



HYDRAULIC IRONWORKERS & PUNCHING MACHINES



Multi-Function / Excellent Quality / Economical Investment

CE
ISO 9001

INTRODUCTION

With a highly dedicated team, Sunrise Fluid Power Inc. has been specializing in the manufacturing of hydraulic ironworkers, punching machines, bending machines, and other hydraulic machinery and equipment for over 30 years. Total customer satisfaction is our number one goal. We are passionate about providing engineering excellence in everything we do, and we are dedicated to manufacturing world-class, high-value products for our global customers.

Product Differentiation

Sunrise is ISO-9001 certified by BVQI, and our products meet the CE safety requirements and regulations. We relentlessly seek continuous improvement and product development. Currently Sunrise has the broadest range of ironworker and punching machine models compared to any other manufacturer. Sunrise product advantages: Durability, Accuracy, and Versatility. Besides our very popular single and dual operator models, we have introduced the K-series, a new line of ironworker with vertical movement at all stations. The center beam in the entire range of K-series moves in straight up and down motion to provide less deformation, better results and longer tooling life.



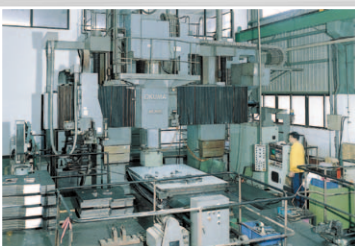
Quality Control

Quality of the highest standard is the key factor in success. All key components of our ironworkers, punching machines, etc. are made in-house at our modern plant and automated production lines. We use the latest control system to ensure highly efficient production, and the quality assurance team measures and tests each component to ensure precision standards of machined parts are met or surpassed. Finally, before shipping, each complete machine goes through intensive quality and performance tests to make absolute sure it meets our strict company quality standards before it arrives at the customer's operation.



Sales and Service

Our global sales network covers almost 50 countries in Europe, Australia, North America, Southeast Asia, the Middle East and more. This coverage, combined with the quality of our machines, makes Sunrise one of the best choices when it comes to metal forming. In this highly competitive international market, Sunrise's market share continues to grow. Thank you to our many and growing list of satisfied customers for your continued support. Sunrise is now one of the leading brands in the fabricating industry. We look forward to your continued support and comments -- together we will push quality at Sunrise ever higher.



Sunrise Hydraulic Ironworkers are designed with multiple functions to save labor, time, energy and cost. This allows Sunrise Ironworkers to meet the diversified needs of the metal fabricating industry.

Maximum efficiency and long life is guaranteed by using the latest manufacturing methods, including powerful CAD design, modern production line with CNC equipment and continuous quality control.

Each work station is equipped with specially designed hold-downs to ensure safety while providing precision and ease of use. These ironworkers are the most economical and efficient machines in the industry for the manufacturing of metal products.

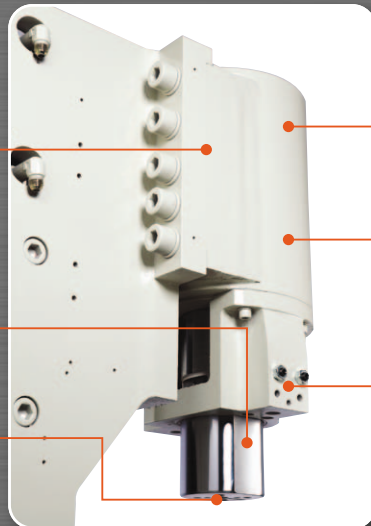
All Sunrise ironworkers and punching machines come standard with a low pressure tool alignment mode. The operator can use the JOG mode to run the machine in low pressure and low speed for tool alignment, blade changes and maintenance operations. This greatly improves operator safety and prevents tool damage in case of mis-alignment.

Key features on the dual cylinder models:

The dual cylinder models feature a separate cylinder for independent operation from shearing stations.

Cylinder ram with flat surface for rigid guiding and to ensure proper alignment of tool.

Keyed punch ram to ensure alignment of shaped tooling.



The cylinder ram is guided at three positions to provide extra support and absorb side-load forces for added protection of cylinder seals.



The base of the machine is made from welded channel in a grid pattern for a rigid machine foundation.

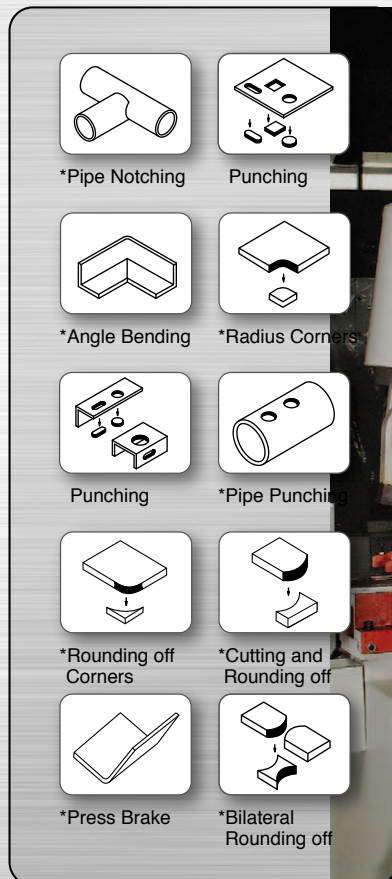


The punching station features a large cylinder mounting plate to ensure maximum cylinder support under heavy load. The punching base is one solid plate with T-slot grooves for universal tool fixture.

The frame of the machine is a monoblock construction that integrates both bolts and welding reinforcement to provide maximum frame structure rigidity.

FEATURES

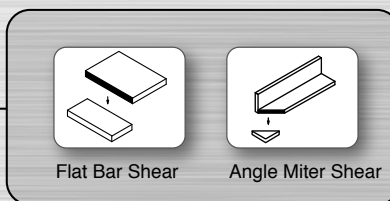
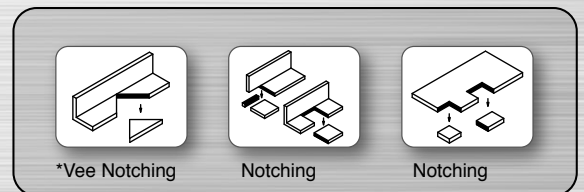
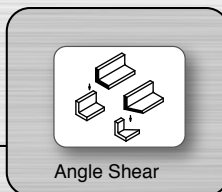
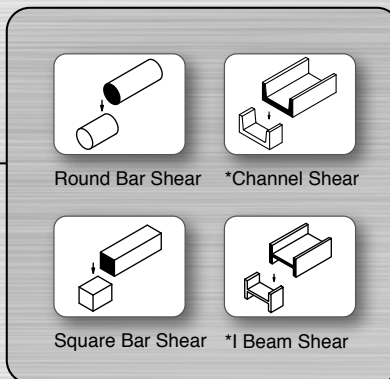
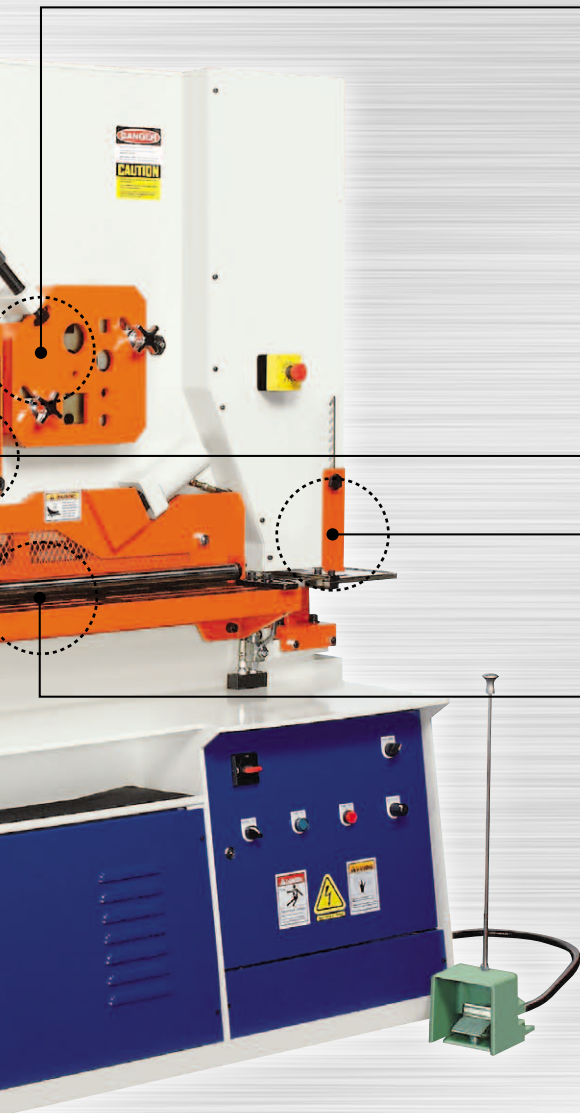
HYDRAULIC IRONWORKERS &



IW-165SD

* : Optional tooling

PUNCHING MACHINES



The use of name-brand hydraulic components ensure excellent reliability of the hydraulic system.



Electric cabinet with low 24 volt DC control circuit provides full protection and safety.

WORK STATIONS

Punching Station

- A full range of punches and dies are available for various punching needs.
- Quick change retaining nut system for fast punch tooling change.
- Thoughtfully designed stripper for visibility, safety and ease of use.
- A large 2-piece table with scales and gauging stops is standard on all models.
- Stripper with interchangeable plates of various openings to minimize deformation is standard on all models.
- Optional hydraulic stripper is available on dual-cylinder ironworkers and all punching machines.



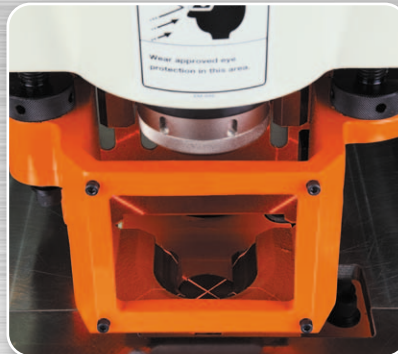
*Punches and dies are sold separately.



*Standard dual-opening die block for up to 50mm round punch and die.



Overhang die holder for punching channel flanges and angles. (optional on single cylinder models)



*Laser alignment system for more accurate positioning of marked parts.



*Goose-neck die holder for punching channel flanges and webs.



*Urethane spring stripper for minimal deformation. Safety cover removed for showing.



*Pipe notcher.



*Oversize punch attachment. Safety cover removed for showing.

* : Optional tooling



*Multi-stop gauge table. (S/SD/KD and PM models only)



*Single vee press brake.



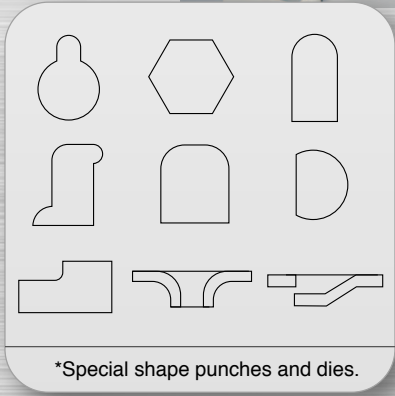
*Multi vee press brake.



*Large vee-notcher. (Punch side)



*Angle bending press.



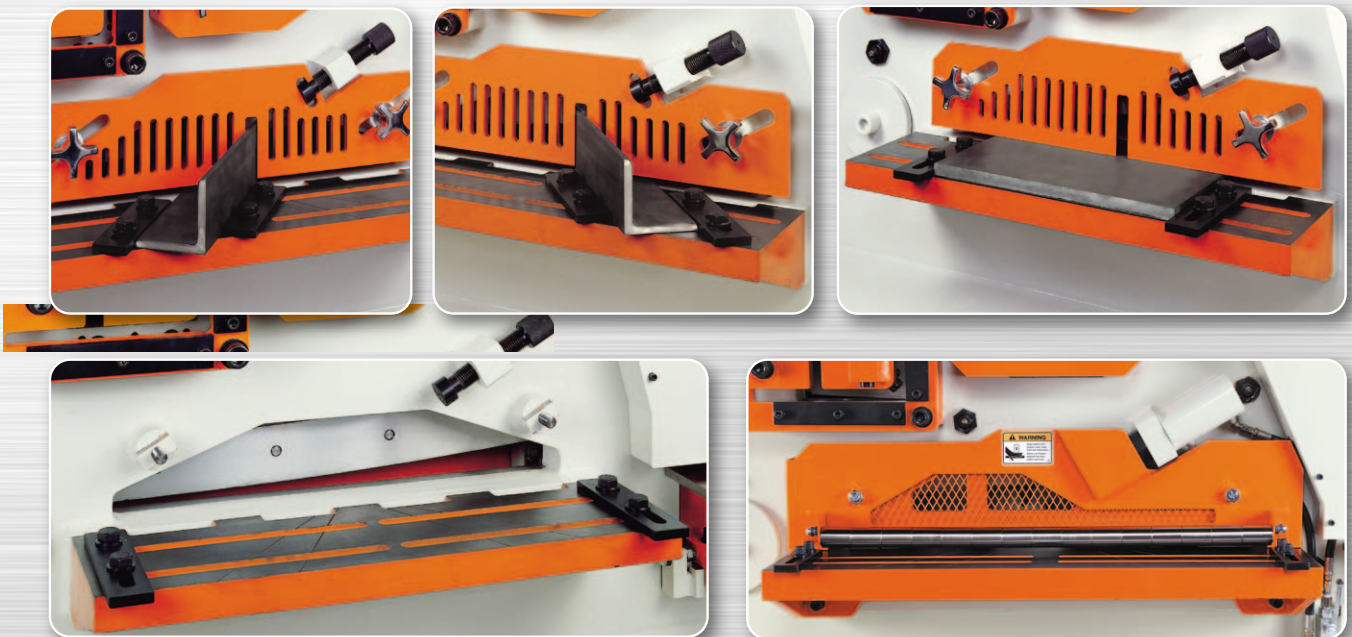
*Optional Semi-Automatic CNC Tables with 1000x400mm travel.



WORK STATIONS

Flat Bar Shearing Station

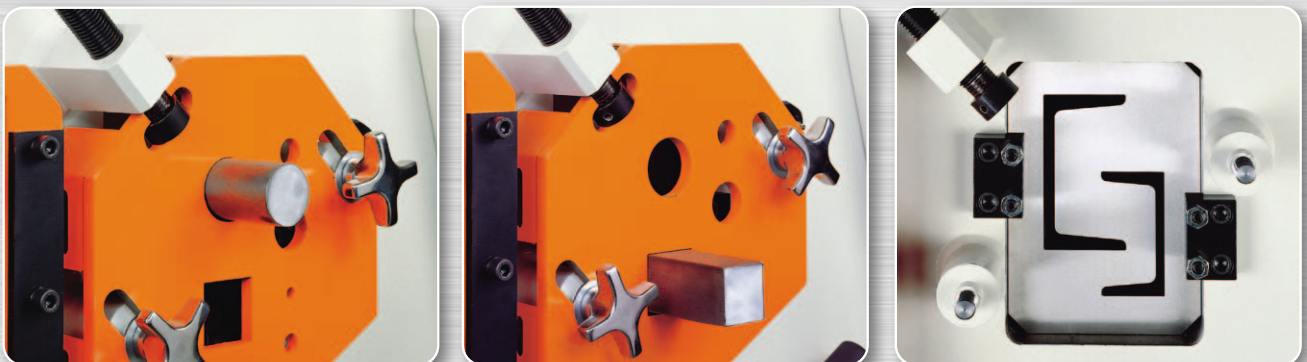
- Specially machined upper blade to give a clean shear with minimum distortion.
- Lower blade has four usable cutting edges.
- Variable degree miter-cutting on angle flange.
- Easily adjustable hold-down.
- Support table with guides for accurate positioning.



*Optional hydraulic hold-down for double cylinder ironworkers.
(Standard on IW-165SD)

Bar Shearing Station

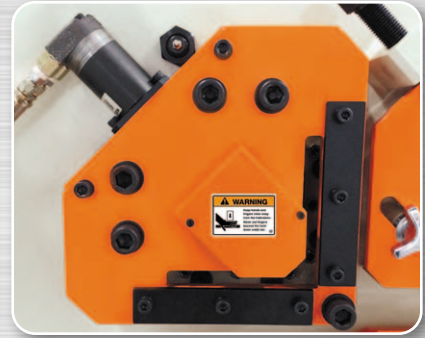
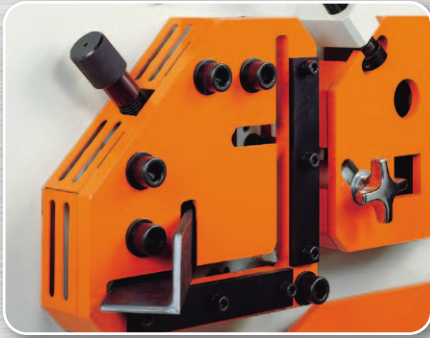
- One hold-down for various sizes of square bar shearing and round bar shearing.
- Optional channel and section bar shear tooling is available for most models. (See specification chart for details)



*Channel blades. (optional)

Angle Shearing Station

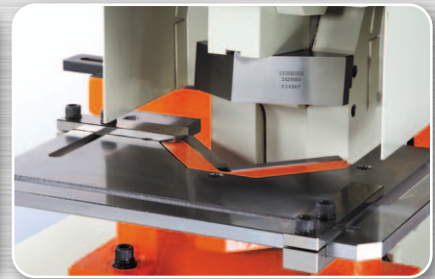
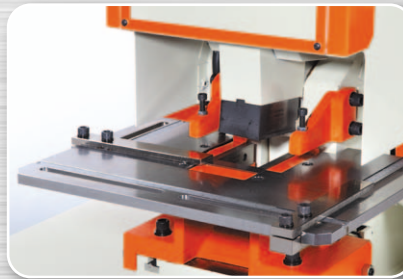
- Single shear with no material loss and minimal deformation.
- 45° miter-cut is easy and clean.
- Stationary blades with four usable cutting edges.
- Selectable corner radii on moving blades for optimum results on small or large angles.



*Optional hydraulic hold-down for angle shear.

Notching Station

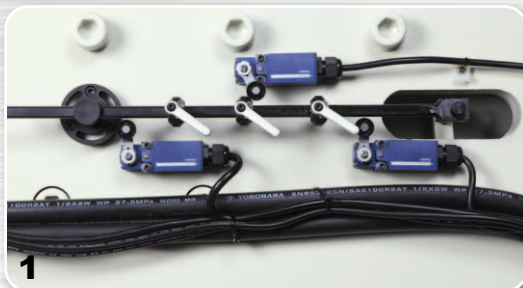
- Ideal for notching of flat bars and angles.
- Electrically interlocked safety guard for maximum safety and visibility.
- Gauging table included with stops for precise positioning.



*Optional vee-notcher.

Other Included Features

1. Three limit switches enable setting of short notch stroke to improve efficiency. (on IW-50A, IW-60H and S/SD models)
2. Magnetic base LED work light for safer operation. (optional on IW-45M)
3. 1000mm electric backgauge for higher efficiency in repetitious work.
The gauge extension is available depending on request.



*Optional on IW-45M, IW50A, IW-60H.

K SERIES

K - SERIES IRONWORKERS

The K-series are special designed compact ironworkers with vertical movements at all stations. The entire main slide moves in straight up and down motion to provide the optimum results for punching, shearing, notching, and bending. Hydraulic hold-down and urethane spring stripper are also available for the best performance. The fast cylinder stroke greatly improves the efficiency. This model incorporates versatility, efficiency, accuracy, and ease of use at an excellent price.



Hydraulic hold-down.
(optional on IW-45K / IW-60B)



IW-45K



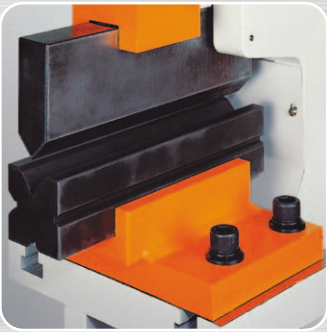
IW-60K



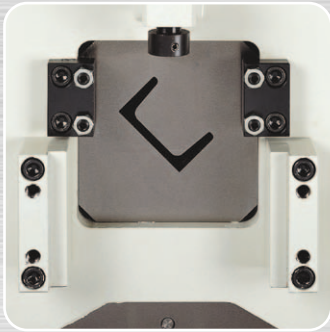
*Single vee press brake.



*Urethane spring stripper.
Safety cover removed for showing.



*Multi vee press brake.



*Channel Shear.



IW-60B



IW-85KD

SINGLE CYLINDER

Single Cylinder Models

IW-45M

The IW-45M has four standard stations, capable of a wide range of applications. The punching station can be converted into a notching station. IW-45M is heavier and stronger than other competitive machines. This durable and economical model is perfect for small shops with a limited budget.



IW-45M

IW-50A

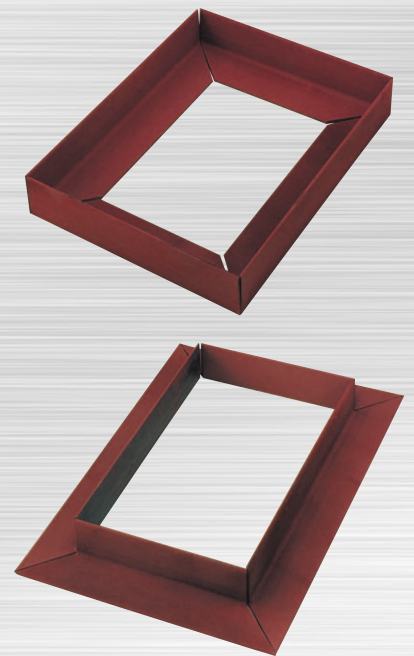
The IW-50A features a vertical moving ram at the punching station which improves the punching result and enables use of optional tooling such as pipe notching and press braking tool. The square/round bar shear is a stand-alone station with the possibility of optional channel shear and section bar shear tooling. This model also features lower angle shearing and bar shearing stations.



IW-50A

IW-60H

The IW-60H features the "Z" shape aperture at the angle shear station, which makes this model capable of doing both the internal and external miter shear on angles. The round/square bar shearing on this model is a stand-alone station that has large shearing capability.



IW-60H

K - SERIES IRONWORKERS

Capacities and Specifications

Unit: mm

MODEL	IW-45K	IW-60K	IW-60B	IW-85KD
PUNCHING				
Punching Force	45 Ton	60 Ton	60 Ton	85 Ton
Punch Capacity	ø22 x 15	ø22 x 20	ø22 x 20	ø27 x 22
(Diameter x Thickness)	ø40 x 8	ø40 x 11	ø40 x 11	ø50 x 12
Throat Depth	165	200	200	410
Maximum Stroke Length	30	40	40	100
Cycles / Min. (15mm stroke)	37	34	34	38
Working Height Up to Die	1050	1050	1050	1050
ANGLE SHEARING				
Shearing Force	45 Ton	60 Ton	60 Ton	110 Ton
Shearing Cylinder Stroke Length	--	--	--	50
At 90° Shearing	75 x 75 x 6	100 x 100 x 7	100 x 100 x 7	130 x 130 x 12
Working Height	1000	1070	1070	1040
FLAT SHEARING				
Flat Bar Shear	300 x 10	350 x 15	350 x 15	406 x 17
Blade Length	310	360	360	410
Working Height	800	805	805	726
BAR SHEARING				
Round Bar Shear	ø30	ø40	ø40	ø45
Square Bar Shear	25 x 25	38 x 38	38 x 38	45 x 45
Channel Shear (H x B)	75 x 40*	100 x 50*	100 x 50*	150 x 75*
I Beam Shear (H x B)	--	--	--	150 x 75*
NOTCHING				
Rectangular Notcher (W x D x T)	50.8 x 90 x 7	50.8 x 90 x 8	--	63.5 x 90 x 12
Vee-Notcher (Side x Side x T)	90 x 90 x 8*	90 x 90 x 8*	--	105 x 105 x 12*
Channel Notching	--	--	--	180 ~ 200
Working Height	1050	1050	--	1050
SPECIAL TOOLING				
Large Vee-Notcher (Side x Side x T)	--	--	--	145 x 145 x 10*
Single Vee Press Brake (W x T)	160 x 8*	160 x 8*	160 x 8*	250 x 12*
Multi Vee Press Brake (W x T)	250 x 4*	250 x 6*	300 x 6	500 x 5*
Angle Bending	65 x 65 x 8*	65 x 65 x 8*	65 x 65 x 8*	100 x 100 x 7*
Pipe Notching	ø60*	ø60*	ø60*	ø100*
OTHER				
Electric Power (HP)	5 HP	7.5 HP	7.5 HP	10 HP
Net Weight (Appr.)	870 kg	1160 kg	1360 kg	2720 kg
Gross Weight (Appr.)	970 kg	1310 kg	1510 kg	2920 kg
Machine Dimension (Appr.)	1050 x 760 x 1490	1180 x 760 x 1630	1380 x 760 x 1630	1755 x 1020 x 1865
Packing Dimension (Appr.)	1300 x 880 x 1750	1460 x 900 x 1880	1700 x 870 x 1950	2000 x 1140 x 2120

* : Optional Tooling

Note: Based on low carbon / mild steel material strength of 45kg / mm² tensile.
Design and specifications subject to change without notice.

SINGLE CYLINDER IRONWORKERS

Capacities and Specifications

Unit: mm

MODEL	IW-45M	IW-50A	IW-60H
PUNCHING			
Punching Force	45 Ton	50 Ton	60 Ton
Punch Capacity	ø22 x 15	ø20 x 18	ø28 x 15
(Diameter x Thickness)	ø40 x 8	ø40 x 9	ø40 x 11
Throat Depth	175	180	220
Maximum Stroke Length	35	42	55
Cycles / Min. (15mm stroke)	31	24	29
Working Height Up to Die	970	840	1000
ANGLE SHEARING			
At 90° Shearing	75 x 75 x 6	100 x 100 x 10	100 x 100 x 13
At 45° Miter Shearing	50 x 50 x 6	65 x 65 x 8	75 x 75 x 6
Working Height	1120	850	1236
FLAT SHEARING			
Flat Bar Shear	350 x 8	300 x 12	350 x 15
(Width x Thickness)	180 x 12	200 x 18	210 x 20
Blade Length	360	310	360
Angle Flange Trim	75	100	100
Working Height	970	1150	1006
BAR SHEARING			
Round Bar Shear	ø25	ø32	ø40
Square Bar Shear	25 x 25	30 x 30	38 x 38
Channel Shear (H x B)	--	75 x 40*	100 x 50*
Working Height	1190	880	1260
NOTCHING			
Rectangular Notcher (W x D x T)	--	50.8 x 90 x 7	50.8 x 90 x 8
Vee-Notcher (Side x Side x T)	--	90 x 90 x 8*	90 x 90 x 10*
Working Height	--	1150	1006
SPECIAL TOOLING			
Single Vee Press Brake (W x T)	160 x 6*	160 x 8*	160 x 8*
Multi Vee Press Brake (W x T)	--	250 x 6*	--
Angle Bending	--	65 x 65 x 8*	65 x 65 x 8*
OTHER			
Electric Power (HP)	5HP	5HP	7.5HP
Net Weight (Appr.)	790 kg	1060 kg	1390 kg
Gross Weight (Appr.)	890 kg	1170 kg	1530 kg
Machine Dimension (Appr.)(LxWxH)	1260 x 700 x 1350	1310 x 770 x 1450	1460 x 770 x 1560
Packing Dimension (Appr.)(LxWxH)	1480 x 820 x 1570	1550 x 900 x 1700	1680 x 900 x 1780

* : Optional Tooling

Note: Based on low carbon / mild steel material strength of 45kg / mm² tensile.

Design and specifications subject to change without notice.

A 1-hole die holder and a 2-piece gauging table are provided as standard equipment on all single cylinder models.

S/SD SERIES

Double Cylinder Models

The double cylinder "S/SD" series are in the Sunrise tradition of well engineered ironworkers built for high power, quality, and reliability. These ironworkers have two control foot pedals, and separate operations can be safely performed simultaneously. The low pressure setting for tool change provides maximum operation safety. The long punching cylinder stroke and deep throat enable mounting a wide range of special equipment. The large punching base with the "T-slot" mounting provides a solid base for securing the punching tooling, as well as a wide range of optional and custom designed tooling.



IW-100S

Capacities and Specifications

Unit: mm

MODEL	IW-60S IW-60SD	IW-80S IW-80SD	IW-100S IW-100SD	IW-125S IW-125SD	IW-165SD
PUNCHING					
Punching Force	60 Ton	80 Ton	100 Ton	125 Ton	165 Ton
Punch Capacity	ø22 x 20	ø26 x 22	ø28 x 26	ø33 x 27	ø37 x 32
(Diameter x Thickness)	ø50 x 9	ø50 x 12	ø50 x 15	ø50 x 18	ø50 x 24
Throat Depth	S: 310	310	310	310	--
	SD: 510	510	510	510	510
Maximum Stroke Length	100	100	100	100	100
Cycles / Min. (20mm stroke)	30	29	28	28	29
Working Height Up to Die	1010	1050	1044	1069	1050
ANGLE SHEARING					
At 90° Shearing	130 x 130 x 12	150 x 150 x 12	150 x 150 x 15	150 x 150 x 15	200 x 200 x 20
At 45° Miter Shearing	65 x 65 x 8	75 x 75 x 9	75 x 75 x 9	75 x 75 x 9	75 x 75 x 9
Working Height	1115	1165	1216	1185	1185
FLAT SHEARING					
Flat Bar Shear	350 x 15	460 x 15	610 x 16	610 x 18	760 x 20
(Width x Thickness)	240 x 20	300 x 20	400 x 20	400 x 25	400 x 30
Blade Length	360	465	620	620	770
Angle Flange Trim	100	100	100	100	120
Working Height	910	926	954	920	920
BAR SHEARING					
Round Bar Shear	ø40	ø45	ø45	ø50	ø60
Square Bar Shear	38 x 38	45 x 45	45 x 45	50 x 50	60 x 60
Channel Shear (H x B)	125 x 65*	150 x 75*	150 x 75*	150 x 75*	200 x 90*
I Beam Shear (H x B)	--	150 x 75*	150 x 75*	150 x 75*	200 x 100*
Working Height	1220	1270	1332	1310	1370
NOTCHING					
Rectangular Notcher (W x D x T)	50.8 x 90 x 9	50.8 x 90 x 12	63.5 x 90 x 12	63.5 x 90 x 13	63.5 x 90 x 16
Vee-Notcher (Side x Side x T)	90 x 90 x 10*	90 x 90 x 12*	105 x 105 x 12*	105 x 105 x 13*	105 x 105 x 16*
Working Height	910	926	954	920	920
SPECIAL TOOLING					
Large Vee-Notcher (Side x Side x T)	145 x 145 x 8*	145 x 145 x 10*	145 x 145 x 12*	145 x 145 x 12*	145 x 145 x 12*
Single Vee Press Brake (W x T)	250 x 12*	250 x 12*	250 x 15*	250 x 20*	250 x 20*
Multi Vee Press Brake (W x T)	500 x 5*	500 x 5*	700 x 5*	700 x 5*	700 x 5*
Angle Bending	100 x 100 x 7*	100 x 100 x 7*	100 x 100 x 13*	100 x 100 x 13*	100 x 100 x 13*
Pipe Notching	ø100*	ø100*	ø100*	ø100*	ø100*
OTHER					
Electric Power (HP)	7.5 HP	10 HP	10 HP	15 HP	20HP
Net Weight (Appr.)	S: 1780 kg	2120 kg	2880 kg	3300 kg	--
	SD: 2060 kg	2550 kg	3340 kg	3900 kg	5180 kg
Gross Weight (Appr.)	S: 1890 kg	2250 kg	3050 kg	3530 kg	--
	SD: 2230 kg	2760 kg	3600 kg	4160 kg	5480 kg
Machine Dimension (Appr.)	S: 1700 x 800 x 1710	1830x820x1760	2100x860x1810	2170x1030x1850	--
(LxWxH)	SD: 2070 x 800 x 1710	2220x820x1730	2460x860x1810	2490x1030x1850	2710x1070x2010
Packing Dimension (Appr.)	S: 1930 x 900 x 1940	2070x940x1960	2350x950x2100	2430x1150x2070	--
(LxWxH)	SD: 2290 x 900 x 1950	2450x960x1985	2700x1000x2060	2730x1150x2100	2940x1210x2270

* : Optional Tooling

Note: Based on low carbon / mild steel material strength of 45kg / mm² tensile.

Design and specifications subject to change without notice.

A 2-hole overhang die holder and a 2-piece gauging table are provided as standard equipment on all dual cylinder ironworkers.

PM SERIES

Hydraulic Punching Machine

- The patented dual-piston hydraulic cylinder enables the machine to retract faster, and also makes our cylinder slimmer, which brings a better appearance to the machine.
- Punching machines ranging from 35 to 200 tons of punching capacities, combined with different throat depths to choose from, provides a complete range of models to meet our customer's wide range of requirements.
- All optional tooling used on the punching station of S/SD ironworkers can also be used on the PM models, turning the punching machine into a universal machine.



PM-55LT



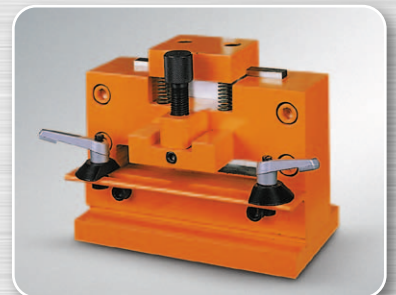
*Bar shearing.



*Channel shearing.



*Angle shearing.



*Flat bar shearing.



*Rectangular notcher.

Capacities and Specifications

Unit: mm

MODEL		PM-35T PM-35LT PM-35XT	PM-55T PM-55LT PM-55XT	PM-80T PM-80LT PM-80XT	PM-120LT PM-120XT	PM-160LT PM-160XT	PM-200LT PM-200XT
PUNCHING							
Punching Force		35 Ton	55 Ton	80 Ton	120 Ton	160 Ton	200 Ton
Punch Capacity		ø18 x 14	ø22 x 18	ø25 x 23	ø32 x 27	ø36 x 32	ø41 x 35
(Diameter x Thickness)		ø50 x 5	ø50 x 8	ø50 x 12	ø50 x 17	ø50 x 23	ø50 x 29
Throat Depth	T:	310	310	310	--	--	--
	LT:	510	510	510	510	510	510
	XT:	760	760	760	760	760	760
Maximum Stroke Length		100	100	100	100	100	100
Cycles/Min. (20mm stroke)		41	28	28	26	27	28
Table Size (W x D)	T:	700 x 500	700 x 500	700 x 500	--	--	--
	LT:	700 x 700	700 x 700	700 x 700	700 x 700	700 x 700	700 x 700
	XT:	700 x 950	700 x 950	700 x 950	700 x 950	700 x 950	700 x 950
Working Height Up to Die		1050	1050	1050	1050	1050	1050
OPTIONAL TOOLING							
Largest Hole*		ø160 x 2	ø160 x 3	ø160 x 4	ø160 x 5	ø160 x 6.5	ø160 x 8
Single Vee Press Brake (W x T)*		250 x 12	250 x 12	250 x 12	250 x 20	250 x 20	250 x 20
Multi Vee Press Brake (W x T)*		500 x 3	500 x 5	500 x 5	700 x 5	700 x 5	700 x 5
Angle Bending*		65 x 65 x 8	75 x 75 x 6	100 x 100 x 7	100 x 100 x 13	100 x 100 x 13	100 x 100 x 13
Rectangular Notcher (WxDxT)*		63.5 x 90 x 5	63.5 x 90 x 6	63.5 x 90 x 8	63.5 x 90 x 10	63.5 x 90 x 10	63.5 x 90 x 10
Vee Notcher (Side x Side x T)*		145 x 145 x 4	145 x 145 x 6	145 x 145 x 10	145 x 145 x 12	145 x 145 x 12	145 x 145 x 12
Pipe Notcher (Max diameter)*		ø100	ø100	ø100	ø100	ø100	ø100
Flat Bar Shearing*		175 x 5	175 x 7	175 x 10	175 x 14	175 x 14	175 x 14
Angle Shearing*		65 x 65 x 8	75 x 75 x 6	100 x 100 x 7	100 x 100 x 13	100 x 100 x 13	100 x 100 x 13
Round Bar Shearing*		ø28	ø32	ø32	ø32	ø32	ø32
Square Bar Shearing*		28 x 28	32 x 32	32 x 32	32 x 32	32 x 32	32 x 32
Channel Shearing (H x B)*		--	100 x 50	100 x 50	100 x 50	100 x 50	100 x 50
OTHER							
Electric Power		5 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP
Net Weight (Appr.)	T:	1160 kg	1390 kg	1720 kg	--	--	--
	LT:	1450 kg	1750 kg	2080 kg	2950 kg	3640 kg	4780 kg
	XT:	1810 kg	2450 kg	2800 kg	4380 kg	4700 kg	5720 kg
Gross Weight (Appr.)	T:	1300 kg	1540 kg	1870 kg	--	--	--
	LT:	1610 kg	1920 kg	2260 kg	3140 kg	3900 kg	5100 kg
	XT:	1980 kg	2630 kg	3000 kg	4600 kg	5060 kg	6150 kg
Machine Dimension (Appr.)	T:	1090x820x1770	1160x820x1960	1280x865x1980	--	--	--
(L x W x H)	LT:	1420x820x1795	1520x820x1960	1620x865x1980	1720x970x2035	1870x1040x2070	1975x1065x2095
	XT:	1820x820x1815	1920x820x1960	2045x865x1980	2170x940x2035	2370x1040x2135	2475x1065x2175
Packing Dimension (Appr.)	T:	1330x940x2000	1400x940x2200	1530x1000x2200	--	--	--
(L x W x H)	LT:	1650x950x2020	1770x940x2200	1870x990x2205	1980x1060x2290	2080x1150x2280	2150x1400x2400
	XT:	2060x980x2100	2180x950x2200	2250x1000x2270	2440x1220x2250	2630x1160x2420	2515x1395x2360

* : Optional Tooling

Note: Based on low carbon / mild steel material strength of 45kg / mm² tensile.

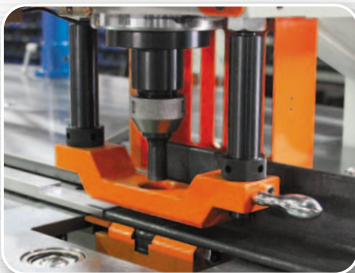
Design and specifications subject to change without notice.

A 2-hole overhang die holder and a 2-piece gauging table are provided as standard equipment on all punching machines.

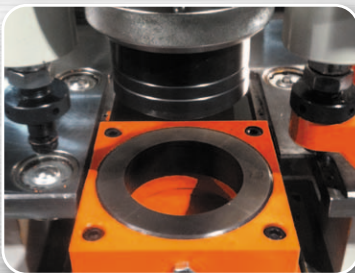
Semi-Automatic

- Preview function before executing program
- Four pre-programmed patterns: Line, Array, Arc, and Custom
- Spotting function using low pressure mode
- Maximum table travel speed: 10m/min

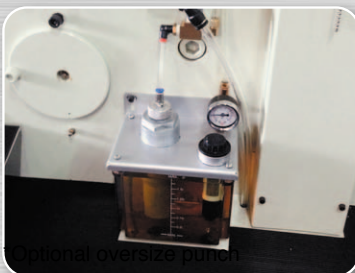
The semi-automatic CNC positioning tables from SUNRISE are plate, angle and channel positioning systems with simple user-friendly interfaces. The CNC positioning table is available as a factory-installed option on Dual-Cylinder Ironworker or Punching Machine with a 510mm or larger throat depth. The operation is CNC controlled using a pendant mounted controller featuring easy programming and a virtually indestructible design. The operator simply positions the plate against the CNC-controlled X and Y stops and initiates the punch sequence. Ideal for base plates, connection plates, angles, channels and more.



*Optional angle leg up stripper



*Optional oversized punch



*Auto lubrication system with adjustable frequency and oil amount for longer tool life.



*Oil cooling system

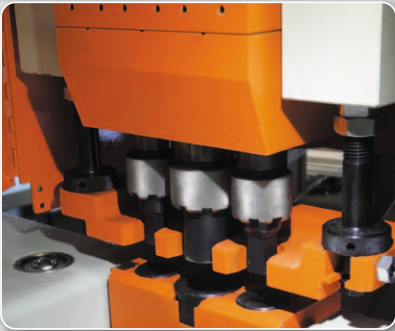


IWNC-165SD
1000x400mm Semi-Automatic Table

*Optional upgrade on semi-auto table

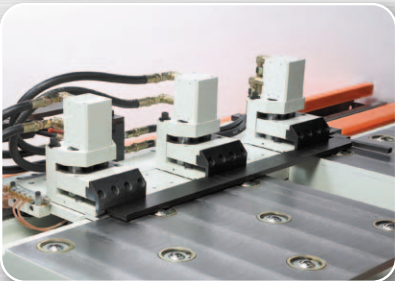
Fully-Automatic

Fully-automatic CNC systems from SUNRISE deliver highly efficient and accurate positioning that will improve your productivity. The controller is easy to learn and operate, so you can begin operations almost immediately. Hydraulic clamps come with a pressure sensor for a strong grip on the material, and come standard on Sunrise automatic CNC tables. Moreover, the included hydraulic stripper comes with exchangeable plates to suit a variety of punching operations. Ball transfer units on the support table provide smooth material movement, and the cover is complete with an interlock switch for ensured operator safety.



Optional Multi-Tool System:

- Standard punches and dies used on multi-tool system
- Each punch is individually controlled by pneumatic cylinders
- Tooling size and shape shown in preview screen



Operate in semi-automatic mode with use of gauging piece allows punching holes near the edge of the material. (Fully Automatic models only)



*Hydraulic stripper to reduce material deformation is standard equipment.



PM-80LT-CNC
1000x500mm Fully-Automatic Table

CNC Feeding Systems

The new line of Sunrise CNC positioning and feeding system uses a heavily proportioned machined structural steel tube that provides unmatched rigidity and quality, yet offers simple set-up, adjustment and maintenance.

The ANC combines a punching machine with a single-axis in-feed system for punching flat bar, angle and channel webs. The APS automatic punch and shear combines a punching machine with a shearing machine and a CNC in-feed system for punching and shearing flat bars in one fully automatic operation.

The ALS angle line system is specially designed for high volume angle processing, with either single or dual punches per leg, and stamping station included.

Both APS and ALS main stations comes in one unit with fully enclosed covers, providing not just visual attractiveness, but also ease of machine installation and operator protection.

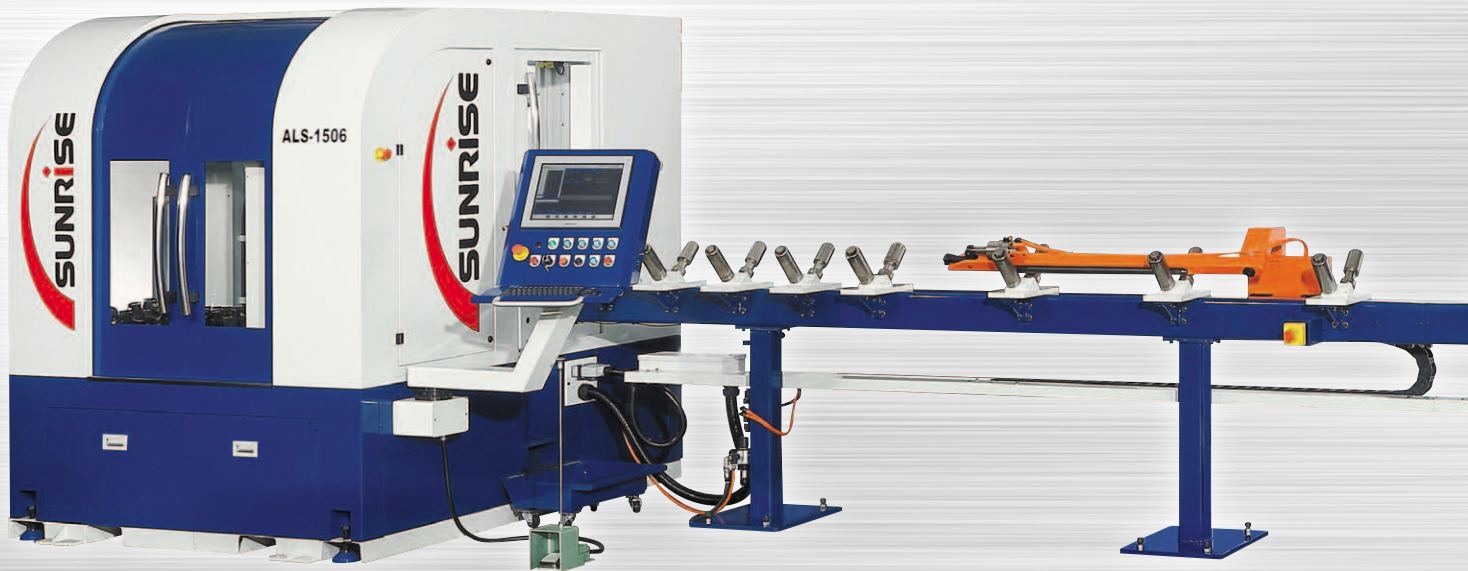
Optional light curtain and fence enclosure are also available for unparalleled safety standard for the operator.



APS-30080M Automatic Punch and Shear system

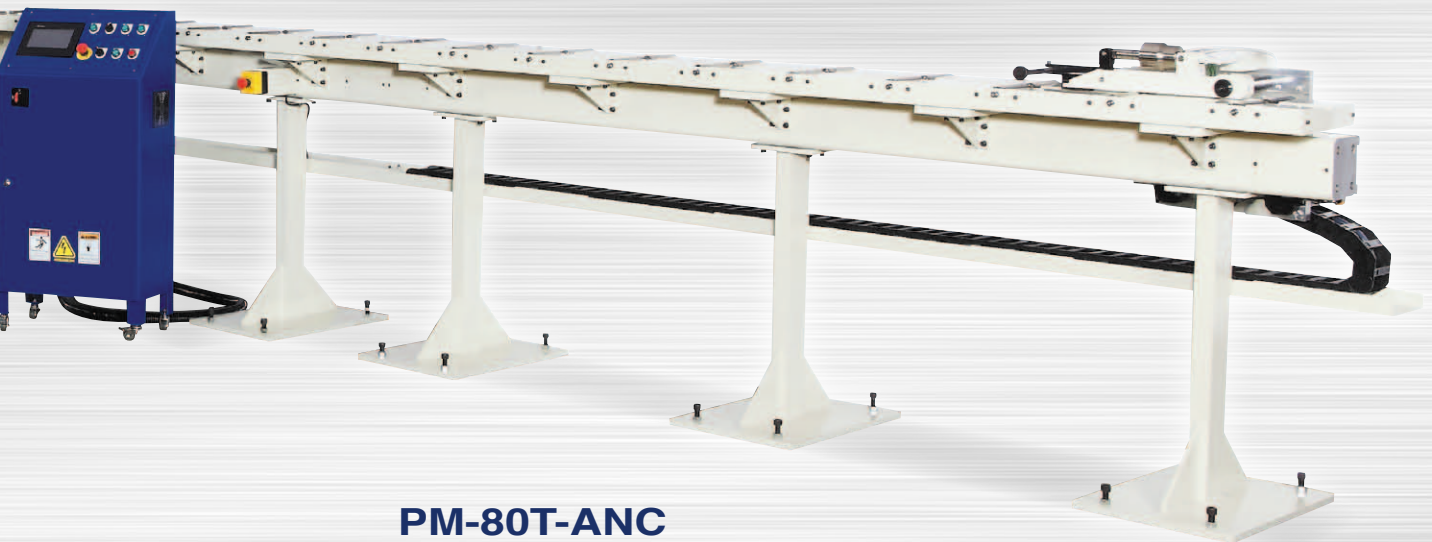
- Max. material: 300x18x6000mm
- Feeding speed: 12m/min
- Accuracy: ± 0.5 mm per meter
- Clamps for both X and Y directions
- Anti-twist shearing support
- Fully covered with interlock for safety
- 30-40-30 Multi-tool system for max. $\varnothing 40$ mm holes.





ALS-1506D Angle Line System

- Process 2" ~ 6" angle
- Process 2" ~ 6" flat bar at max. 12mm thickness.
- 6m feeding system standard, optional to 12m
- Max. hole: Ø40 x 12mm
- Stamping station included
- Nexcom PC based controller with 15" touch screen
- Minimum Scrap: 150mm



PM-80T-ANC Single Axis Angle NC Feeding System

- X-Axis travel length: 6m
- Angle size range: 2"~8" (require special punching accessories)
- X-Axis positioning speed: 12m/min
- X-Axis accuracy: ± 0.5 mm per meter (material condition may effect actual punched holes)
- Punches per minute: up to 28 (at 20mm stroke)

IW-165SD with dual CNC positioning systems

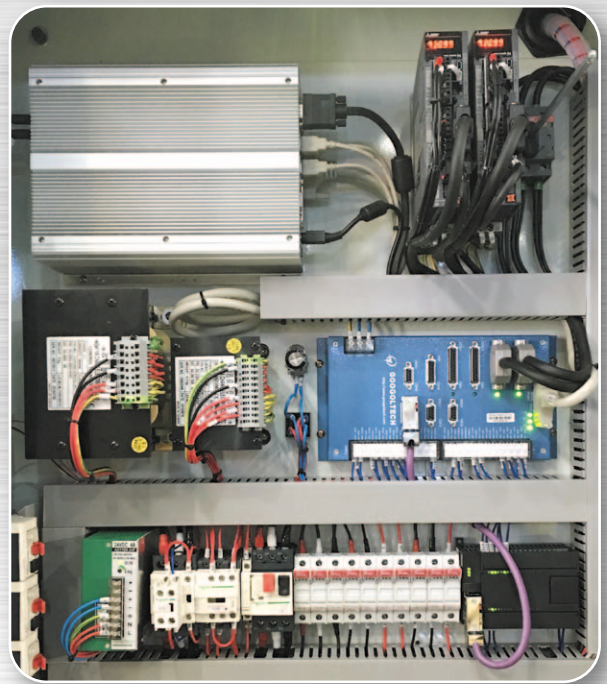
- Semi-automatic 3000x400mm table with Nexcom PC based controller for punching station.
- CNC feeding table with Omron PLC based controller for flat bar shear station.
- Hydraulic stripper, hydraulic angle shear holddown, and hydraulic holddown for flat bar shear.
- Very user friendly interface for easy operation.
- Oil cooling system.
- Tool lubrication system.



PC Based Controller



- 15" touch screen
- Windows 7 Embedded
- USB and Ethernet ports for flexible connectivity
- Direct ACAD.dxf file import
- Real time graphic preview and scaling
- Tool base for tooling management
- Punching sequence editing



- Nexcom industrial grade fanless PC
- i7 CPU/2G DDR3/128G SSD HDD



**SUNRISE
Fluid Power Inc.**

No. 7, Road 12, Industrial Zone,
Taichung City 407, Taiwan
TEL: 886-4-2359-1190
FAX: 886-4-2359-3409
www.sunriseiw.com
sales@sunriseiw.com.tw

AGENT :



631EG428 2018.9