

SHAW MACHINERY

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P176 Hydraulic Punch & Shear IW-100S



Code: P176
Model: IW-100S
Capacity: 100 Tonne, Dual Independent Operation
Weight (Nett): 3150
Dimensions: 211 x 86 x 191

Description

The double cylinder "S/SD" series are in the Sunrise tradition of well engineered ironworkers built for high power, quality, & reliability. These ironworkers have two control foot pedals, & separate operations can be safely performed simultaneously without interference. The low pressure setting for tool change provides maximum operation safety. The long punching cylinder stroke & deep throat enable mounting a wide range of special equipment. The large punching base with the "T-slot" fixing provide a solid base for securing the punching tooling, as well as a wide range of optional & custom designed tooling.

Sunrise Fluid Power Inc. has been manufacturing hydraulic products for more than 20 years. Sunrise products includes hydraulic ironworkers (steelworkers), hydraulic punching machines, bending machines, cylinders, & more. Sunrise is ISO-9001 certified by BVQI & meet all CE safety requirements & regulations. Sunrise Fluid Power is dedicated to research and development. In 2000 Sunrise introduced new series ironworkers, punching machines, & CNC controlled positioning tables. In 2002, Sunrise further introduced new lines of sheet metal punching machines & horizontal bending machines. Currently Sunrise has the broadest range of ironworker & punching machine models compared to any other manufacturer & continue to offer new products to suit market demands.

PUNCHING

Large hole punching up to ~ 50 mm as standard

Overhang bolster for punching channel & beam flanges

Large ruled support table with removable front section for leg down punching in angle or section

Easily adjustable stripper & safety guard

Taiwanese Punch and Shear

Features

- Five work stations, Punching, Notching, Plate Shearing, Angle Iron Shearing and Bar Shearing (all stations are guarded)
- Dual hydraulic cylinders allows simultaneous operation without interference

- Punching capacity up to 50mm standard
- Mitre cutting of angle iron
- Magnetic base halogen lamp
- Hydraulic system is protected with replaceable filter cartridge
- Adjustable stroke for faster punching
- Curved shear blade for minimal job distortion
- Most cutting blades are four-sided for long life
- Punch, shear & notching table fitted with stops & guides as standard
- Two-pedal operation allows two people to work machine to greatly speed up production
- Large punch table with multi-purpose bolster, featuring a removable block for channel and beam flange punching
- Adjustable length stop with one-touch electronic backgauge for greater efficiency in repetitious work
- Pre-Commissioning:
 1. Punch & Shear is run & tested prior delivery
 2. Hydraulic oil is included with machine

Includes

- Full safety guarding at all workstations
- Tooling to all workstations
- Punch, Shear & Notch support tables
- Now with Quick Change Tooling
- 1 Metre Adjustable "one touch" length stop allowing continuous cutting once the material has reached the micro-switch stop which in turn activates the hydraulic system to shear work piece

Specifications

CODE	P176	Angle Shear - 45° - Mild Steel	80 x 80 x 10mm
Model	IW-100S	Round Solid Bar Shear - Mild Steel	Ø45
Punching Pressure	100 Tonne	Square Solid Bar Shear - Mild Steel	45 x 45mm
Punching (Diameter X Thickness)	ø28 x 26mm, ø50 x 15mm	Notcher - Rectangle - Mild Steel	63.5 x 90 x 12mm
Punching Throat Depth	310mm	Motor Power	7.5kW / 10hp
Punching Maximum Stroke Length	100mm	Voltage	415V
Punching Cycle/min (15mm Stroke) - Mild Steel	28	Weight (nett)	3180kg
Flat Bar Shear (Width x Thickness) - Mild Steel	610 x 16mm, 400 x 20mm		
Flat Bar Shear - Blade Length - Mild Steel	620mm		
Angle Shear - 90° - Mild Steel	152 x 152 x 15mm		