Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For P176C

Hydraulic Punch & Shear with NC Table - 100 Tonne - IWNC-100SD

Dual Hydraulic Cylinders with Independent Operating Stations
Includes NC Programmable Positioning Table 1000 x 400mm



SUNRISE | Made in Taiwan | 2 YEAR WARRANTY | NO PLUG 415V

Please Call

ORDER CODE:	P176C
MODEL:	IWNC-100SD
Punching Pressure (Tonne):	100
Punching Table Type:	NC Positioning & 1000 x 400mm (X & Y-Axis)
Punching (Diameter x Thickness) - MS (mm):	Ø28 x 26, Ø50 x 15
Punching Throat Depth (mm):	510
Punching Maximum Stroke Length (mm):	100
Punching Cycles (15mm Stroke) - MS (cpm):	28
Punching Work Table Height (mm):	~
Flat Bar Shear (W x Thickness) - MS (mm):	610 x 16, 400 x 20
Flat Bar Shear - Blade Length - MS (mm):	620
Flat Bar Shear Work Table Height (mm):	~
Angle Shear 90º - MS (mm):	152 x 152 x 15
Angle Shear 45º - MS (mm):	80 x 80 x 10
Angle Flange Trim (mm):	~
Angle Shear Work Table Height (mm):	~
Round Solid Bar Shear - MS (mm):	Ø45
Square Solid Bar Shear - MS (mm):	45 x 45
Solid Bar Shear Work Table Height (mm):	~
Notching - Rectangle - MS (mm):	63.5 x 90 x 12
Notching Work Table Height (mm):	~
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):	3900

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 Semi-Automatic CNC positioning tables from SUNRISE are plate and angle positioning systems with touch-screen interfaces. The CNC positioning table is available as a factory-installed option on any dual-cylinder ironworker or punching machine with a 510mm or larger throat depth. The operation and programming are CNC controlled using a pendant mounted controller featuring simple programming and a virtually indestructible design. The operator simply positions the material against the CNC-controlled X and Y stops and initiates the punch program.

The Windows based PC Controller features a 15? Touch-Screen, WiFi and all flash-memory based Nexcom computer. The software provided handles a wide variety of programming needs whilst also being simple to operate.

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.

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For P176C

Features

- NC programmable positioning table 1000 x 400mm
- Pendant mounted Windows based PC controller with 15” Touch-Screen
- DXF import function
- Pre-programmed patterns: line, array, arc and custom
- Pattern nesting: combine multiple files
- Dual hydraulic cylinders allows simultaneous operation without interference
- Five work stations, Punching, Notching, Plate Shearing, Angle Iron Shearing and Bar Shearing (all stations are guarded)
- 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
- 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

- 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

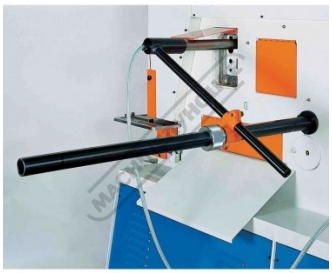
Optional Accessories

- 1000 x 600mm NC Positioning Table
- 3000 x 400mm NC Positioning Table
- Multi Tool Punch System 30-30-30
- Multi Tool Punch System 30-40-30
- Oil Tank Cooling System

Specific Features



Machine Capabilities


Includes Length Stop


Flat Bar Shear


Square Bar Shear

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For P176C


Round Bar Shear


Angle Shear


Angle Shear


Angle Shear


Angle Shear


Angle Shear


Work Light


Monoblock Design For Rigid Frame Structure

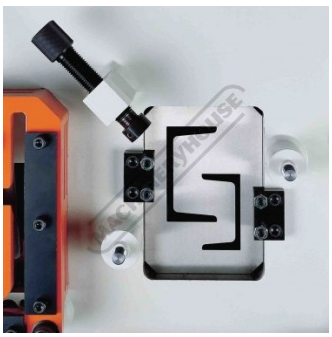

Keyed Punch Ram For Shaped Tool Alignment


Solid Punching Base With T-Slot Grooves


Optional Single Vee Pressbrake Attachment


Optional Multi Vee Preesbrake


Optional Vee Notcher Punch Side


Optional Channel Shear


Optional Hydraulic Holddown for Flat Shear


Optional Pipe Notcher

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au


Optional Channel Punching Die Holder


Optional Goose Neck Die Holder


Optional Large Hole Punching

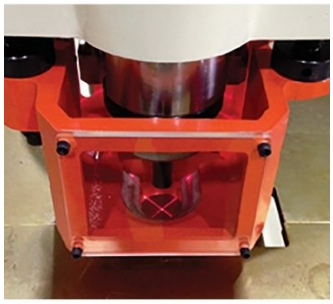

Optional Angle Bending Press


Optional Duplicating Table


Optional Multi Stop Gauge

Recommended Accessories

P163
Laser Guide System



P165
Ø6-26mm Round Punch & Dies Set



P166
Ø11-40mm Round Punch & Dies Set



P726
Ø26mm Round Punch - RPN1



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For P176C

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



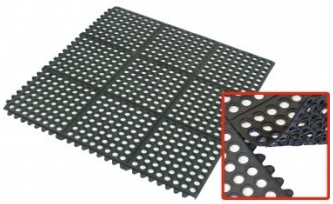
P6002
8.7 x 8.7mm Square Die



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For P176C

O004

Superdraulic ISO 46 Hi Temp
Hydraulic Oil

