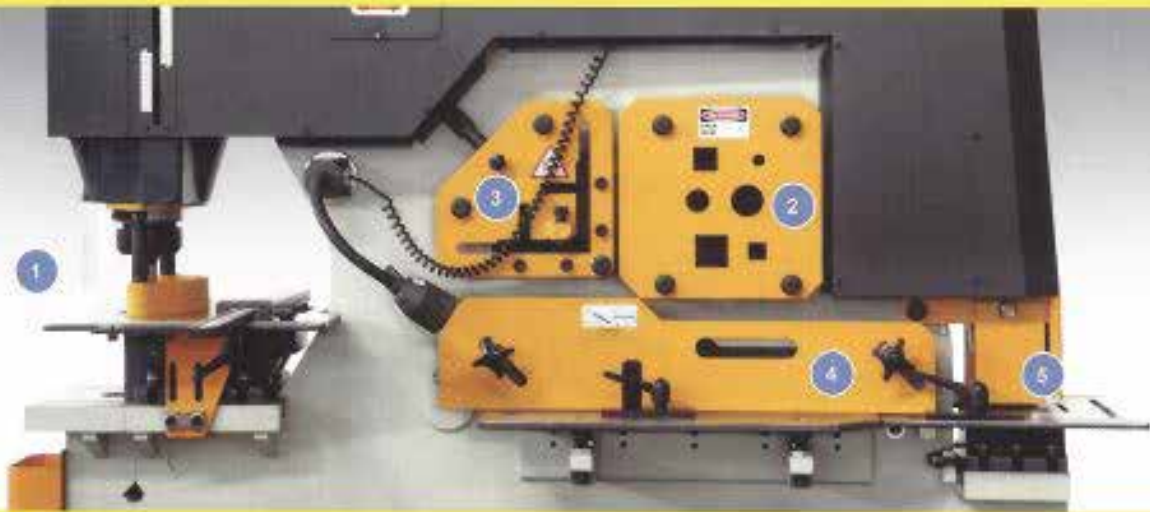
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TECHNICAL SPECIFICATION

			M-125	M-190	
Standard Equipment		PUNCHING			
		Diameter x max. thickness	1-5/16" x 1"	1-1/2" x 1-1/4"	
		Diameter x thickness	2-1/8" x 5/8"	2-1/4" x 7/8"	
		Maximum Diameter	4-5/16" x 3/16"	5" x 3/16"	
		Stroke	3-1/8"	3-1/8"	
Stroke count in (3/4")	x 25	x 22			
Throat depth	14"	24"			
Working height	43-3/4"	44-1/2"			
Standard Equipment		STEEL BAR SHEAR			
		Round/Square	RD 2-1/8", SQ 2"	RD 2-1/2", SQ 2-1/8"	
		ANGLE SHEAR			
		Angle section (90°)	6" x 6" x 5/8"	8" x 8" x 3/4"	
		Angle section (45°)	3-1/8" x 3-1/8" x 3/8"	3-1/8" x 3-1/8" x 3/8"	
Working height	48"	44.5"			
Standard Equipment		FLAT BAR SHEAR			
		Flat Bar	15" x 1"	15" x 1-1/8"	
		Flat Bar	24" x 5/8"	24" x 3/4"	
		Blade Length	24"	24"	
		Shearing with angle	5" x 5/8"	5" x 5/8"	
Working height	37"	32"			
Standard Equipment		NOTCHING			
		Thickness	1/2"	5/8"	
		Width	2-3/8"	2-3/8"	
		Depth	4"	4"	
		Working height	37"	36"	
Optional Equipment		OPTIONAL TOOLS			
		U-I Section blades (for Channel and I-Beam cutting)	7-3/4" x 3-1/2"	11-3/4" x 5"	
		T Section Blades	4-3/4" x 1/2"	6" x 9/16"	
		Special V-Notching tooling	4" x 4" x 1/2"	4" x 4" x 5/8"	
		V - bending Press Brake	Max. Thickness Bending	10" x 7/8"	10" x 1"
			Max. Width Bending	27-1/2" x 1/8"	27-1/2" x 5/32"
		Punching on notcher	Throat depth	5"	5"
Max. capacity	1-1/2" x 1/2"		1-1/2" x 1/2"		
Standard Equipment		TECHNICAL DATA			
		Motor Power	14.75 HP	14.75 HP	
		Weight	6,548 LBS	13,228 LBS	
		Machine Dimensions (LxWxH)	87" x 35" x 76"	107" x 45" x 90"	
		Tonnage	125 Tons	190 Tons	

Based on material strength of 65,000 PSI

Piranha M-Series Standard Work Stations



STANDARD WORK STATIONS

1 PUNCHING

The machine punches up to *2-1/4" diameters very efficiently. Punches and dies are easily changed.

2 STEEL BAR SHEARING

The machine has the ability to shear square bar from *1" to *2-1/8" and round bar from *1-1/8" to *2-1/2" diameters can be cut very fast. Optional blades are available to install in this section to cut channel, I or T sections.

3 ANGLE SHEAR

With the help of special blades you can cut several types of 90°-45° angle sections efficiently.

4 SHEET METAL SHEAR

With the long blade, you can do your daily sheet metal cutting jobs very fast.

5 NOTCHING

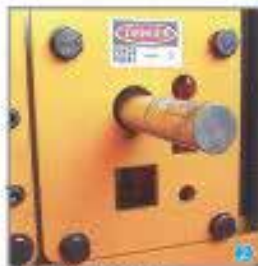
The machine comes with a rectangular notching tool which can be used for your notching jobs.

(*Punching diameter, material diameter and thickness can change according to machine models. (See also capacity chart on page 13).)

STANDARD TOOLS



Punching Station



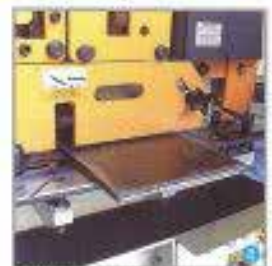
Round Bar Cutting Station



Square Section Cutting Station



Angle Cutting Station



Flat Bar Cutting Station



U-Notching Station



Angle Section (45°) Cutting



Central Lubrication Pump



Electrical Rack Gauge
(Standard) (5 Models - Optional)



Working Light
(Standard) (5 Models - Optional)

Piranha M-Series Optional Work Stations

OPTIONAL WORK STATIONS

1 LARGE HOLE PUNCHING

The machine optionally punches from "1-1/2" dia. to "5" dia. very efficiently. Punches and dies are easily changed.

2 SECTION PUNCHING

You can punch I-section and channel with this optional die block. Punches and dies are easily changed.

3 SECTION BLADES

In the steel bar section of the machine you can cut channel and I-section with optional blades.

4 SPECIAL V-NOTCHING TOOL

Optionally, by adding special V-notching tool station you can notch 90° V notches very efficiently.

5 PRESS BRAKE TOOL

By adding a press brake attachment you can perform your bending jobs very easily.

(*Punching diameter, material diameter and thickness can change according to machine models. (see also capacity chart on page 13)

OPTIONAL ATTACHMENTS



GDDA punch size 9-38mm



GDDA punch size 35-57mm



GDDA punch size 58-85mm



PIVUPN and angle punching tool



PIVUPN and angle punching tool



PIVUPN cutting blade



90° V angle cutting tool

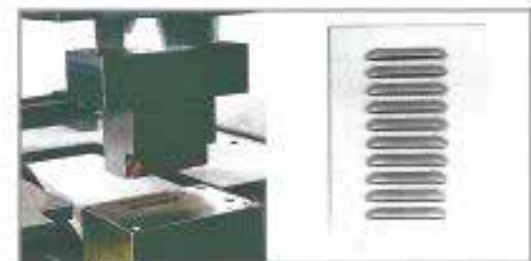


Press brake tool

SPECIAL TOOLING



Special punching tool



Barrow punching tool



Flat bar radius tool

Several types of punches and dies



Piranha Ironworkers Capacities & Specifications

Rated on Mild Steel (60,000) PSI Tensile Strength

All machines subject to changes in specification

	P-50	P-65	P-90	P-110	P-140	P11-88	P11-140	SEP-120
Throat Depth	5"	8"	10"	12"	12"	9"	20.5"	21.5"
Open Height	11-1/2"	13-1/2"	15"	15-1/2"	15-1/2"	14"	14"	12-1/4"
Closed Height w/o Die Block	7-3/4"	9-1/4"	10-1/8"	10-1/4"	10-1/4"	7-3/4"	7-3/4"	10-1/4"
Stroke Length	3-3/4"	4-1/4"	4-7/8"	5-1/4"	5-1/4"	7"	7"	2"
Platen Table Size (D-W)	8" x 16"	10" x 17"	12" x 21"	14-1/2" x 21"	14-1/2" x 21"	11" x 38"	16" x 36"	20" x 10"
Punch Hole Size (Max. Material) Max. Hole Size (Material)	50 Tons 13/16" (3/4") 3" (3/16")	65 Tons 1-1/16" (3/4") 5" (1/8")	90 Tons 1-1/8" (1") 5" (3/16")	110 Tons 1-7/16" (1") 5" (1/4")	140 Tons 1-3/4" (1") 5" (5/16")	88 Tons 1-1/16" (1") 5" (3/16")	140 Tons 1-3/8" (1-1/4") 5" (5/16")	120 Tons 1-1/2" (1") 5" (1/4")
Plate Shear	13" Long 3/4" x 6" 1/2" x 10" 3/8" x 12" 1/4" x 13"	15-1/2" Long 3/4" x 10" 5/8" x 15"	18" Long 1" x 8" 3/4" x 12" 1/2" x 18"	20-1/2" Long 1" x 12" 3/4" x 18" 1/2" x 20"	20-1/2" Long 1" x 14" 3/4" x 18" 1/2" x 20"	24" Long 3/4" x 8" 5/8" x 12" 1/4" x 24"	20-1/2" Long 1" x 14" 3/4" x 18" 1/2" x 20"	N/A
Angle Shear ** w/special blade	3" x 3" 3/8" 3-1/2" x 3-1/2" x 5/16"	5" x 5" 3/8" **4" x 4" 1/2"	5" x 5" 1/2"	6" x 6" 5/8"	6" x 6" 5/8"	5" x 5" 3/8" **4" x 4" 1/2"	6" x 6" 5/8"	N/A
Bar Shear Round (min. to max.) Square (min. to max.)	Optional 1/4" to 1-3/8" 1/2" to 1"	1/4" to 1-1/2" 1/2" to 1"	1/2" to 2" 1/2" to 1-3/8"	1/2" to 2" 1/2" to 1-3/8"	1/2" to 2" 1/2" to 1-3/8"	1/4" to 1-1/2" 1/2" to 1"	1/2" to 2" 1/2" to 1-3/8"	N/A
Coper-Notcher (Tons) (Max.)	40 2-1/4" x 3" x 1/4"	56 2-3/4" x 4" x 1/4"	75 3-1/2" x 5" x 3/8"	95 4" x 6" x 3/8"	95 4" x 6" x 3/8"	56 2-3/4" x 4" x 1/4"	95 4" x 6" x 3/8"	N/A
Bending Attachment (Optional Length)	Optional 6", 12"	Optional 8", 12", 16", 24"	Optional 12", 24"	Optional 12", 24"	Optional 12", 24"	Optional 24", 36", 48"	Optional 18", 24", 36", 48"	Optional 18"
Punch End Strokes Per Minute Optional Speed-Up Kit	30 @ 1/2" N/A	30 @ 3/4" 45 @ 3/4"	32 @ 3/4" 45 @ 3/4"	30 @ 3/4" 41 @ 3/4"	30 @ 3/4" 35 @ 3/4"	19 @ 1" N/A	24 @ 1" N/A	16 @ 1" N/A
Work Station Height (Approximate)	42"	42"	42"	44"	44"	41"	44"	42"
Hydraulics Pump GMP System R/V PSI	3.6 2800	7.5 3000	10.5 2900	10.5 3200	15 3500	7.5 3500	15 3500	10.5 2850
Fluid Capacity (gal.)	12	20	25	25	25	20	40	30
Motor Std. 230/460 3 Ph. 1800 RPM Opt. Phase & Voltage Available	3 HP 3 Ph.	7.5 HP 3 Ph.	10 HP 3 Ph.	10 HP 3 Ph.	15 HP 3 Ph.	10 HP 3 Ph.	20 HP 3 Ph.	10 HP 3 Ph.
Dimensions (Net) W-L-H Approximate	24" x 55" x 58"	24" x 66" x 60"	31" x 79" x 64"	35" x 90" x 66-1/2"	35" x 90" x 68-1/2"	38" x 90" x 72"	38" x 120" x 85"	48" x 60" x 72"
Weight (Net) Lbs. Approx.	1700	2600	4250	5800	6200	4700	11,930	4100