

## Product Brochure For P175

### IW-80S - Hydraulic Punch & Shear - 80 Tonne

Dual Hydraulic Cylinders with Independent Operating Stations  
 Includes Auto Touch & Cut Systems, Laser Punch Guide & 6 Sets of Round Punches & Dies

**Ex GST**                      **Inc GST**  
**\$24,500.00**      **\$26,950.00**



ORDER CODE:	P175
MODEL:	IW-80S
Punching Pressure (Tonne):	80
Punching Table Type:	Manual with Guides and Adjustable Stops
Punching (Diameter x Thickness) - MS (mm):	Ø26 x 22, Ø50 x 12
Punching Throat Depth (mm):	310
Punching Maximum Stroke Length (mm):	100
Punching Cycles (15mm Stroke) - MS (cpm):	29
Punching Work Table Height (mm):	1050
Flat Bar Shear (W x Thickness) - MS (mm):	460 x 15, 300 x 20
Flat Bar Shear - Blade Length - MS (mm):	465
Flat Bar Shear Work Table Height (mm):	926
Angle Shear 90° - MS (mm):	152 x 152 x 13
Angle Shear 45° - MS (mm):	80 x 80 x 10
Angle Flange Trim (mm):	100
Angle Shear Work Table Height (mm):	1165
Round Solid Bar Shear - MS (mm):	Ø45
Square Solid Bar Shear - MS (mm):	45 x 45
Solid Bar Shear Work Table Height (mm):	1270
Notching - Rectangle - MS (mm):	50.8 x 90 x 12
Notching Work Table Height (mm):	926
Multi Vee Die Block (mm):	-
Vee Opening Sizes (mm):	-
Max. Tonne Capacity (T):	-
Bending Work Table Height (mm):	-
Motor Power (kW / hp):	7.5 / 10
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	2360



### Description

The Sunrise Punch & Shears are manufactured in Taiwan, also known as Ironworkers are well recognised in our Australian market for the machines being reliable & durable due to their structurally well manufactured unique design & engineering excellence. Sunrise is ISO-9001 certified by BVQI, and our products meet the CE safety requirements and regulations. Sunrise relentlessly seeks continuous improvement and product development to keep a step ahead of their competitors.

The double cylinder "S/SD" series 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 optional 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.

The hydraulic system & components that drives the shearing beam & punching head is considerably very quiet compared to most other machines and operates efficiently smooth in all modes. The electrical components & DC control circuit are operated at a low 24 volt system & provides full protection & safety with in the separate key locked cabinet.

The Sunrise machines have proven themselves over & over again to provide trouble free service for many years in production and we have references all around Australia to verify our statement.

### Features

- Laser punch guide system for easy alignment
- 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

## Product Brochure For P175

- 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

### PUNCHING

- Large hole punching up to Ø50mm 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

### Pre-Commissioning:

1. Punch & Shear is run & tested prior delivery
2. Hydraulic oil is included with machine

### Includes

- 6 sets of round punches & dies:
- Punches: 20, 22, 24, 26, 28 & 30mm
- Dies: 20.7, 23.2, 25.2, 27.2, 29.2 & 31.2mm
- Full safety guarding at all workstations
- Tooling to all workstations
- Punch, Shear & Notch support tables
- Now with Quick Change Tooling
- 1 metre adjustable "Auto touch length stop" once the material has pushed the micro-switch stop the hydraulic system is activated to shear work piece

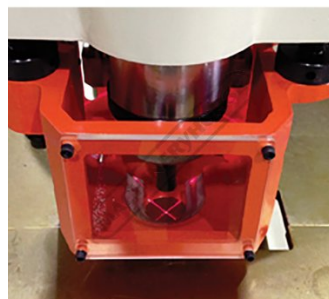
### Optional Accessories

- Punch & dies are available in Round, Square, Rectangle & Oblong shapes

### Specific Features



Machine Capabilities



LG-PS - Laser Guide System



Includes large hole punching up to 50mm Diameter



Includes Auto Touch & Cut Length Stop



Flat Bar Shear



Angle Shear



Angle Shear



Angle Shear

Product Brochure For P175



Angle Shear



Angle Shear



Round Bar Shear



Square Bar Shear



Notcher



Work Light



Monoblock Design For Rigid Frame Structure



Keyed Punch Ram For Shaped Tool Alignment



Solid Punching Base With T-Slot Grooves



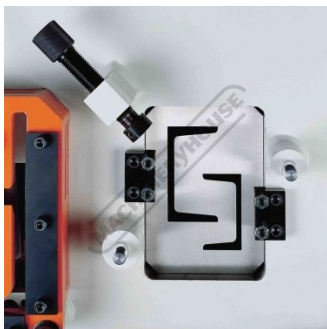
Optional Single Vee Pressbrake Attachment



Optional Multi Vee Pressbrake



Optional Vee Notcher Punch Side



Optional Channel Shear



Optional Hydraulic Holddown for Flat Shear



Optional Pipe Notcher

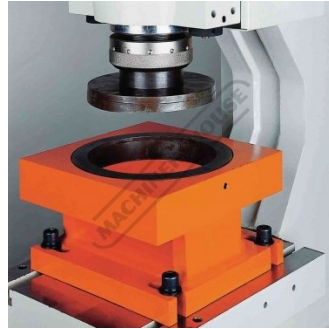


Optional Channel Punching Die Holder

Product Brochure For P175



Optional Goose Neck Die Holder



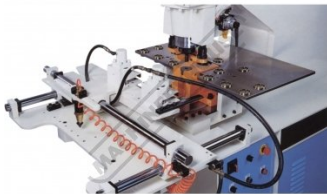
Optional Large Hole Punching



Optional Angle Bending Press



Optional Multi Stop Gauge



Optional Duplicating Table

**Recommended Accessories**

**P163**  
 Laser Guide System

**P186**  
 Single-Vee Pressbrake Bending Attachment

**P189**  
 Multi-Vee Pressbrake Bending Attachment

**P165**  
 Ø6-26mm Round Punch & Dies Set



Product Brochure For P175

**P166**  
Ø11-40mm Round Punch &  
Dies Set



**P726**  
Ø26mm Round Punch - RPN1



**P726A**  
Ø26.7mm Round Die - RDN1



**P6005**  
8 x 20mm Slotted Punch



**P6006**  
8.7 x 20.7mm Slotted Die



**P6001**  
8 x 8mm Square Punch



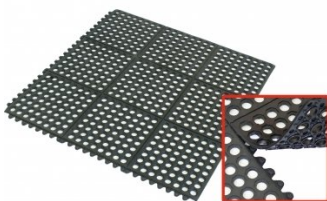
**P6002**  
8.7 x 8.7mm Square Die



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**O000**  
SpillFix Universal Organic  
Absorbent



**O000A**  
Natural Zeolite Absorbent



**O043**  
Rust & Corrosion Preventive -  
Penetrant & Lubricant



Product Brochure For P175

O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive - Penetrant & Lubrication



O044

Rust & Corrosion Preventive - Penetrant & Lubrication



O004

Superdraulic 46 Hydraulic Oil

