

## P174 Hydraulic Punch & Shear IW-60S



**Code:** P174  
**Model:** IW-60S  
**Capacity:** 60 Tonne, Dual Independent Operation  
**Weight (Nett):** 1950  
**Dimensions:** 170 x 80 x 181

### 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  $\sim 50$ 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

<b>CODE</b>	P174	<b>Angle Shear - 45° - Mild Steel</b>	65 x 65 x 8mm
<b>Model</b>	IW-60S	<b>Round Solid Bar Shear - Mild Steel</b>	Ø40
<b>Punching Pressure</b>	60 Tonne	<b>Square Solid Bar Shear - Mild Steel</b>	38 x 38mm
<b>Punching (Diameter X Thickness)</b>	ø22 x 20mm, ø50 x 9mm	<b>Notcher - Rectangle - Mild Steel</b>	50.8 x 90 x 9mm
<b>Punching Throat Depth</b>	310mm	<b>Motor Power</b>	5.5kW / 7.5hp
<b>Punching Maximum Stroke Length</b>	100mm	<b>Voltage</b>	415V
<b>Punching Cycle/min (15mm Stroke) - Mild Steel</b>	30	<b>Weight (nett)</b>	1950kg
<b>Flat Bar Shear (Width x Thickness) - Mild Steel</b>	350 x 15mm, 240 x 20mm		
<b>Flat Bar Shear - Blade Length - Mild Steel</b>	360mm		
<b>Angle Shear - 90° - Mild Steel</b>	130 x 130 x 13mm		