

SHANGHAI KINGDOM INTERNATIONAL TRADE CO., LTD.

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JINGJIANG AOKE MACHINERY MANUFACTURING CO., LTD.

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BROCHURE



MANUFACTURER OF MODERN EQUIPMENTS FOR MACHINERY INDUSTRY

SHANGHAI KINGDOM MACHINERY CO., LTD.

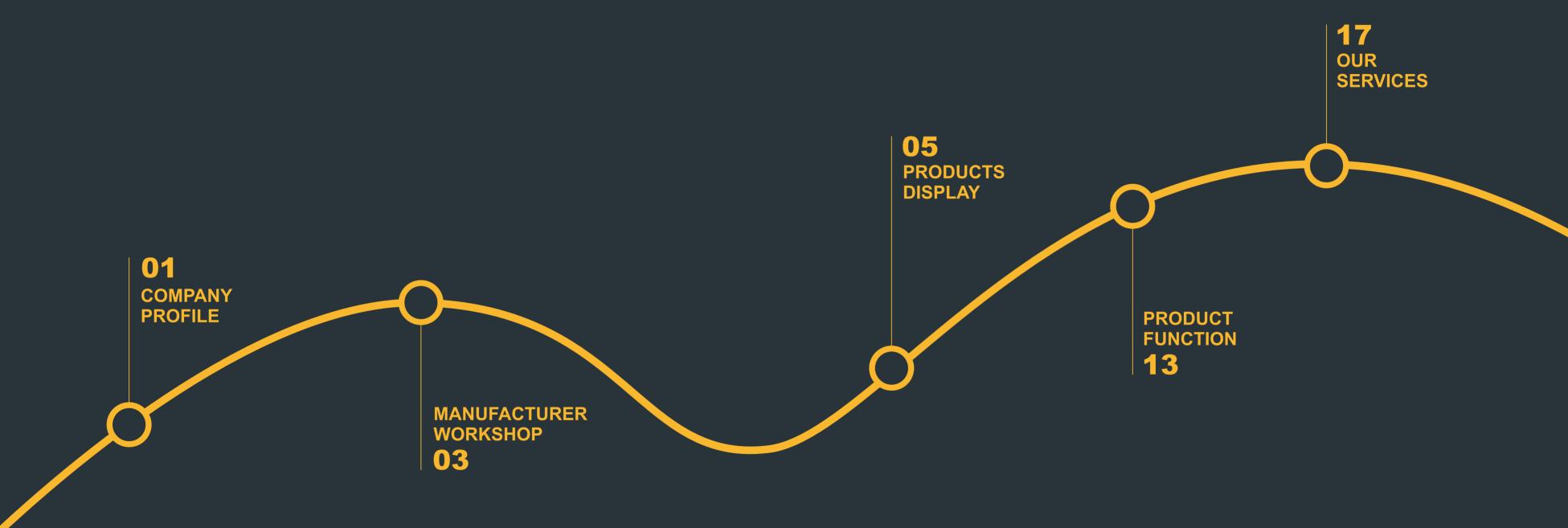


KINGDOM products have landed in worldwide regions and countries! We are looking forward to cooperating with you in the very near future.



HYDRAULIC PUNCHING MACHINE Q35YC SERIES

CONTENTS





COMPANY PROFILE

TO THE WORLD WITH A STRONG SQUAD

Shanghai Kingdom Machinery Co., Ltd. (SKMC), with the merit of being adjacent to Shanghai International Financial Center and Shanghai International Shipping Center, aims at providing highly efficient metal processing solutions through our local factory (AOKE) in China. Products from SKMC include hydraulic ironworkers, punching machines, bending machines, cranes et al., which have strong customer base and excellent evaluation from customers in Asia, Africa and Latin America.

SKMC has developed long-term cooperation with a number of universities and research institutes in China. SKMC has worldclass teams for R&D and services. Most R&D team members have Ph.D. degree or M.S. degree in top universities in China. Team members are proficient in mechanical design, manufacturing and energy saving. SKMC can provide customized solutions, including product design, function optimization and cost reduction, according to customers' needs. The purpose of our work is to improve customers' production efficiency. Our excellent design capabilities enable our products leading in industry. Our elite teams can provide customers with professional, customized, and all-round services around the clock.

By believing the philosophy of "dedicated to increasing your efficiency" and having elite teams in R&D and services, we would like to cooperate with elites from all over the world, provide world class facilities for our customers and promote the development of foreign trade together.















MANUFACTURER WORKSHOP

"To do a good job, must first sharpen his device", Advanced Technology and Professional Equipment are the two essential elements in the manufacturing process. The high quality of AOKE products is guaranteed through the production of equipment with high precision.











KINGDOM Hydraulic Ironworkers are designed with special high speed hydraulics which allows for a higher productivity, save more on labor force, and an even lower cost. Our modern manufacturing methods guarantee a

longer lifetime and better efficiency. Our more advanced hydraulic system puts your safety as a priority. Not only it is safer, but also can do the following tasks with high efficiency: Punch, Angle Shear, Flat Shear, Round/Square Bar Shear, Rec. Notch, V-Notch, Channel Shear, I-Beam Shear, T-Bar Shear, Press Brake, Angle Bending and Pipe Notching. It also has an intelligent back gauge which allows you to work with an improved accuracy.

Optional tooling

- Automatic holding system can be chosen for Flat Bar Shear Station and Angel Shear Station
 Automatic oil cooling system
 Max.500/750mm throat depth for punching station

- CNC positioning system

MANUFACTURER OF MODERN EQUIPMENTS FOR MACHINERY INDUSTRY

TECHNICAL PARAMETERS

H	DRAULIC IRONWORKER Q3	5Y SERIES	Q35Y-16	Q35Y-20	Q35Y-25	Q35Y-30	Q35Y-40	Q35Y-50
PUNCHING	Pressure (KN)		650	900	1200	1600	2000	2500
	Throat Depth (mm)		300	355	400	600	600	600
	Max. Stroke Length		80	80	80	80	80	80
	Cycles / Min. (20mm stroke)		28	28	26	25	24	22
	Punch capacity		25 x 16	30 x 20	35 x 25	38 x 30	40 x 35	40 x 40
	(Diameter x thickness) (mm)		50 x 8	50 x 12	50 x 18	50 x 24	50 x28	50 x 32
	Working Height Up to Die		960	970	1065	1170	1215	1245
	Flat Bar Shearing		250x16	330x20	330x25	330x30	400 x 35	400 x 40
FLAT SHEARING	(Width x Thickness) (mm)		400x8	480x10	600x16	600x20	700 x 25	750 x 30
	Blade Length		410	485	605	605	710	760
OTILARINO	Angle Flange Trim		125	140	160	180	200	200
	Working Height		860	890	900	950	935	950
	Angle steel shear (90°) (mm)		125 x 125 x 12	140 x 140 x 12	160 x 160 x 14	180 x 180 x 16	200 x 200 x 18	200 x 200 x 20
ANGLE SHEAR	Angle steel shear (45°) (mm)		50 x 50 x 5	50 x 50 x 5	60 x 60 x 6	60 x 60 x 6	100 x 100 x 10	120 x 120 x 10
	Working Height		1095	1100	1210	1260	1360	1460
BAR SHEAR	Round/square bar shear (mm)		45/40	50/50	60/50	65/55	70/60	80/65
	Channel steel (mm)*		126 x 53 x 5.5	160 x 60 x 6.5	210 x 75 x 9	280 x 86 x 11.5	300 x 89 x 12	320 x 92 x 12
	I beam steel (mm)*		126 x 74 x 5	160 x 86 x 6	200 x 102 x 9	280 x 124 x 10.5	300 x 126 x 11	320 x 130 x 10
	Working Height		1210	1220	1260	1470	1510	1550
	Rectangular Notcher (W x D x T)		57 x 100 x 10	57 x 100 x 13	57 x 100 x 14	60 x 100 x 16	60 x 100 x 18	60 x 100 x 20
NOTCHING	Vee-Notcher (Side x Side x T)*		95 x 95 x 10	100 x 100 x 12	105 x 105 x 13	105 x 105 x 16	105 x 105 x 18	105 x 105 x 20
	Large V-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 13	145 x 145 x 15	145 x 145 x 18
	Working Height		910	900	860	965	950	975
SPECIAL TOOLS	Single Vee Press Brake (W x T)*		250 x 15	250 x 18	250 x 20	250 x 20	250 x 22	250 x 24
	Multi Vee Press Brake (W x T)*		500 x 5	500 x 5	600 x 5	700 x 5	700 x 8	700 x 8
	Pipe Notching For Joint*		ø100	ø100	ø100	ø100	ø100	ø100
OTHERS	Machine Dimension (L x W x H) (mm)		1650x800x1800	1830x900x1830	2200x1100x2000	2600x1050x2300	2900x1300x2400	3000x1440x2450
	Electric Power (KW)		4	5.5	7.5	11	15	18
	NET Weight (Kgs)		1600	2300	3800	6300	8800	12800

Unit: mm *Optional tools Gross Weight and Packing Dimension depend on customers' needs.

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

HYDRAULIC

IRONWORKER Q35Y SERIES



DUAL WORK HYDRAULIC IRONWORKER Q35YS SERIES

Q35YS series ironworkers adopt the special dual work pump with the two foot paddles. It allows the punch station and shear stations to be used simultaneously, which further improves the work efficiency. Automatic oil cooling system is the standard configuration for Q35YS series. The optimized hydraulic system makes the stability of our machines higher than other suppliers in China.

- Optional tooling

 Automatic holding system can be chosen for Flat Bar Shear Station and Angel Shear Station

 Max.500/750mm throat depth for punching station

 CNC positioning system

MANUFACTURER OF MODERN EQUIPMENTS FOR MACHINERY INDUSTRY

TECHNICAL PARAMETERS

DUAL WO	RK HYDRAULIC IRONWORK	ER Q35YS SERIES	Q35YS-16	Q35YS-20	Q35YS-25	Q35YS-30	Q35YS-40	Q35YS-50
	Pressure (KN)		650	900	1200	1600	2000	2500
	Throat Depth (mm)		300	355	400	600	600	600
	Max. Stroke Length	110	80	80	80	80	80	80
PUNCHING	Cycles / Min. (20mm stroke)	Dr. (1)	28	28	26	25	24	22
	Punch capacity		25 x 16	30 x 20	35 x 25	38 x 30	40 x 35	40 x 40
	(Diameter x thickness) (mm)		50 x 8	50 x 12	50 x 18	50 x 24	50 x28	50 x 32
	Working Height Up to Die		960	970	1065	1170	1215	1245
	Flat Bar Shearing		250x16	330x20	330x25	330x30	400 x 35	400 x 40
	(Width x Thickness) (mm)		400x8	480x10	600x16	600x20	700 x 25	750 x 30
FLAT SHEARING	Blade Length		410	485	605	605	710	760
5/12/ titule	Angle Flange Trim		125	140	160	180	200	200
	Working Height		860	890	900	950	935	950
	Angle steel shear (90°) (mm)	4 —	125 x 125 x 12	140 x 140 x 12	160 x 160 x 14	180 x 180 x 16	200 x 200 x 18	200 x 200 x 20
ANGLE SHEAR	Angle steel shear (45°) (mm)		50 x 50 x 5	50 x 50 x 5	60 x 60 x 6	60 x 60 x 6	100 x 100 x 10	120 x 120 x 1
OHEAR	Working Height		1095	1100	1210	1260	1360	1460
	Round/square bar shear (mm)	11	45/40	50/50	60/50	65/55	70/60	80/65
BAR SHEAR	Channel steel (mm)*	11	126 x 53 x 5.5	160 x 60 x 6.5	210 x 75 x 9	280 x 86 x 11.5	300 x 89 x 12	320 x 92 x 12
	I beam steel (mm)*	W 19	126 x 74 x 5	160 x 86 x 6	200 x 102 x 9	280 x 124 x 10.5	300 x 126 x 11	320 x 130 x 10
	Working Height		1210	1220	1260	1470	1510	1550
	Rectangular Notcher (W x D x T)		57 x 100 x 10	57 x 100 x 13	57 x 100 x 14	60 x 100 x 16	60 x 100 x 18	60 x 100 x 20
	Vee-Notcher (Side x Side x T)*		95 x 95 x 10	100 x 100 x 12	105 x 105 x 13	105 x 105 x 16	105 x 105 x 18	105 x 105 x 20
NOTCHING	Large V-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 13	145 x 145 x 15	145 x 145 x 18
	Working Height		910	900	860	965	950	975
	Single Vee Press Brake (W x T)*		250 x 15	250 x 18	250 x 20	250 x 20	250 x 22	250 x 24
SPECIAL TOOLS	Multi Vee Press Brake (W x T)*		500 x 5	500 x 5	600 x 5	700 x 5	700 x 8	700 x 8
10020	Pipe Notching For Joint*		ø100	ø100	ø100	ø100	ø100	ø100
OTHERS	Machine Dimension (L x W x H) (mm)		1650x800x1800	1830x900x1830	2200x1100x2000	2600x1050x2300	2900x1300x2400	3000x1440x24
	Electric Power (KW)		4	5.5	7.5	11	15	18
	NET Weight (Kgs)		1700	2400	3900	6800	9400	13600
REMARK	Dual work pump	Standard equipment	√	√	√	√	V	V
	Automatic oil cooling system	for Q35YS	V	V	V	V	V	V

*Optional tools Gross Weight and Packing Dimension depend on customers' needs. Based on low carbon/mild steel material strength of 45kg/mm² tensile. Design and specifications subject to change without notice.







HYDRAULIC PUNCHING MACHINE Q35YC SERIES

> Q35YC Series punching machine are ranging from 65 tons to 250 tons of punching capacities, combined with different throat depths. It can do following punching with high-efficiency: Plate Punching, Angle Steel Punching, C-Channel Punching, I-beam Punching. The punching can be performed in round hole punching, square hole punching, oblong hole punching, slot hole punching and louver punching. With specific mold this machine can work as press machine or bending machine.

- Automatic oil cooling system
 Max.500/750mm throat depth for punching station
- CNC positioning system

TECHNICAL PARAMETERS

HYDRAULIC PUNCHING MACHINE Q35YC SERIES		Q35YC-16	Q35YC-20	Q35YC-25	Q35YC-30	Q35YC-40	Q35YC-50	
	Pressure (KN)		650	900	1200	1600	2000	2500
PUNCHING	Throat Depth (mm)		500	500	500	750	750	750
	Max. Stroke Length		80	80	80	80	80	80
	Cycles / Min. (20mm stroke)		28	28	26	25	24	22
	Punch capacity		25 x 16	30 x 20	35 x 25	38 x 30	40 x 35	40 x 40
	(Diameter x thickness) (mm)		50 x 8	50 x 12	50 x 18	50 x 24	50 x28	50 x 32
	Working Height Up to Die		960	970	1065	1170	1215	1245
	Rectangular Notcher (W x D x T)*		57 x 100 x 10	57 x 100 x 13	57 x 100 x 14	60 x 100 x 16	60 x 100 x 18	60 x 100 x 20
NOTCHING	Vee-Notcher (Side x Side x T)*		95 x 95 x 10	100 x 100 x 12	105 x 105 x 13	105 x 105 x 16	105 x 105 x 18	105 x 105 x 20
	Large V-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 13	145 x 145 x 15	145 x 145 x 18
	Single Vee Press Brake (W x T)*		250 x 15	250 x 18	250 x 20	250 x 20	250 x 22	250 x 24
SPECIAL TOOLS	Multi Vee Press Brake (W x T)*		500 x 5	500 x 5	600 x 5	700 x 5	700 x 8	700 x 8
	Pipe Notching For Joint*		ø100	ø100	ø100	ø100	ø100	ø100
OTHERS	Machine Dimension (L x W x H) (mm)		1300x730x1770	1500x800x1990	1600x960x2000	1700x1040x2300	1800x1080x2350	2000x1140x2450
	Electric Power (KW)		4	5.5	7.5	11	15	18
	NET Weight (Kgs)		1200	1600	2700	4200	4800	6200

*Optional tools

For Q35YC, notcher is the optional tooling to be installed at the punching station. Based on low carbon/mild steel material strength of 45kg/mm² tensile.
Gross Weight and Packing Dimension depend on customers' needs.
Design and specifications subject to change without notice.





DUAL WORK HYDRAULIC PUNCHING MACHINE Q35YCS SERIES

Q35YCS series punching machine adopt the special dual work pump with two punching oil cylinders. It allows the two punch stations to be used simultaneously. It doubles the efficiency of Q35YC series machines. Automatic oil cooling system is the standard configuration for Q35YCS series.

- Optional tooling

 Max.500/750mm throat depth for punching stations

 CNC positioning system

TECHNICAL PARAMETERS

DUAL WOR	K HYDRAULIC PUNCHING MAC	HINE Q35YCS SERIES	Q35YCS-16	Q35YCS-20	Q35YCS-25	Q35YCS-30	Q35YCS-40	Q35YCS-50
	Pressure (KN)		650	900	1200	1600	2000	2500
PUNCHING	Throat Depth (mm)		300	355	400	600	600	600
	Max. Stroke Length		80	80	80	80	80	80
	Cycles / Min. (20mm stroke)		28	28	26	25	24	22
	Punch capacity		25 x 16	30 x 20	35 x 25	38 x 30	40 x 35	40 x 40
	(Diameter x thickness) (mm)		50 x 8	50 x 12	50 x 18	50 x 24	50 x28	50 x 32
	Working Height Up to Die		960	970	1065	1170	1215	1245
	Rectangular Notcher (W x D x T)*		57 x 100 x 10	57 x 100 x 13	57 x 100 x 14	60 x 100 x 16	60 x 100 x 18	60 x 100 x 20
NOTCHING	Vee-Notcher (Side x Side x T)*		95 x 95 x 10	100 x 100 x 12	105 x 105 x 13	105 x 105 x 16	105 x 105 x 18	105 x 105 x 20
	Large V-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 13	145 x 145 x 15	145 x 145 x 18
	Single Vee Press Brake (W x T)*		250 x 15	250 x 18	250 x 20	250 x 20	250 x 22	250 x 24
SPECIAL TOOLS	Multi Vee Press Brake (W x T)*		500 x 5	500 x 5	600 x 5	700 x 5	700 x 8	700 x 8
	Pipe Notching For Joint*		ø100	ø100	ø100	ø100	ø100	ø100
OTHERS	Machine Dimension (L x W x H) (mm)		1650x800x1800	1830x900x1830	2200x1100x2000	2600x1050x2300	2900x1300x2400	3000x1440x2450
	Electric Power (KW)		4	5.5	7.5	11	15	18
	NET Weight (Kgs)		1800	2400	4100	6800	9400	13500
REMARK	Dual work pump	Standard equipment	√	√	1	√	V	V
	Automatic oil cooling system	for Q35YCS	V	V	1	V	V	V

Unit: mm

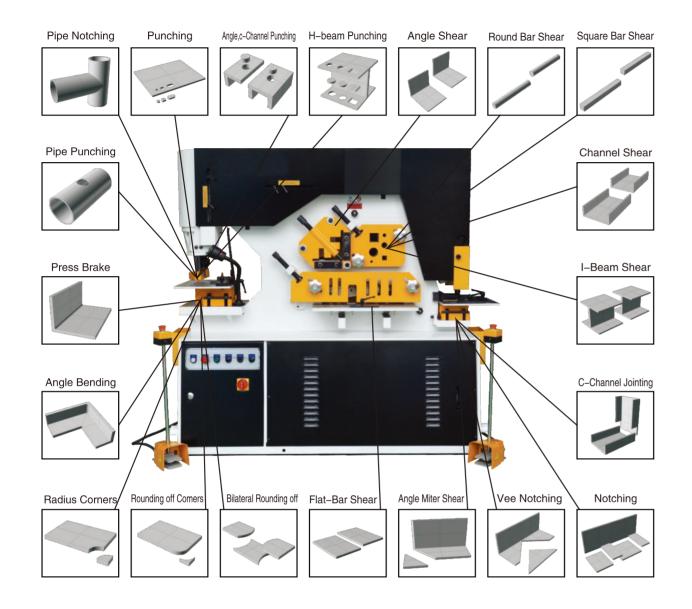
*Optional tools

For Q35YCS, notcher is the optional tooling to be installed at the punching station. Based on low carbon/mild steel material strength of 45kg/mm² tensile. Gross Weight and Packing Dimension depend on customers' needs.

Design and specifications subject to change without notice.





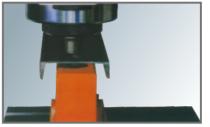


HYDRAULIC COMBINED PUNCHING **AND SHEARING MACHINE**

KINGDOM Hydraulic Ironworkers are featuring multiple functions, which includes: Punch, Angle Shear, Flat Shear, Round/Square Bar Shear, Rec. Notch, V-Notch, Channel Shear, I-beam Shear, T-bar Shear, Press Brake, Angle Bending and Pipe Notching. It can be widely used in Construction industry, Shipyard, Electric, Bridge, Automobile industry, Hoisting & Transportation, Communication tower and other machinery factories etc.



Overhang die holder for punching channel flanges and angles.



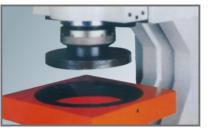
Single hole die holder for punching channel webs.



Multi vee press brake



Large vee-notcher (Punching station use)



Large hole punching

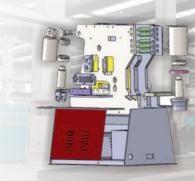


Pipe notcher

Name-brand hydraulic components

ensure excellent reliability of the

hydraulic system.





Flat Bar Shearing Station



One hold-down for various sizes of square bar and round bar shearing Optional channel and section bar shear tooling is available for most models



small or large angle steels

24V LVDC power for control system,

more secure and reliable

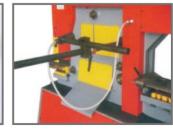
Single shear with no material wastage and minimal deformation 45° miter-cut is easy and tidy Static blades have four usable cutting edges Selectable corner radii on moving blades for optimum results on



Double punching on I/H beam flange



Channel steel blades



1m intelligent back gauge







KINGDOM CNC feeder uses welded heavy machined structural steel tube and profile steel. The annealing is adopted after welding to relief residual stress. It provides feeder unmatched rigidity and accuracy, yet offers simple set-up, adjustment and maintenance. Ball transfer units on the table provide smooth movement.

CNC systems from AOKE deliver high efficient and accurate positioning that will improve your productivity. The operator is easy to learn and operate, just enter the X and Y-axis co-ordinates and start it. There is no need to remember G codes, anyone can handle this controlling system easily. Free DNC software can be supplied with the operator, then he/she can link it to PC to save and download as many programmers as he/she wants.





The CNC feeder is available as a factory-installed option on any series Ironworker (Q35Y or Q35YS) or Punching Machine (Q35YC or Q35YCS) with a 500mm or larger throat depth.

Two-axis (X, Y) CNC controlled feeder is for punching station. It grips the flat work pieces, and then moves it to the desired position to punches all of the programmed holes.

Single-axis (X) CNC controlled feeder is for punching station; angle steel shear station; or profile steel shear station. It grips the linear work pieces, and then moves it to the desired position to punches all of the programmed holes or shears.

Working area:

- X-axis... ..according to your requirements.
- ..according to your requirements.
- Positioning accuracy......±0.1mm (X,Y) or ±0.5mm per meter.





SYSTEM



OUR SERVICES

Service Contents

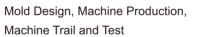
- 1 Prior Service
- 2 Further Service
- 3 After-sales Service
- 4 Supporting Service





PRIOR SERVICE

We can provide customized services as follow: mold solution; recommendation of the suitable model of machine; the confirmation of the voltage & frequency of power; and reliable package and transportation.



FURTHER SERVICE









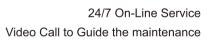


SUPPORTING SERVICE

Production guidance, Staff training Enhance and Deepen cooperation.



MANUFACTURER OF



AFTER-SALES SERVICE





