

# Iron Worker Machine



## Introduction to the structure and properties:

Q35Y Series hydraulic combined punching & shearing machine can cut and punch all kinds of materials such as plate, square bar, angle, round bar, channel and so on. Accrual Industrial hydraulic ironworkers have been designed and built to the highest quality standards in the industry. This profitable machine will serve any grueling fabrication shop for decades to come. This machine is typically in stock for quick deliveries.

### 1. Punching

Full range of universal punches and dies are available. unique style allows for large angle iron punching and large channel punching. Large viewing window on stripper swing away design for ease of operation. large two-piece gauging table with rulers and stop as standard fittings. Quick change coupling nut and sleeve for rapid replacement of change.

### 2. Shearing

Round and square bar shear has multiple holes for a variety of sizes. Adjustable hold down device for round/square bar, channel/beam cutting. Large strong guarding for max safety. The angle shear has the ability to cut angle at 45° both top and bottom leg. This gives the operator the ability to make a picture frame corner for perfect welds. Diamond shaped blade for quality cuts that is minimal material lost and deformity. Easily adjustable hold-down device for accurate plate cutting. Large 15" squaring arm with inlaid scale. Special anti-distorted blade for quality cutting. Lower blade has four usable edges. There is screw allow for gap adjust no shim needed.

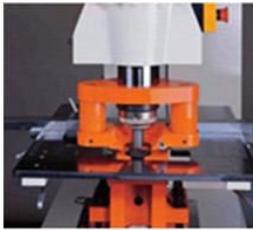
### 3. Notching

Unique design allows for cutting of angle and flat bar. Electrical interlock safety guard and three gauging stops for precise positioning. The notching section of this hydraulic ironworker is perfect for notching out metal plate, angle iron and much more. The notching station also has an oversized table with material stops. This section of the machine can also be outfitted with the optional v notcher.

### 4. Bending

Also bend the plate below 500mm. All the components of Machine are of the highest quality in their safety, function, capability and maintenance

### Standard Iron Work Tools:



Punching Station



Channel Cutting



Square Bar Shearing

**ACCURL®**



V Notcher



Bar and Angles Cutting



Angle Station



45° Miter Cut

### Specification

Model	Q35Y-12	Q35Y-16	Q35Y-20	Q35Y-25	Q35Y-30	Q35Y-40	
Punching Pressure (Tons)	35	60	90	125	160	200	
Max.Cutting Thickness of Steel Plates (mm)	12	16	20	25	30	40	
Material Strength (N/mm <sup>2</sup> )	≤450	≤450	≤450	≤450	≤450	≤450	
Cutting Angle Degree	7°	7°	8°	8°	8°	8°	
Flat Bar Shearing (T X W)(mm)	12X160 6X300	16x250 8x400	20x330 10x480	25x330 16x600	30x335 20x600	40x335 30x600	
Max. Length of Cylinder Stroke (mm)	35	80	80	80	80	100	
The No. of Punch Trips(time/mins)	10-18	11-20	12-20	8-18	6-16	6-16	
Depth of Throat (mm)	115	300	355	400	600	530	
Punching Depth (mm)	12	16	20	25	28	35	
Max.Punching Diameter(mm)	25	25	30	35	38	40	
Main Motor KW	4	5.5	7.5	11	15	18.5	
Dimension	Length	950	1740	1950	2355	2800	2900
	Width	550	810	900	960	1050	1100
	Height	1800	1830	1950	2090	2450	2500
Weight	1000	1800	2550	4200	6500	7500	

Round Bar			35	45	50	60	65	70
Square Bar			30x30	40x40	50x50	50x50	55x55	60x60
Equal Angle	90° Shearing		86x86x8	120x120x12	140x140x12	160x160x14	180x180x16	200x200x18
	45° Shearing			50x50x5	70x70x10	60x60x6	80x80x8	80x80x10
T-Bar	90° Shearing			125x125x12	140x140x12	160x160x14	180x180x16	200x200x18
	45° Shearing			60x60x8	70x70x10	80x80x10	80x80x10	100x100x10
I Beama				120x74x5	160x88x6	200x102x9	280x124x10.5	300x130x13
C Channel				120x53x5.5	160x63x6.5	200x75x9	280x86x11.5	300x89x11.5

**Samples :**

