



METAL PROCESSING

SHAPING THE WORLD



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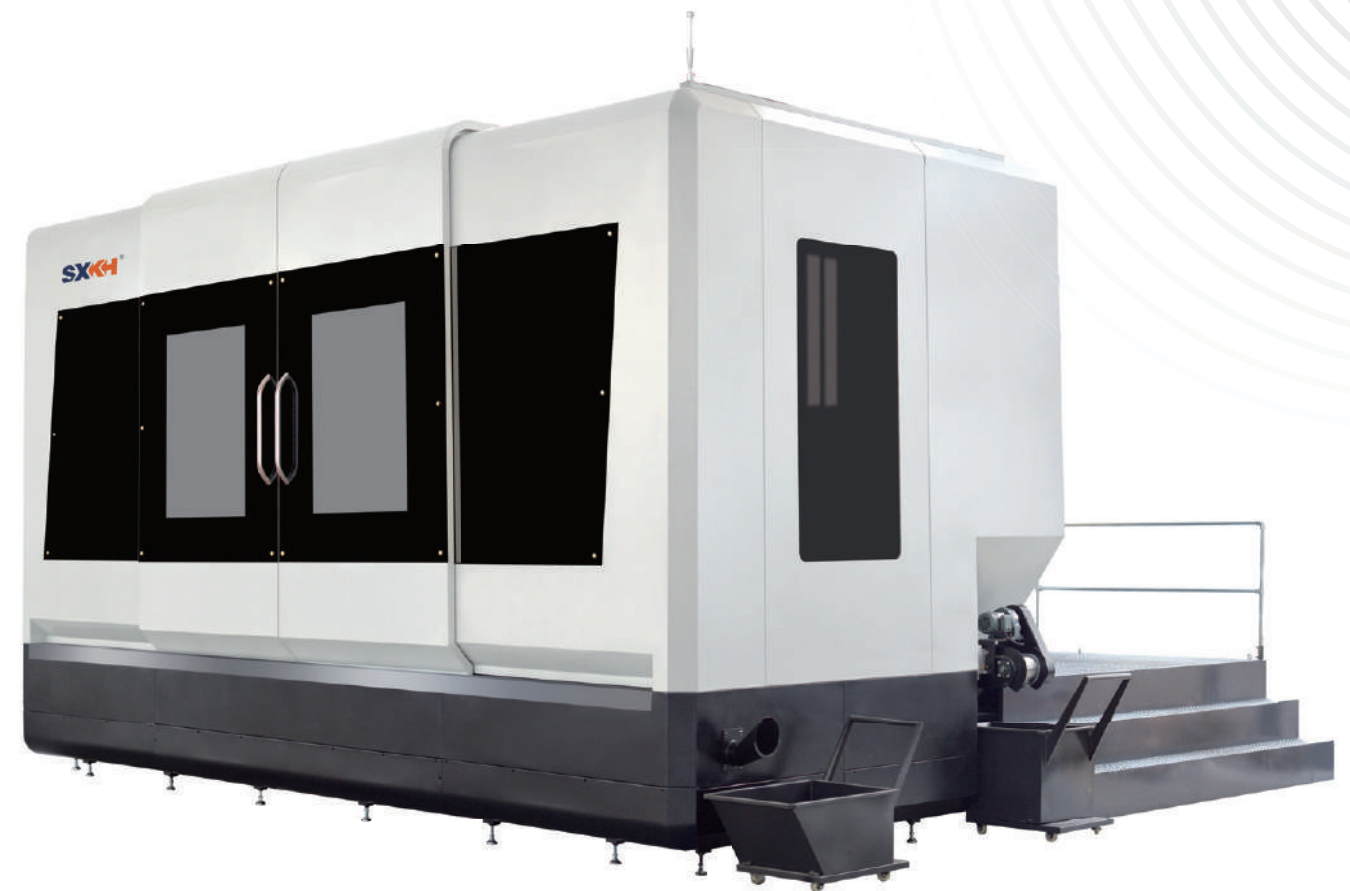
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We wish to have our presence across the world.
We also sincerely welcome new partners to join hands with SXXH
to help us reach out to global industries.



SXXH(Zhejiang)Machinery Co., Ltd.

Located in Ningbo, China, it is mainly engaged in designing, producing and selling Die Spotting Press, Mold Flipper, Mold Inspection Machine, Hydraulic Clamps and Electro-permanent Magnetic Chuck. Ningbo SXXH owns two plants in Ningbo with annual output of 200 sets of die spotting presses, which is one of the first domestic manufacturers of die spotting press.

Shanghai SXXH Automation CO., Ltd.

Located in Shanghai, China, it is mainly engaged in providing import service of High-end equipment from Europe and America to Chinese market, including installation and after-sales service. For instance: the six-axis machining center from Moldmak, Portugal, which is the world leading company in Milling & Drilling machine. Meanwhile, Shanghai SXXH also provides Chinese top-quality mold & tool processing equipment to global customers.

SXXH Automation India Private Limited

Located in New Delhi, India, it is responsible for all businesses in India market of SXXH Industry.

SXXH(HONG KONG)Industry Limited

Located in Hongkong, it is mainly engaged in the development of SXXH Industry business and industrial investment.

Ningbo Trans-Artisan Translation Co., Ltd.

As an independent language service enterprise under SXXH Global, it provides strong multi-language support for Chinese manufacturing enterprises to enter the international market.



Ningbo Headquarters



Ningbo Second Branch Factory



SXXH Mexico Company



SXXH Shanghai Global Service Center



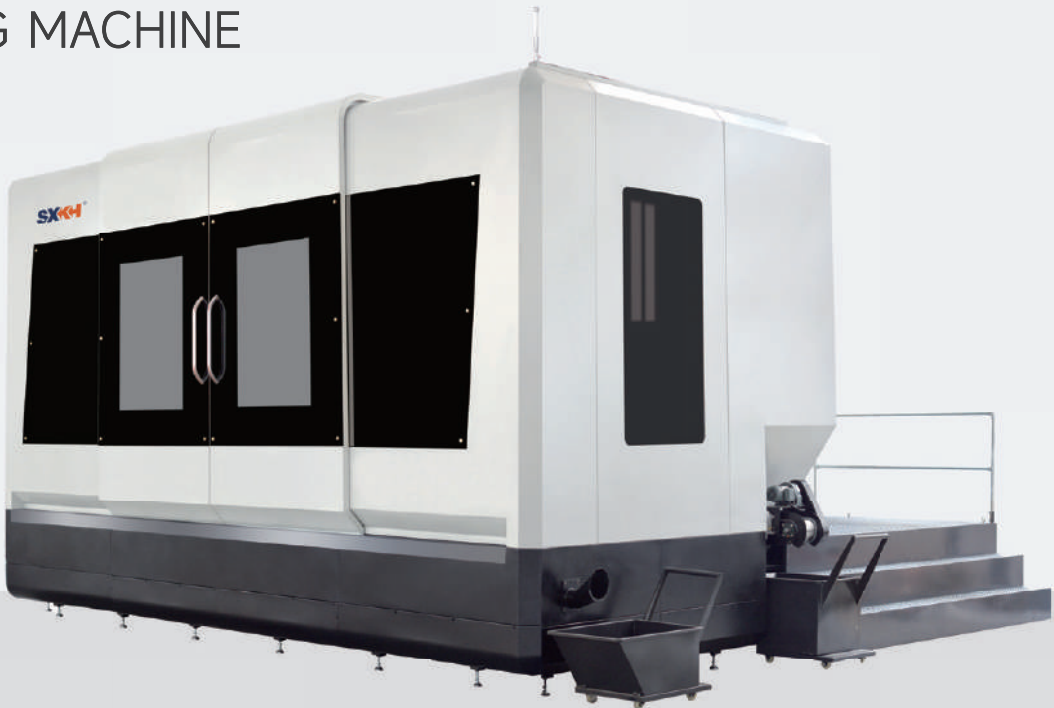
SXXH German Factory



SXXH India

SINGLE SPINDLE - FIVE AXIS

DEEP HOLE DRILLING & MILLING MACHINE



SXKH MAD Series are Horizontal Milling Machine with angular capacity & rotary table.

The main advantage comes from its multi-task capacity to do big millings, drilling, tapping and deep hole drilling. This allows to accomplish all mold’s milling and drilling needs in the six faces of the part with a convenient way .

The combination of a wide angular capacity with a rotary table, allows extreme flexibility to reach all usual milling constraint areas.



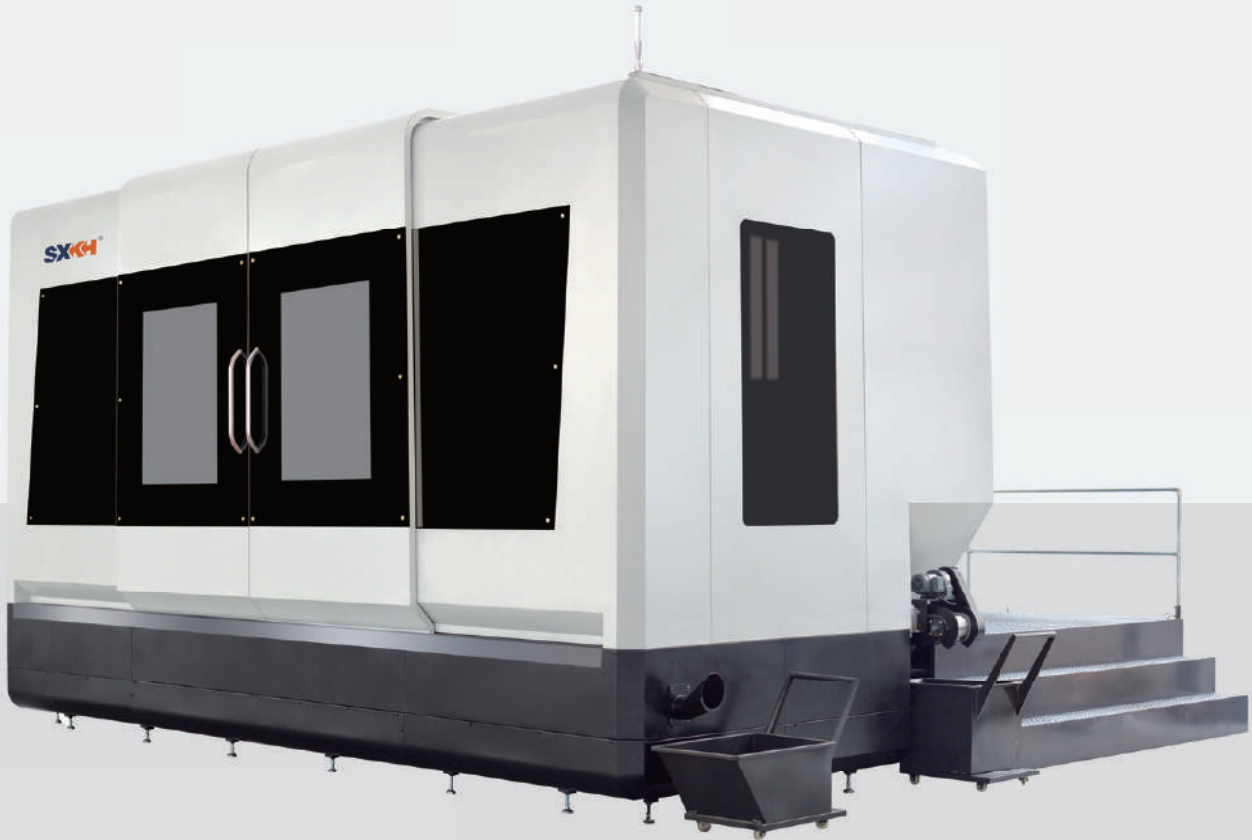
TECHNICAL SPECIFICATIONS OF FIVE AXIS CNC DEEP HOLE DRILLING & MILLING MACHINE

	ITEMS	MAD-1210S	MAD-1512S	MAD-2015S	MAD-2515S	MAD-3015S
CNC Axis Stroke	W Drilling One Stroke	1200 mm	1300 mm	1300 mm	1500 mm	1500 mm
	X Longitudinal Travel	1200 mm	1500 mm	2000 mm	2500 mm	3000 mm
	Y Vertical Travel	1000 mm	1200 mm	1500 mm	1500 mm	1500 mm
	Z Cross Travel	600 mm	800 mm	1000 mm	1000 mm	1200 mm
	B Table Rotation	360°	360°	360°	360°	360°
	A Tilting Rotation	+20°/-30°	+20°/-30°	+20°/-30°	+20°/-30°	+20°/-30°
Drilling Capacity	Drilling Capacity	Φ 4 - Φ 35 mm				
	Ejector Capacity	/	Φ 18 ~ Φ 65 mm			
	Max. Drilling Stroke	1000+300 mm	1300+300 mm	1300+400 mm	1500+500 mm	1500+800 mm
	Max. Ejector Stroke	/	1000 mm			
Milling Capacity	Max. Milling Cutting Capacity	283.5 cm³/min	472.5 cm³/min	472.5 cm³/min	472.5 cm³/min	472.5 cm³/min
	Rigid Tapping	M24	M30	M30	M30	M30
	Helical Threading	Standard	Standard	Standard	Standard	Standard
Spindle	Spindle Taper	BT40	BT50			
	Max. Speed of Spindle	6000 rpm	6000 rpm	6000 rpm	6000 rpm	6000 rpm
	Power	15 kW	18 kW	18 kW	18 kW	18 kW
	Torque	143 Nm	214.5 Nm	214.5 Nm	214.5 Nm	214.5 Nm
Efficiency	Fast Feed (X, Y, Z)	10 m/min				
	Fast Feed (W)	6 m/min				
	Max. Speed of Working Table(B)	2 r/min		1.11 r/min		
	Max. Speed of Ram(A)	150°/min				
Power	Spindle Motor	15 kW	18 kW	18 kW	18 kW	18 kW
	X Axis Servo Motor	3 kW	3 kW	3 kW	3 kW	3 kW
	Y Axis Servo Motor	3 kW	3 kW	3 kW	3 kW	3 kW
	W Axis Servo Motor	2.5 kW	2.5 kW	2.5 kW	2.5 kW	2.5 kW
	Z Axis Servo Motor	3 kW	3 kW	3 kW	3 kW	3 kW
	A Axis Servo Motor	2.5 kW	2.5 kW	2.5 kW	2.5 kW	2.5 kW
	B Axis Servo Motor	2.5 kW	2.5 kW	3 kW	3 kW	3 kW
	Total Power	43 kW	45 kW	47 kW	50 kW	53 kW
Cooling System	Cooling Liquid Pressure	2-10 Mpa	2-10/1-1.7 Mpa			
	Cooling Liquid Flow	6-42 L/min	6-42/30-90 L /min			
Table Specifications	Max. Table Load Capacity	3 Ton	5 Ton	10 Ton	15 Ton	20 Ton
	Resolution	0.001°	0.001°	0.001°	0.001°	0.001°
	Measurement	800*800 mm	1000*1000 mm	1400*1400 mm	2000*1600 mm	2200*1800 mm
Measurement & Weight	Machine Measurement (L*W)	4600*6000 mm	5200*6100 mm	6200*6600 mm	7000*7300 mm	7500*7600 mm
	Machine Height (H)	3150-4150 mm	3300-4450 mm	3600-4750 mm	3600-4750 mm	3600-4750 mm
	Machine Weight	18 Ton	22 Ton	32 Ton	38 Ton	45 Ton
System	CNC System	FANUC0i -MF				

Design & specifications are subject to change without prior notice!

DOUBLE SPINDLES - SIX AXIS

DEEP HOLE DRILLING & MILLING MACHINE



TECHNICAL SPECIFICATIONS OF SIX-AXIS DEEP-HOLE DRILLING & MILLING MACHINE

	ITEMS	MAD-1210D	MAD-1512D	MAD-2015D	MAD-2515D	MAD-3015D
CNC Axis Stroke	W Drilling One Stroke	1200 mm	1300 mm	1300 mm	1500 mm	1500 mm
	X Longitudinal Travel	1200 mm	1500 mm	2000 mm	2800 mm	3350 mm
	Y Vertical Travel	1000 mm	1200 mm	1500 mm	1500 mm	1500 mm
	Z Cross Travel	600 mm	800 mm	1000 mm	1000 mm	1200 mm
	B Table Rotation	360°	360°	360°	360°	360°
	A Tilting Rotation	+20°/-30°	+20°/-30°	+20°/-30°	+20°/-30°	+20°/-30°
Drilling Capacity	Drilling Capacity	Φ 4 - Φ 35 mm				
	Ejector Capacity	/	Φ 18 ~ Φ 65 mm			
	Max. Drilling Stroke	1000+300 mm	1300+300 mm	1300+400 mm	1500+500 mm	1500+800 mm
	Max. Ejector Stroke	/	1000 mm			
Milling Capacity	Max. Milling Cutting Capacity	283.5 cm³/min	472.5 cm³/min	472.5 cm³/min	472.5 cm³/min	472.5 cm³/min
	Rigid Tapping	M24	M30	M30	M30	M30
	Helical Threading	Standard	Standard	Standard	Standard	Standard
Spindle	Spindle Taper	BT40	BT50			
	Max. Speed of Spindle	4000 rpm/6000 rpm	4000 rpm/5333 rpm	4000 rpm/5333 rpm	4000 rpm/5333 rpm	4000 rpm/5333 rpm
	Power	11 kW/15 kW	11 kW/18 kW	15 kW/18 kW	15 kW/18 kW	15 kW/18 kW
	Torque	72 Nm/143 Nm	108 Nm/214.5 Nm	147 Nm/214.5 Nm	147 Nm/214.5 Nm	147 Nm/214.5 Nm
Efficiency	Fast Feed (X. Y. Z)	10 m/min				
	Fast feed (W)	6 m/min				
	Max. Speed of Working Table (B)	2 r/min		1.11 r/min		
	Max. Speed of Ram(A)	150°/min				
Power	Spindle Motor	11 kW/15 kW	11 kW/18 kW	15 kW/18 kW	15 kW/18 kW	15 kW/18 kW
	X Axis Servo Motor	3 kW	3 kW	3 kW	3 kW	3 kW
	Y Axis Servo Motor	3 kW	3 kW	3 kW	3 kW	3 kW
	W Axis Servo Motor	2.5 kW	2.5 kW	2.5 kW	2.5 kW	2.5 kW
	Z Axis Servo Motor	3 kW	3 kW	3 kW	3 kW	3 kW
	A Axis Servo Motor	2.5 kW	2.5 kW	2.5 kW	2.5 kW	2.5 kW
	B Axis Servo Motor	2.5 kW	2.5 kW	3 kW	3 kW	3 kW
	Total Power	43 kW	45 kW	47 kW	50 kW	53 kW
Cooling System	Cooling Liquid Pressure	2-10 Mpa	2-10/1-1.7 Mpa			
	Cooling Liquid Flow	6-42 L/min	6-42/30-90 L /min			
Table Specifications	Max. Table Load Capacity	3 Ton	5 Ton	10 Ton	15 Ton	20 Ton
	Resolution	0.001°	0.001°	0.001°	0.001°	0.001°
	Measurement	800*800 mm	1000*1000 mm	1400*1400 mm	2000*1600 mm	2200*1800 mm
Measurement & Weight	Machine Measurement (L*W)	4600*6000 mm	5200*6100 mm	6200*6600 mm	7000*7300 mm	7500*7600 mm
	Machine Height (H)	3150-4150 mm	3300-4450 mm	3600-4750 mm	3600-4750 mm	3600-4750 mm
	Machine Weight	18 Ton	22 Ton	32 Ton	38 Ton	45 Ton
System	CNC System	FANUC0i -MF				

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THREE-AXIS

DEEP HOLE DRILLING MACHINE



PRODUCT FEATURES

- Three coordinates NC linkage runs automatically;
- Slender deep hole machining process without return.
- Processing aperture range: gun drill 30-35mm, BTA 18-65-mm(BTA is optional);



■ TECHNICAL SPECIFICATIONS OF THREE-AXIS DEEP-HOLE DRILLING MACHINE TOOL

	ITEMS	DHD-1000	DHD-1613	DHD-1616	DHD-2016	DHD-2516	DHD-3020
CNC Axis Stroke	X Longitudinal Travel	1000 mm	1600 mm	1600 mm	2000 mm	2500 mm	3000 mm
	Y Vertical Travel	900 mm	1000 mm	1200 mm	1200 mm	1500 mm	1500 mm
Drilling Capacity	Drilling Capacity	Φ 4 ~ Φ 32 mm		Φ 4 ~ Φ 35 mm			
	Max. Drilling Stroke (Z Axis Travel)	1000 mm	1300 mm	1600 mm	1600 mm	1600 mm	2000 mm
Spindle	Spindle Taper	BT40					
	Max. Speed of Spindle	4500 rpm	4500 rpm	4500 rpm	4500 rpm	4500 rpm	4500 rpm
	Power	7.5 kW	11 kW	11 kW	11 kW	11 kW	11 kW
	Torque	108 Nm	157.5 Nm				
Efficiency	Fast Feed (X. Y. Z)	10 m/min					
Power	Spindle Motor	7.5 kW	11 kW	11 kW	11 kW	11 kW	11 kW
	X Axis Servo Motor	1.8 kW	2.9 kW	2.9 kW	4.4 kW	5.5 kW	5.5 kW
	Y Axis Servo Motor	1.8 kW	2.9 kW	2.9 kW	4.4 kW	4.4 kW	4.4 kW
	Z Axis Servo Motor	1.8 kW	1.8 kW	2.3 kW	2.3 kW	2.3 kW	2.3 kW
	Total Power	30 kW	30 kW	32 kW	36 kW	38 kW	42 kW
Cooling System	Cooling Liquid Pressure	2-10 Mpa					
	Cooling Liquid Flow	6-42 L/min					
Table Specifications	Max. Table Load Capacity	6 Ton	10 Ton	12 Ton	14 Ton	16 Ton	20 Ton
	Measurement	1200*900 mm	1700*1000 mm	1750*1200 mm	2100*1200 mm	2600*1400 mm	3000*1600 mm
Measurement & Weight	Machine Measurement (L*W)	3300*5200 mm	4300*5400 mm	4300*5900 mm	5400*5900 mm	6300*6000 mm	7400*6800 mm
	Machine Height (H)	2500-2750 mm	2550-2900 mm	2700-3200 mm	2700-3200 mm	3050-3850 mm	3100-3850 mm
	Machine Weight	9 Ton	12 Ton	14 Ton	17 Ton	20 Ton	23 Ton
System	CNC System	SYNTEC22MA					

Design & specifications are subject to change without prior notice!

HPS-A450

FULL-AUTOMATIC MIRROR EDM MACHINE



0.02 mm

The corner cleaning ability can reach 0.02mm

0.002 mm

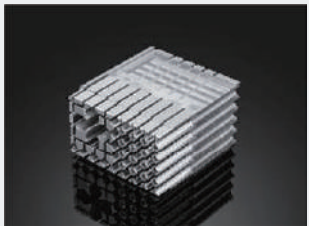
The machining flatness within 0.002mm

0.005 mm

Batch processing stability within 0.005mm

Connector

Significant advantages in processing connectors



Automatic lifting of Working oil tank

High-gloss mirror circuit (Best surface finish) Ra 0.07

Max. machining speed 750 mm³/min

TECHNICAL PARAMETERS

ITEM	Unit	HPS-A450	HPS-A650	HPS-A850
X/Y/Z Axis Working Travel	mm	450*350*300	600*500*400	800*500*400
Working Oil Tank Size (L×W×H)	mm	900*690*350	1400*950*500	1600*1050*550
Table Size (L×W)	mm	650*450	800*500	1050*600
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.07	0.1	0.1
Max. Machining Speed	mm ³ /min	750	750	750
Min. Electrode Loss	%	0.1	0.1	0.1
Distance From Electrode Tip To Table	mm	250-550	300 ~ 650	550 ~ 950
Max. Electrode Load Capacity	Kg	50	50	80
Max. Worktable Load Capacity	Kg	500	1500	2000
Machine Weight (Including Oil Tank)	Kg	4500	4000	5000
Machine Dimension (L×W×H)	mm	2400*2100*2700	2800*2600*2600	3200*2900*2800

HPS-B45S

MIRROR EDM MACHINE

SIMPLY INPUT FOUR BASIC PARAMETERS TO START MACHINING



Material combination



Smoothness



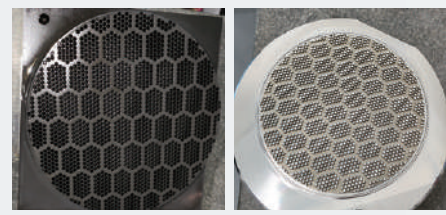
Machining area



Spark position

THE POWERFUL GENERATOR AND PERFECT PRECISION FOR ACCURATE WORKS

- ◆ Machine No: HPS-B45S
- ◆ Electrode Materials: Graphite(Toyo-8)
- ◆ Power: 12KVA
- ◆ Workpiece material: Steel(420H)



- ◆ Electrode diameter 150.0mm, processing depth 2.0mm, spark gap 0.1mm on one side, final glossiness Ra0.85
- ◆ Processing time 21.5 hours, electrode loss 0.08mm

TECHNICAL PARAMETERS

ITEM	Unit	HPS-B45S
X/Y/Z Axis Working Travel	mm	450*350*300
Working Oil Tank Size (L×W×H)	mm	900*640*410
Table Size (L×W)	mm	700*400
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.07
Max. Machining Speed	mm ³ /min	750
Min. Electrode Loss	%	0.1
Distance From Electrode Tip To Table	mm	100-400
Max. Electrode Load Capacity	Kg	50
Max. Worktable Load Capacity	Kg	400
Machine Weight (Including Oil Tank)	Kg	3000
Machine Dimension (L×W×H)	mm	2000*2200*2380

HPS-850

SINGLE HEAD EDM MACHINE

Remote Diagnostic Function

Improve protection through remote diagnostic function.

 Remote assistance

Ra
0.1

High-gloss mirror circuit (Best surface finish) Ra 0.1

750
mm³/min

Max. machining speed
750 mm³/min



TECHNICAL PARAMETERS

ITEM	UNIT	HPS-540	HPS-640	HPS-850	HPS-1060	HPS-1260
X/Y/Z Axis Working Travel	mm	500*400*300	600*400*350	800*500*400	1000*600*400	1200*600*450
Working Oil Tank Size (L×W×H)	mm	1300*920*450	1612*985*540	1800*1100*570	1800*1300*600	2000*1300*600
Table Size (L×W)	mm	800*500	900*500	1150*600	1380*800	1380*800
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.1	0.1	0.1	0.1	0.1
Max. Machining Speed	mm ³ /min	750	750	750	750	750
Min. Electrode Loss	%	0.1	0.1	0.1	0.1	0.1
Distance From Electrode Tip To Table	mm	300-600	350-700	500-900	500-900	500-950
Max. Electrode Load Capacity	Kg	100	150	180	200	200
Max. Worktable Load Capacity	Kg	1800	2000	3000	4000	4000
Machine Weight (Including Oil Tank)	Kg	3000	3700	4800	5200	7000
Machine Dimension (L×W×H)	mm	1640*2200*2250	2040*2320*2530	2280*2600*2690	2300*2850*3000	2300*2850*3000

FEATURES

- ◆ The seat adopts box-shaped structure design, with an ultra wide trail span, allowing the X and Y axis to run continuously and form a stable parallellism with the tabletop, and achieving precise machining of both large and small molds.
- ◆ The square design of the machine head (BOX) can withstand external forces from the direction and maintain precise machining of the original positioning. Ensure that the precision of heavy-duty electrode machining is not affected.
- ◆ Three axis adopts Japanese Panasonic absolute servo motors, which is fully digital controlled and equipped with an encoder. It can feed back the electrode operation to the drive at any time, allowing the drive to control the motor's operation more accurately. With fast response, small rotational inertia, smooth operation, low noise, no radio interference, no shaking phenomenon and easy maintenance, the machine performance is effectively improved, with characteristics of strong sensitivity and controllability.
- ◆ X, Y, and Z axis all use Taiwan grinding-grade ball screws.
- ◆ X axis and Y axis are designed with full-enclosed reinforced slides, and X-axis rail distance is greater than Y-axis stroke, to ensure the parallelism between the entire stroke of X/ Y axis and the table.
- ◆ Through long-lasting and stable liquid temperature management and configuring the processing cooling system, ensure the machine processing will not be affected by external conditions or processing status changes to maximize the machine's general adaptability to various processing conditions and processing accuracy.
- ◆ Complete peripheral facilities, such as automatic fire extinguishing devices and surface sensing devices for processing fluids, to provide a safe environment.
- ◆ The body is made of FC30 cast iron, which has undergone high-temperature annealing and natural aging treatment.



HPS-1260II

DOUBLE HEAD EDM MACHINE

Ra
0.1

High-gloss mirror circuit (Best surface finish) Ra 0.1

750
mm³/min

Max. machining speed
750 mm³/min



INTELLIGENT EXPERT SYSTEM

With independent core technology, we are specialized in the R&D and manufacturing of EDM machines. Integrating high-performance EDM processing technology, we are committed to the development direction of artificial intelligence to create higher efficiency for customers.

TECHNICAL PARAMETERS

ITEM	UNIT	HPS-1260II	HPS-1470II	HPS-1680II	HPS-1880II	HPS-2110II	HPS-2510II	HPS-3510II
X/Y/Z Axis Working Travel	mm	600*500*400	850*700*450	1100*800*500	1200*800*600	1400*800*600	1800*900*650	2600*900*650
Working Oil Tank Size (L×W×H)	mm	2000*1200*600	2400*1340*700	2628*1521*700	3000*1540*700	3200*1650*740	3800*1800*700	4500*1800*700
Table Size (L×W)	mm	1200*600	1500*800	1700*1000	2000*1000	2500*1200	2700*1200	3500*1200
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Max. Machining Speed	mm ³ /min	750	750	750	750	750	750	750
Min. Electrode Loss	%	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Distance From Electrode Tip To Table	mm	330-730	550-1000	600-1100	600-1150	600-1200	650-1300	650-1300
Max. Electrode Load Capacity	Kg	150	200	220	250	300	300	300
Max. Worktable Load Capacity	Kg	3000	4000	6000	7000	7000	10000	15000
Machine Weight (Including Oil Tank)	Kg	8800	10000	12500	15000	17000	19500	26000
Machine Dimension (L×W×H)	mm	2460*2320*2610	3020*2900*3190	3600*3800*3850	3700*3800*3850	3900*4500*4400	4200*4500*44400	5200*4500*4400

DF450S

SINGLE-AXIS MIRROR ZNC EDM MACHINE



High-gloss mirror circuit (Best surface finish) Ra0.28



Best surface finish with orbital head Ra0.15



Max. machining speed 450 mm³/min

■ TECHNICAL PARAMETERS

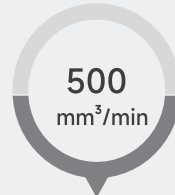
ITEM	Unit	DF450S	DF540S	DF650S
X/Y/Z Axis Working Travel	mm	450*350*200	500*400*220	600*500*220
Working Oil Tank Size (L×W×H)	mm	1060*650*440	1160*690*500	1320*800*500
Table Size (L×W)	mm	700*400	800*450	900*500
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.28	0.28	0.28
Best Surface Finish With Orbital Head	Ra	0.15	0.15	0.15
Max. Machining Speed	mm³/min	450	450	450
Min. Electrode Loss	%	0.1	0.1	0.1
Distance From Electrode Tip To Table	mm	200-500	200-600	300-700
Max. Electrode Load Capacity	Kg	100	150	150
Max. Worktable Load Capacity	Kg	900	1000	1000
Machine Weight (Including Oil Tank)	Kg	1460	1650	2000
Machine Dimension (L×W×H)	mm	2900*1350*2150	3300*1600*2420	3500*2250*2480

HPX-T45

MIRROR EDM MACHINE



High-gloss mirror circuit (Best surface finish) Ra0.1



Max. machining speed 500 mm³/min

■ TECHNICAL PARAMETERS

ITEM	Unit	HPX-T45
X/Y/Z Axis Working Travel	mm	450*350*300
Working Oil Tank Size (L×W×H)	mm	850*600*380
Table Size (L×W)	mm	700*400
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.1
Max. Machining Speed	mm³/min	500
Min. Electrode Loss	%	0.1
Distance From Electrode Tip To Table	mm	100-400
Max. Electrode Load Capacity	Kg	50
Max. Worktable Load Capacity	Kg	400
Machine Weight (Including Oil Tank)	Kg	2500
Machine Dimension (L×W×H)	mm	1780*2500*2500

HPX-800

SINGLE HEAD EDM MACHINE



High-gloss mirror circuit (Best surface finish) Ra 0.13



Max. machining speed 500 mm³/min

■ TECHNICAL PARAMETERS

ITEM	Unit	HPX-500	HPX-600	HPX-800	HPX-1200	HPX-1400
X/Y/Z Axis Working Travel	mm	500*400*300	650*400*350	850*500*400	1200*600*500	1400*700*500
Working Oil Tank Size (L×W×H)	mm	1300*880*540	1600*900*580	1800*1000*600	2200*1150*570	2550*1300*700
Table Size (L×W)	mm	800*500	900*500	1100*600	1300*800	1500*900
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.13	0.13	0.13	0.13	0.13
Max. Machining Speed	mm³/min	500	500	500	500	500
Min. Electrode Loss	%	0.1	0.1	0.1	0.1	0.1
Distance From Electrode Tip To Table	mm	700	750 (850 Opention)	900	500-950	690-1190
Max. Electrode Load Capacity	Kg	120	150	180	180	400
Max. Worktable Load Capacity	Kg	1800	2000	3000	3500	5000
Machine Weight (Including Oil Tank)	Kg	3000	3700	5000	6000	8000
Machine Dimension (L×W×H)	mm	2300*2770*2650	2040*2320*2530	2280*2600*2690	2600*3065*3100	3500*4400*3310

HPX-1800II

DOUBLE HEAD EDM MACHINE



High-gloss mirror circuit (Best surface finish) Ra 0.13



Max. machining speed 500 mm³/min

■ TECHNICAL PARAMETERS

ITEM	Unit	HPX-1200II	HPX-1400II	HPX-1800II
X/Y/Z Axis Working Travel	mm	600*500*400	850*700*450	1200*800*600
Working Oil Tank Size (L×W×H)	mm	2000*1250*600	2250*1300*700	3500*1800*650
Table Size (L×W)	mm	1300*600	1500*900	2000*1000
High-Gloss Mirror Circuit (Best Surface Finish)	Ra	0.13	0.13	0.13
Max. Machining Speed	mm³/min	500	500	500
Min. Electrode Loss	%	0.1	0.1	0.1
Distance From Electrode Tip To Table	mm	550-1000	600-1150	600-1200
Max. Electrode Load Capacity	Kg	180	400	450
Max. Worktable Load Capacity	Kg	3500	4000	6500
Machine Weight (Including Oil Tank)	Kg	7000	8700	14000
Machine Dimension (L×W×H)	mm	3530*3400*3370	3800*3650*3430	3890*4400*3590

CORE CONFIGURATION

Standard Configuration



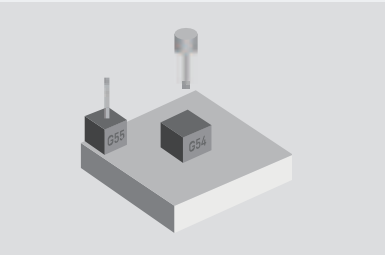
◆ Intelligent Expert System



◆ Metal keyboard



◆ Multi-function hand control box



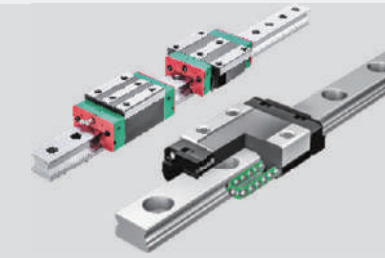
◆ Multi position automatic centering



◆ Panasonic servo motor and drive



◆ Taiwan HIWIN or Japan THK screw



◆ Taiwan HIWIN or Japan THK guide rail



◆ Electrode clamp rail



◆ Fine grained permanent magnet suction cup

Optional Configuration



Table top four axis



EROWA fixture



Oil cooler



C axis



Movement head



Voltage stabilizer



Electrode library

SUPERIOR PERFORMANCE



Linux industrial level operating platform, free from copyright restrictions.



Large 64GB memory for storing more data.



Built-in core database, icon display, easy to operate.



Cluster networking, with convenient management.



Remote assistance, one-touch calling and immediate response.



Touch operation

Configuration

- ◆ 19" touch capacitive display
- ◆ Industrial level metal crystal keypad + touchpad
- ◆ Multi-function hand control box (automatic contact counting, clearing, 1/2 and coordinate system switching)

Circuit

- ◆ High-gloss mirror circuit (best finish Ra0.1)
- ◆ Ultra low loss circuit
- ◆ Ultra cemented carbide circuit
- ◆ Small current finishing circuit, minimum IP0.1
- ◆ Graphite circuit

Machining Module

- ◆ Deep bone position machining module
- ◆ Large area machining module
- ◆ Screw machining module
- ◆ Helical gear machining module (C-axis needs to be equipped)

Other Functions

- ◆ Support five-axis linkage
- ◆ Minimum drive 0.0001mm
- ◆ Accidental power-off protection system (accidental power-off machining coordinate memory protection)
- ◆ Anti-carbon buildup, arc release and automatic cleaning of machining surface
- ◆ The maximum movement speed of the screw is 5m/min

System

- ◆ Linux industrial level operating platform
- ◆ Automatic programming system (input material combination, electrode shape, machining depth, machining roughness and machining coordinates to generate machining program)
- ◆ Machining history (view the last 400 machining and historical operations, machine start-up time and discharge machining time)
- ◆ Digital voltage display
- ◆ 60 display machining coordinate systems
- ◆ MDI manual input command
- ◆ Processing information display (display processing time, processing residue, efficiency)
- ◆ Machining information display (display machining time, machining residue and efficiency)
- ◆ Processing rocking trajectory capture
- ◆ Support multi machine networking and ERP management

Standard Accessories

- ◆ Three axis linear slide
- ◆ Three-axis ball screw
- ◆ Horizontal adjustment seat screws
- ◆ Touch monitor + metal keyboard
- ◆ Three-axis AC servo motor
- ◆ Electrode tip
- ◆ Discharge machining fluid
- ◆ Toolbox
- ◆ Operating instruction
- ◆ LED working light
- ◆ Fire extinguisher
- ◆ Filter mesh
- ◆ Oil injection magnetic base
- ◆ Fine grained permanent magnet suction cups

Purchasing Accessories

- ◆ Robot+electrode library
- ◆ EROWA fixture
- ◆ Fifth axis
- ◆ Oil cooler
- ◆ Domestic fixtures
- ◆ Voltage stabilizer
- ◆ C axis

FEATURES

- ◆ Externally connect the electrode library of the Robot.
- ◆ The X/Y/Z three-axis adopts Japanese THK screw and Japanese Panasonic absolute servo motor, ensuring the strong performance of the machine tool μ-grade high precision, and the precision stability and retention in long-term use.
- ◆ The column adopts a one-stage structure, which makes the Z axis more rigid and allows for easy and flexible processing of heavy-duty electrodes.
- ◆ Immersion processing is adopted, to effectively ensure processing accuracy and surface finish.
- ◆ The whole machine adopts centralized lubrication, providing uniform lubrication on all rail surfaces, with smooth and long-lasting axial movement accuracy.
- ◆ Complete peripheral facilities, such as automatic fire extinguishing devices and surface sensing devices for processing fluids, to provide a safe environment.
- ◆ The body is made of FC30 cast iron, which has undergone high-temperature annealing and natural aging treatment.



Electrode library combination

TECHNICAL PARAMETERS OF ELECTRIC CONTROL BOX

ITEM	Unit	HPS-T750
Maximum machining current	A	75
Best surface finish (Ra)	μm	0.07
Minimum electrode loss	%	0.1
Maximum machining speed	mm3/min	800
Net weight	Kg	350
Power (individual electrical box)	KW	15
Overall size (L×W×H)	mm	550×1800×1950

ZNC EDM

WITH AC SERVO MOTOR (INTEGRATED TYPE)



■ TECHNICAL PARAMETERS

ITEM		UNIT	ZNC320Y	ZNC350Y	ZNC450Y	ZNC540Y
Worktable Size(LxW)		mm	500x300	630x350	700x450	800x500
Coordinate Axes Travel	X Axis	mm	300	350	450	500
	Y Axis	mm	200	250	350	400
	Z Axis	mm	200	200+200	250+250	250+250
Worktable Internal Size(LxWxH)		mm	785x540x320	875x540x380	1205x600x450	1255x685x480
Max. Electrode Weight		kg	50	75	75	100
Max. Worktable Load Capacity		kg	450	500	700	1000
Distance From Electrode Plate To Worktable	Max	mm	560	650	700	760
	Min	mm	360	250	200	260
Z axis Two-direction Positioning Accuracy A		mm	0.009/300mm	0.009/300mm	0.009/300mm	0.009/300mm
Z Axis One-direction Re-positioning Accuracy R+ and R-		mm	0.004/300mm	0.004/300mm	0.004/300mm	0.004/300mm
Z Axis Of The Reverse Difference (Loss of Momentum) B		mm	0.006/300mm	0.006/300mm	0.006/300mm	0.006/300mm
Oil Tank Capacity		L	400	450	500	550
Machine Weight		kg	1200	1300	1600	1900
Machine Dimension (LxWxH)		mm	1575x1180x2320	1605x1265x2500	1920x1580x2380	2070x1635x2450

ELECTRIC CONTROL CABINET		
ITEM	UNIT	AC SERVO
Max. Processing Current	A	30
Max. Processing Speed	Mm³/min	300
Min Electrode Consumption		≤0.1%
Optimum Roughness	μm	0.15
Total Input Power	kw	10

ZNC EDM

(AC SERVO SPLIT TYPE)



■ TECHNICAL PARAMETERS

ITEM		UNIT	ZNC320	ZNC350	ZNC450	ZNC540	ZNC760
Worktable Size (LxW)		mm	500x300	630x350	700x450	800x500	1200x700
Coordinate Axes Travel	X Axis	mm	300	350	450	500	700
	Y Axis	mm	200	250	350	400	600
	Z Axis	mm	200	200+200	250+250	250+250	300+300
Worktable Internal Size (LxWxH)		mm	835x550x320	885x570x380	1180x620x450	1255x705x480	1940x1050x600
Max. Electrode Weight		kg	50	75	75	100	150
Max. Worktable Load Capacity		kg	450	500	700	1000	2000
Distance From Electrode Plate To Worktable	Max	mm	560	650	700	760	1000
	Min	mm	350	250	200	260	400
Z Axis Two-direction Positioning Accuracy A		mm	0.008/300mm				
Z Axis One-direction Re-positioning Accuracy R+ and R-		mm	0.004			0.006	
Z Axis Of The Reverse Difference (Loss Of Momentum) B		mm	0.006			0.008	
Oil Tank Capacity		L	350	500	600	650	800
Machine Weight		kg	1200	1300	1600	1900	3500
Machine Dimension (LxWxH)		mm	1320x1150x2060	1350x1210x2080	1485x1420x1980	1600x1600x2030	2100x2000x2800

ELECTRIC CONTROL CABINET		
ITEM	UNIT	AC SERVO
Max. Processing Current	A	30
Max. Processing Speed	Mm³/min	300
Min Electrode Consumption		≤0.1%
Optimum Roughness	μm	0.15
Total Input Power	kw	10

CNC EDM DRILL



TECHNICAL PARAMETERS			
ITEM	UNIT	CNC4030	CNC5040
Worktable Size(LxW)	mm	400x600	440x630
Worktable Stroke	mm	300x400	400x500
Coordinate Axes Travel	Z Axis	mm	350
	W Axis	mm	300
Max. Distance From Guider To Worktable	mm	50-350	200-500
Max. Machining Current	A	30	30
Electrode Diameter	mm	Φ0.2-φ3.0	Φ0.2-φ3.0
Max. Capacity Of Worktable	kg	200	200
Working Liquid		Water	Water
Power Supply		380V/50HZ	380V/50HZ
Total Input Power	kw	3.5	3.5
Machine Dimension (LxWxH)	mm	1200x1000x2170	1300x1075x2320
Machine Weight	kg	800	900
Digital Display		Three Axes Digital	Three Axes Digital

CNC WIRE CUT EDM

MACHINE BH TYPE (OPTIONAL: AC SERVO CONTROL)



TECHNICAL PARAMETERS

ITEM	UNIT	BH-320	BH-400	BH-500	BH-630
Worktable Size(LxW)	mm	760×520	850×600	1000×750	1170×830
Worktable Travel(XxY)	mm	400×320	500×400	630×500	800×630
Max. Cut Thickness(Z)	mm	250	250	300	300
Max. Capacity Loading	kg	300	500	800	1000
Max. Cutting Speed	mm ² / min	180			
Max. Current	A	8			
Process Roughness (Ra.)	Ra(um)	One Cut≤2.3um Second Cut≤1.6um Third Cut ≤1.0um			
Cutting Accuracy	mm	straight line 0.005 octagonal 0.01			
Jump Accuracy		0.01mm/0-200mm 0.015/0-350mm 0.02mm/0-500mm			
Machine Taper	mm	±3°/80 (Optional ±10°/50)			
Wire Diameter Range	mm	0.12-0.25 (standard 0.18)			
Motor Drive System	/	X,Y STEP MOTOR(OPTIONAL:AC SERVO MOTOR)			
Water Tank	/	High Pressure WEDM-LS filter Volume 100L			
Working Liquid		Water Based Liquid			
Consumed Power	kVA	≤3.5			
Power Supply	/	380V/50HZ/3PH			
Machine Weight	kg	1860	2160	2750	3450
Machine Dimension	mm	1570×1100×1700	1600×1220×1700	1850×1400×1800	2070×1655×2060

SUPER DRILL EDM



TECHNICAL PARAMETERS			
ITEM	UNIT	BH4030	BH5040
Worktable Size (LxW)	mm	400x600	440x630
Worktable Stroke	mm	300x400	400x500
Coordinate Axes Travel	Z Axis	mm	400
	W Axis	mm	350
Max. Distance From Guider To Worktable	mm	85-435	235-585
Max. Machining Current	A	30	30
Electrode Diameter	mm	Φ0.3--φ3.0	Φ0.3--φ3.0
Max. Capacity Of Worktable	kg	200	300
Working Liquid		Water	Water
Power Supply		380V/50HZ	380V/50HZ
Total Input Power	kw	3.5	3.5
Machine Dimension (LxWxH)	mm	1060x1050x1950	1250x1150x2100
Machine Weight	kg	650	750
Digital Display		Two Axis digital (Optional:Three Axes Digital)	
Digital Display		Yes (Optional)	