



COMPLETE EDM SOLUTION AT ONE PLACE

"Serving industry since 2005"



Our Presences



Other Countries



UAE



BANGLADESH



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FDK SERIES

Model		FDK-7720	FDK-7725	FDK-7735	FDK-7745	FDK-7755	FDK-7763
Table size (mm)		420*300	560*400	710*480	810*570	950*650	1140*750
Table travel (X×Y) (mm)		250*200	320*250	450*350	550*450	630*550	800*630
Max Z axis travel (mm)		250	350	450	550	550	650
Max. workpiece weight (kg)		200	300	400	600	800	1600
Max. cutting angle (Optional)		±3°	±3°	±3°,(15°)	±3°,(15° ,30°)		
Cutting Accuracy		Cr 12 H 40mm 10mm/10mm (square) 0.015-0.020mm					
Wire moving speed (m/s)		11.5					
Cutting speed (mm2/min)		Standard:120-140, max. cutting speed: 160-180					
Power		Single phase, 220V/50Hz / Three phase, 415V/50Hz, (2.0kw)					
Best Finish	(Ra)	Single Cutting <_ 2 . 5					
		Multi Cutting <_ 1 . 5					
Wire Diameter (mm)		(Ø 0.12 - 0.25)					
Dimension L*W*H (mm)		1160*850*1300	1400*900*1500	1400*1100*1600	1600*1200*1700	1900*1500*1800	2100*1700*1900

STANDARD ACCESSORIES

- CNC Multicut Controller (easy autocad integrated)
- Dielectric System with Filtration Unit
- Wire Guide
- Wire alignment tool
- Clamping tool
- 2 Axis DRO
- Automatic Lubrication system
- Toolbox
- Molly wire
- Gel
- Operation Manual

OPTIONAL ACCESSORIES

- Magnetic filter
- 4th Axis Rotary Table
- Taper Cutting Attachment
- Dielectric Double filter Tank
- Power Back-Up System (UPS)
- High-Performance Servo Motors

Note : For Higher Models Please Contact Us

Disclaimer: Content in this catalog may vary during different production periods.



PREMIUM SERIES

Model		PS-7735	PS-7745	PS-7755
Table size (mm)		710*480	810*570	950*650
Table travel (X×Y) (mm)		450*350	550*450	630*550
Max Z axis travel (mm)		400	450	500
Max. workpiece weight (kg)		400	600	800
Max. cutting angle (Optional)		±3°, (15°)	±3°, (15°, 30°)	±3°, (15°, 30°, 45°)
Cutting Accuracy		Cr 12 H 40mm 10mm/10mm (square) 0.015-0.020mm		
Wire moving speed (m/s)		11.5		
Cutting speed (mm2/min)		Standard:120-140, max. cutting speed: 160-180		
Power		Single phase, 220V/50Hz / Three phase, 415V/50Hz, (2.0kw)		
Best Finish	(Ra)	Single Cutting <_ 2 . 5		
		Multi Cutting <_ 1 . 5		
Wire Diameter (mm)		(Ø 0.12 - 0.25)		
Dimension L*W*H (mm)		1400*1100*1600	1600*1200*1700	1900*1500*1800

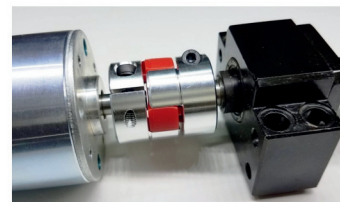
STANDARD ACCESSORIES

- CNC Multicut Controller (easy autocad integrated)
- Dielectric System with Filtration Unit
- Wire Guide
- Wire alignment tool
- Clamping tool
- 2 Axis DRO, Gel, Molly Wire
- Automatic Lubrication system
- Toolbox
- Operation Manual

OPTIONAL ACCESSORIES

- Magnetic filter
- 4th Axis Rotary Table
- Taper Cutting Attachment
- Dielectric Double filter Tank
- Power Back-Up System (UPS)
- High-Performance Servo Motors

Note : For Higher Models Please Contact Us



PREMIUM SERVO SERIES

Model	PS-7735S	PS-7745S	PS-7755S
Table size (mm)	710*480	810*570	950*650
Table travel (X*Y) (mm)	400*300	500*400	600*500
Max Z axis travel (mm)	400	450	500
Max. workpiece weight (kg)	400	600	800
Max. cutting angle (Optional)	±3°, (15°)	±3°, (15°, 30°)	±3°, (15°, 30°, 45°)
Cutting Accuracy	Cr 12 H 40mm 10mm/10mm (square) 0.015-0.020mm		
Wire Dia. (mm)	(Molybdenum wire) φ0.10~0.30		
Wire speed (m/sec)	12,9,7,5,2		
Cutting speed (mm ² /min)	Standard:120-140, max. cutting speed: 160-180		
Max.cutting angle	±3°/100mm (15° & 30° is optional)		
Process accuracy (mm)	(Multi-cut):10×10×30(Square) 0.010; (Single cut) 0.012 (Multi-cut)(Octagon) 0.010; (Straightness) 0.009/50mm		
Roughness(Ra.μm)	(Multi-cut):Ra 1.0 (Micro-pulse power Ra 0.8) (Single cut):Ra 2.0		
Driving motor	AC servo motor*		
Guide screw and track	Precision ball screw/Linear guide way		
Tension system	three stage(0/1/2)tension adjustable		
Power supply	415V/50Hz, 2.5kw		
Dimension L*W*H (mm)	1400*1100*1600	1600*1200*1700	1900*1500*1800

STANDARD ACCESSORIES

- CNC Multicut Controller (easy autocad integrated)
- High-Performance Servo Motors
- Dielectric System with Filtration Unit
- Ceramic Wire Guide
- Wire alignment tool
- Clamping tool
- 2 Axis DRO, Gel, Molly Wire
- Automatic Lubrication system
- Toolbox
- Operation Manual

Note : For Higher Models Please Contact Us

OPTIONAL ACCESSORIES

- Magnetic filter
- 4th Axis Rotary Table
- Taper Cutting Attachment
- Dielectric Double filter Tank
- Power Back-Up System (UPS)



SUPER SERIES

TYPE	FK7735-SUPER	FK7745-SUPER	FK7755-SUPER	FK7763-SUPER
Table size (mm)	440×620	510×730	630×880	850×1200
Table travel(X/Y) (mm)	350×450	450×550	550×630	630×800
Max.cut thickness (mm)	300	300	400	400
Travel size(U/V) (mm)	35x35*			
Wire Dia. (mm)	(Molybdenum wire) φ0.10~0.30			
Wire speed (m/sec)	12,9,7,5,2			
Cutting speed (mm ² /min)	Standard:120-140, max. cutting speed: 160-180			
Max.cutting angle	±3°/100mm (15° & 30° is optional)			
Process accuracy (mm)	(Multi-cut):10×10×30(Square) 0.010; (Single cut) 0.012 (Multi-cut)(Octagon) 0.010; (Straightness) 0.009/50mm			
Roughness(Ra.μm)	(Multi-cut):Ra 1.0 (Micro-pulse power Ra 0.8) (Single cut):Ra 2.0			
Driving motor	Stepper motor / AC servo motor*(Optional)			
Guide screw and track	(X.Y.Z.U.V)Precision ball screw/Linear guide way			
Tension system	three stage(0/1/2)tension adjustable			
Power supply	415V/50Hz, 2.5kw			
Max.workpiece weight (kg)	400	500	800	1200
Weight (kg)	1500	1700	2600	3000
Dimension (mm)	1300×1200×1400	1600×1300×1500	1800×1600×1700	2100×1800×1800

STANDARD ACCESSORIES

- CNC Multicut Controller (easy autocad integrated)
- Dielectric System with Filtration Unit
- LM Guide XYZUV
- Wire Guide
- Wire alignment tool
- Clamping tool
- 2 Axis DRO, Gel, Molly Wire
- Automatic Lubrication system
- Toolbox
- Operation Manual

Note : For Higher Models Please Contact Us

OPTIONAL ACCESSORIES

- Magnetic filter
- 4th Axis Rotary Table
- Dielectric Double filter Tank
- Power Back-Up System (UPS)



FZT SERIES

MODEL	FZT-320BJ/SF	FZT-400BJ/SF	FZT-500BJ/SF	FZT-630BJ/SF
Table Size(mm)	700x500	820x600	1000x700	1200x800
Table travel(X/Y) (mm)	400x320	500x400	630x500	800x630
Max. cut thickness (mm)	300	300	400	400
Molybdenum wire Dia.(mm)	(Molybdenum wire) ϕ 0.10 - 0.22			
Cutting speed (mm ² /min)	Standard:120-140, max. cutting speed: 160-180			
Wire Speed (m/Sec)	12,9,7,5,2			
Max. cutting angle	$\pm 3^\circ/100\text{mm}$			
Process accuracy (mm)	(Multi-cut): 10x10x30(Square) ≤ 0.006 ; (one time out) ≤ 0.012			
	(Multi-cut): (Octagon) ≤ 0.009 ; (Straightness) $\leq 0.006/50\text{mm}$			
Process Roughness(Ra.μm)	(Multi-cut): Ra ≤ 0.9 (Micro-pulsepower Ra ≤ 0.8) (Singe-cut): Ra ≤ 1.9			
Driving motor	Stepper motor /AC servo motor*(Optional)			
Guide screw and track	Precision ball screw/Linear guide way			
Tension system	three stage (0/1/2) tension adjustable			
Power supply	415V/50Hz, 2.5 Kw			
Max. workpiece weight(kg)	450	600	1000	1200
Weight(kg)	1500	1700	2600	3200
Dimension(mm)	1750x1300x2000	1900x1450x2000	2050x1850x2100	2250x2050x2100

STANDARD ACCESSORIES

- CNC Multicut Controller (easy autocad integrated)
- LM Guide XYZUV
- Dielectric System with Filtration Unit
- Wire Guide
- Wire alignment tool
- Clamping tool
- 2 Axis DRO, Gel, Molly Wire
- Automatic Lubrication system
- Toolbox
- Operation Manual

Note : For Higher Models Please Contact Us

OPTIONAL ACCESSORIES

- Magnetic filter
- 4th Axis Rotary Table
- Taper Cutting Attachment
- Dielectric Double filter Tank
- Power Back-Up System (UPS)

01

TAIWAN LINEAR GUIDE RAIL

X,Y,U,V axis and wire barrel all adopts Taiwan high precision linearguide rail



02

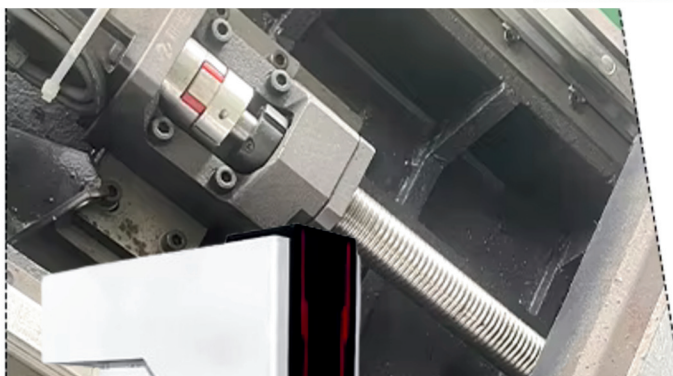
CHROME-PLATED WIRE BARREL

The wire barrel adopts a chromlum plating process to increase the surface finish, reduce the runout of the molybdenum wire, and keep the molybdenum wire stable

03

THICKEN GUIDE RAIL BASE

Increase machine stability and keep the machine stable for a long time



04

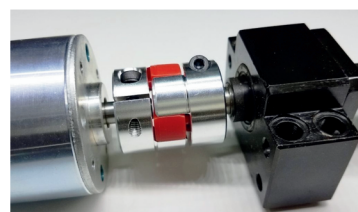
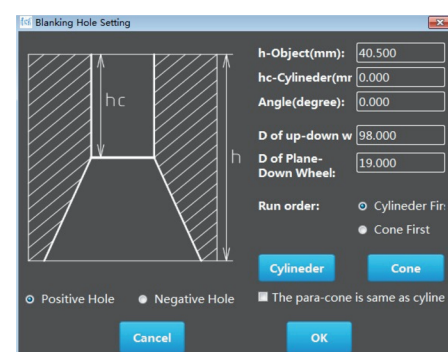
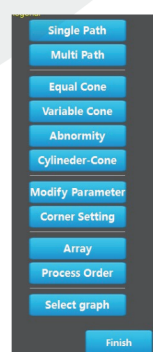
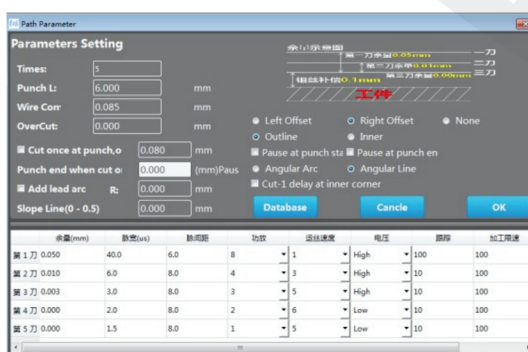
P3-GRADE DOUBLE NUT BALL SCREW

Industry level, high precision, low wear and long life

**SF**
SERIES

SF SERIES

MODEL	SF300	SF400	SF500	SF600
Table travel (X*Y) mm	320*400	400*500	500*630	630*800
Table Size (mm)	500*720	600*820	700*1000	800*1200
Max. Z axis travel (mm)	300mm	300mm	300mm	300mm
Control system	LQCUT	LQCUT	LQCUT	LQCUT
U and V axis travel	+30mm, LM guide	+30mm, LM guide	+30mm, LM guide	+30mm, LM guide
Machining taper	±6°80mm	±6°80mm	±6°80mm	±6°80mm
Maximum load capacity	600kg	800kg	1000kg	1200kg
XYZ axis resolution	0.001mm	0.001mm	0.001mm	0.001mm
Repetability	≤0.005mm	≤0.005mm	≤0.005mm	≤0.005mm
Drum runout	≤0.005mm	≤0.005mm	≤0.005mm	≤0.005mm
Wire Diameter (mm)	0.12~0.22mm	0.12~0.22mm	0.12~0.22mm	0.12~0.22mm
Wire feeding speed range	1-12m/s	1-12m/s	1-12m/s	1-12m/s
Maximum processing current	8A	8A	8A	8A
Maximum Speed (Cr12, H=60mm)	≥200 mm2/min	≥200 mm2/min	≥200 mm2/min	≥200 mm2/min
Interface Module	LAN, RS232, USB			
Power Rating	≤3kW			
Multi Cut accuracy (Cr12, H=40mm)	≤±0.004mm	≤±0.004mm	≤±0.004mm	≤±0.004mm
Surface Finish (Straight cutting, H ≤ 40mm)	1 cut Ra≤2.5μm, 2 cut Ra1.6μm, 3 cut Ra0.8-1.0μm			
Dimension L*W*H (mm)	1960*1620*1915	2070*1800*1920	2390*2000*2130	2650*2310*2140
Net Weight	2100 Kg	2300 Kg	2800 Kg	3500kg



Fully Servo Machine With PLC Controller for log management and maintenance



ZNC EDM DRILL

TYPE	FDD703.30	FDD703.40	FDD703.45	FDD703.55	FDD703.63	FDD703.80
Working Table size (mm)	360×480	480*710	570*810	650*950	750*1140	980*1350
Stroke X-Y (mm)	300×400	400*450	500*550	550*630	630*800	800*1000
Electrode Diameter (mm)	Φ0.3-Φ3.0	Φ0.3-Φ3.0	Φ0.3-Φ3.0	Φ0.3-Φ3.0	Φ0.3-Φ3.0	Φ0.3-Φ3.0
Spindle Stroke W-Axis (mm)	300	300	350	350	400	400
Working Stroke Z-Axis (mm)	300	300	350	350	400	400
Max. Adjusting Speed of Spindle (mm/min)	500	500	500	500	500	500
Turn head Speed (rpm)	0-200	0-200	0-200	0-200	0-200	0-200
Distance between working Table & guider (mm)	300	300	350	350	400	400
Power (V/Hz)	1Φ 220/3Φ 415V/50Hz/4.0kw					
Max. Working Current (A)	30					
Capacity of Working Fluid (L)	25					
Max. Pressure of Working Fluid (MPA)	7					
Weight (kg)	550	950	1100	1500	2000	2600

STANDARD ACCESSORIES

- 3-Axis DRO X,Y & Z axis
- Coolant System
- Electrode one Set
- Guide 2 Nos
- Seal

OPTIONAL ACCESSORIES

- Guide-Additional
- Seal-Additional
- Electrode-Additional
- Drill Chuck-Additional

Note : For Higher Models Please Contact Us



CNC EDM DRILL

TYPE	CNC35-S	CNC450-S	CNC550-S	CNC630-S	CNC800-S	CNC1000-S
Working Table size (mm)	400×600	570*810	650*950	750*1140	980*1350	1100*1600
Stroke X-Y(mm)	350×450	450*550	550*630	630*800	800*1000	1000*1200
Electrode Diameter (mm)	Φ0.2-Φ3.0	Φ0.2-Φ3.0	Φ0.2-Φ3.0	Φ0.2-Φ3.0	Φ0.2-Φ3.0	Φ0.2-Φ3.0
Spindle Stroke W-Axis (mm)	350	350	350	400	400	500
Working Stroke Z-Axis (mm)	350	350	350	400	400	500
Max. Adjusting Speed of Spindle (mm/min)	500	500	500	500	500	500
Turn head Speed (rpm)	0-200	0-200	0-200	0-200	0-200	0-200
Distance between working Table & guider (mm)	350	350	350	400	400	500
Movement speed XY (mm/min)	1000					
Capacity of Working Fluid (L)	25					
CNC axis	X、Y、Z (C axis)					
Drill processing axis	Z					
Maximum processing current (A)	30					
Processing speed (mm/min)	30-60					
Input maximum power (KW)	3Φ415V/50Hz/4.5 kw					
Minimum electrode consumption ratio	≤0.8%					
Weight (kg)	600	1100	1500	2000	2600	3800

STANDARD ACCESSORIES

- 3-Axis DRO X,Y & Z axis
- Coolant System
- Electrode one Set
- Guide 2 Nos
- XYZ servo motor

OPTIONAL ACCESSORIES

- Guide-Additional
- Seal-Additional
- Electrode-Additional
- Drill Chuck-Additional

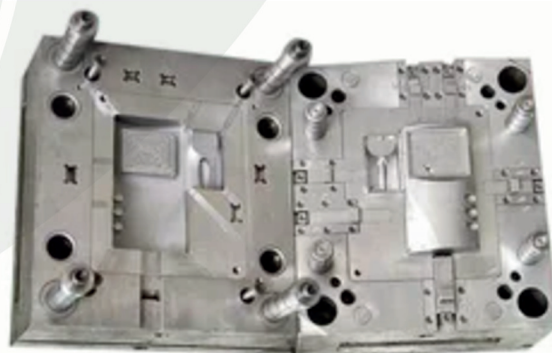
Note : For Higher Models Please Contact Us

ZNC

SPARK EDM



MODEL		ZNC 300	ZNC350	ZNC450	ZNC540	ZNC600
workbench		550x300	600x300	700x400	800x480	1000x600
Work slot		750X420X280	780X500X350	1040X600X450	1250X770X500	1680X900X650
Left and right trip		300	350	450	500	600/700
Before and after the trip		300	250	350	400	500
The Z axis stroke (mm)	Servo	200	160	200	220	400
	Move	200	200	250	260	NA
Maximum distance between spindle and table		300	420	500	580	750/980/1230
Maximum electrode weight		25	30	50	80	100
Maximum working weight		500	680	1000	1500	2000
Machine weight		1000	1000	1300	1600	4000
Packing size		1400X1050X2250	1460X1490X223	1450X1300X2200	1570X1600X2400	2120X1930X2540
FILTER TANH						
Capacity of filter box		200 Litre	200Litre	240Litre	300Litre	840Litre
Filter weight		Built in	Built in	180	200	300



Note : For Higher Models Please Contact Us

1. File Storage Capacity

With a capacity to store up to 60 different files, you can easily save and access up to 60 distinct molds or customer profiles, improving efficiency and workflow.

2. 10-Step Auto Finishing System

Our machine features an intelligent 10-step auto-finishing process, including:

- Self-Editing: Customize machining conditions based on personal experience.
- Auto Z Setting: Simply input the Z-axis depth and current, and the system will automatically preset all other machining data.
- Intelligent Condition Editing: By selecting the electrode shape, material, cross-section, and desired finish type, the system automatically calculates the ideal machining conditions. These processes (Rough -> Medium -> Fine) can be completed in one seamless operation.

3. On-the-Fly Adjustments

You can modify the machining conditions during the sparking process without interrupting operations, allowing for dynamic adjustments.

4. Automatic Discharge Control

The system automatically adjusts the discharge conditions when instability occurs, optimizing the discharge efficiency and work time. Once stable, the original settings are restored, ensuring smooth operation.

5. Advanced Fuzzy Logic Control

The latest fuzzy logic technology controls both arcing and servo voltage. When instability is detected, the system adjusts machining parameters automatically, including lifting the electrode and pausing pulses to protect the process.

6. Flexible Coordinate Systems

The machine supports three coordinate systems: absolute, incremental, and reference, making mold alignment easy and precise.

7. High-Performance Generator & 15" Screen

The newly designed generator, paired with a 15" display, complies with CE safety standards. It is dustproof, waterproof, and resistant to interference, significantly extending the lifespan of the PC boards.

8. Industrial-Grade PC-Based Controller

The generator features a highly stable, industrial PC-based controller, ensuring robust and reliable performance over extended periods.

SPECIFICATIONS		ZNC CABINET		
X、Y、Z minimum setting size		0.005mm		
X、Y、Z maximum set size		9999.995mm(9999.9999mm)		
Coordinate system		INC, ABS		
Shift rate		0.005mm(unit)X1, X5, X10		
Program file storage		60 group		
Maximum processing current	A	50	60	100
Input power	KVA	4.5	6	10
Maximum processing speed	mm3/min	360	560	700
Electrode consumption	%	<0.2		
Optimum surface fineness	Ra	0.18		
External dimensions	mm	860*720*1950		
Package size	mm	900*1000*2090		
Net weight	kgs	210		

ADVANCE SYSTEM FEATURES

Advanced Structural Design:



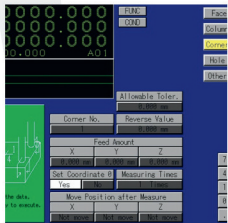
- Cow Head (RAM TYPE) Design with a fixed worktable.
- Box-Type Mainframe with multi-layer stiffener distribution.
- Wide Base & Symmetrical Bed for enhanced stability.
- Stress-Relief Aging ensures long-term precision.
- Ideal for processing large molds.



High-Quality Pulse Power Supply:

- High-Efficiency Pulse Power Supply: Ensures wide adaptability.
- Supports automated, high-quality discharge machining.
- Suitable for materials ranging from copper to graphite.

Innovative CNC Discharge Control System:



- Integrated CNC Control System: Flexible and highly reliable.
- Proprietary Design: Developed with in-house intellectual property.
- Ensures stable discharge processing energy.



High-Precision Components:

- X, Y, Z NC Axes: Imported from Taiwan for superior quality.
- Equipped with HIWIN/PMI Precision Lead Screws and NSK Bearings.
- High-Standard Key Components ensure exceptional machine precision.

Efficient Design:



- Hand-Controlled Door: Space-saving pull-down design for the working fluid tank.
- Centralized Lubrication: Simplifies machine tool maintenance.



Advanced Servo Drive System:

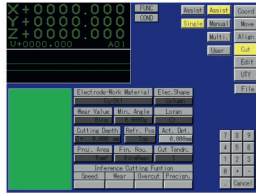
- Full Digital AC Servo Drive: Panasonic (or equivalent) for high dynamic precision.
- Maintenance-Free with reliable performance.



CNC Spark EDM

COLUMN MOVEMENT

ADVANCE SYSTEM FEATURES



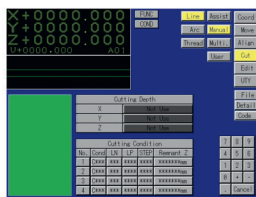
Multiple Cutting Modes

- Assist Cutting: Automatically optimizes cutting from rough to finish.
- Manual Cutting: Enables precise line, arc, thread, and spiral cutting.
- Multiple Cutting: Handles batch operations with random, lattice, and circular patterns.



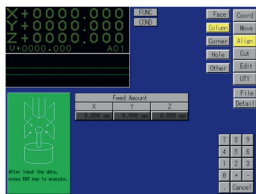
Discharge Control

- Advanced Waveform Settings: Enables precise material removal.
- Customizable Parameters: Adjust ON, OFF, IP, and PL for tailored machining.



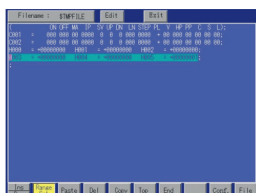
Customizable Parameters

- Wide range of machining configurations to suit different materials and tasks.
- Adaptability for various electrode materials like copper, graphite, and more.



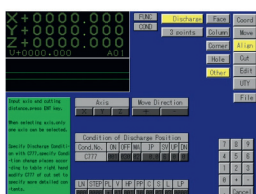
Advanced Alignment Techniques

- Face Alignment: Aligns electrode with the workpiece surface.
- Column Center Alignment: Finds column or reference point centers.
- Corner Alignment: Aligns edges for angular machining.
- Hole Center Alignment: Positions for precise hole machining.
- Random 3-Point Alignment: For irregular or unique geometries.



Versatile Cutting Options

- Electrode Offset Adjustments: For intricate design precision.
- Configurable Programs: Tailored machining with user-defined settings.



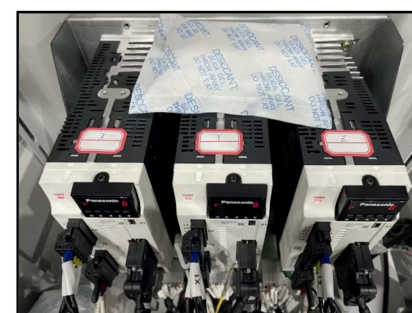
Loran Function

- The LORAN (Logical Operation of Rotation and Alignment) function in CNC EDM machines enhances machining versatility by enabling precise operations across multiple planes.

CONTROLLER SPECIFICATIONS

Controlled axis	3axis (5axis)
Communication port	USB,LAN
Display mode	15 inch LCD
Input mode	Touch screen/keyboard
Saving mode	SSD
Language	English (UK)
Driving type	Digital AC servo motor
Machining efficiency	300-500mm ³ /min
Electrode loss	0.1%
Optimal finish	0.1μm

Minimum driving unit	0.001
Maximum feed speed	0.1m/min
Movement speed	5m/min
Speed of cutter lifting	10m/min
Processing electric current	50A
Fireproofing	Automatic control
Input power	3PH AC380/415V, 50-60Hz
Power supply cabinet size	1470*700*1960mm
Power supply cabinet weight	360kg
Total power input	9KVA



Important Note:

At Berlin Machineries, we are committed to continuous improvement. Specifications, dimensions, and technical details may be modified to enhance our products' performance without prior notice. The information provided here is for reference only and is not binding.

SINGLE HEAD STRUCTURE

Item		Unit	BM-540	BM-650	BM-850	BM-1060	BM-1260	BM-1370
Work slot size (length * width * depth)		mm	1300*900*450	1600*980*540	1800*1100*570	2000*1300*600	2100*1300*600	2400*1340*700
Workbench (length * width)		mm	800*500*65	900*500*75	1150*600*100	1380*800*100	1400*800*100	1600*800*100
T-shaped slot on workbench (number of slots *width)		mm	3*12	3*12	3*14	5*18	5*18	5*18
Attachment mounting plate T-slot (number of slots* width)		mm	3*12	3*12	3*12	3*12	3*12	3*12
work travel x*y*z	X axis	mm	500*400*300	600*400*350	800*500*400	1000*600*400	1200*600*450	1300*700*450
Accessory mounting plate Distance to work surface		mm	350-650	450-800	500-900	550-950	600-1050	650-1100
maximum workpiece weight		kg	1800	2000	3000	4000	4000	4000
Maximum electrode weight		kg	100	150	180	200	200	200
Filter capacity		L	800	1100	1300	1800	1800	1500*2
Fuel tank size (length * width * height)		mm	1700*1500*450	1900*1600*510	2260*1650*510	2460*1900*550	2460*1900*550	1600*2100*600
Overall dimensions(length * width * height)		mm	2100*2650*2350	2450*2900*2600	2500*3050*3100	2800*3550*3120	2800*3550*3120	3300*4500*3250
Machine tool weight		kg	2800	3500	4800	5500	6000	9000

Important Note:

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DOUBLE HEAD STRUCTURE

Item		Unit	BM-1260		BM-1470		BM-1680		BM-1880	
Work slot size (length * width * depth)		mm	2000*1140*600		2400*1340*700		2800*1540*700		3300*1540*700	
Workbench (length * width)		mm	1200*600*100		1600*800*100		1700*1000*120		2000*1000*120	
T-shaped slot on workbench (number of slots * width)		mm	5*14		5*18		6*18		6*18	
Attachment mounting plate T-slot (number of slots * width)		mm	3*12		3*12		3*12		3*12	
work travel	X axis	mm	single	1200	single	1400	single	1600	single	1800
	Y axis	mm	double	600	double	850	double	1100	double	1200
	Z axis	mm	580		700		800		800	
Accessory mounting plate Distance to work surface	min	mm	400		450		550		600	
		mm	320		650		550		600	
	max	mm	720		1100		1100		1200	
Maximum workpiece weight		kg	3000		4000		6000		7000	
Maximum electrode weight		kg	150		200		220		250	
Maximum liquid level of working oil tank		mm	500		600		600		600	
Filter capacity		L	1400		1500*2		1500*2		1500*2	
Fuel tank size (length * width* height)		mm	2460*1600*510		1600*2100*600*2pcs		1800*2000*600*2pcs		1600*2100*600*2pcs	
Overall dimensions (length * width * height)		mm	2500*3000*2550		3300*4500*3250		3850*4800*3550		3800*4900*3700	
Machine tool weight		kg	double 6800		single	9000	single	11000	single	13000
					double	10000	double	12000	double	15000

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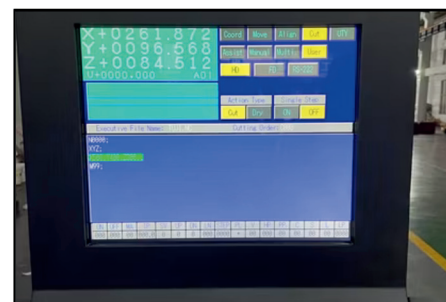
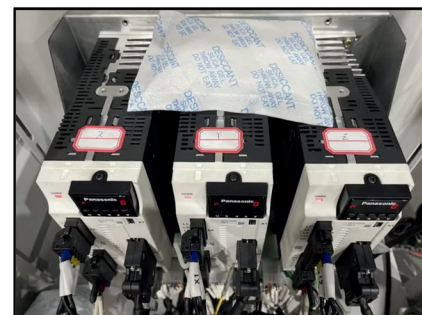
BED MOVEMENT CNC MIRROR EDM



MODEL	Unit	H30CNC	H35CNC	H40CNC	H45CNC
Work table size(L*W)	mm	600*400	600*400	700*400	700*400
X/Y/Z Axis travel	mm	300*210*270	350*250*270	400*300*300	450*350*300
Range of liiquid surface	mm	50~292	50~292	50~292	50~292
Working liquid slot (L*W*H)	mm	940*600*360	940*600*360	1150*660*435	1200*680*450
Max.electrode weight	kg	25	50	50	80
Max workpiece weight	mm	400	400	600	600
Max/Min distance from plate electrode work table	mm	295~565	330~660	295~615	300~600
Positioning accuracy(JIS standard)	mm	5μm/100mm			
Repeat nositioning accuracy(JIS standard)	mm	2μm/100mm			
Tank capacity	L	400	400	600	600
Machine weight	KG	2000	2200	2500	3500
Outside dimension(L*W*H)	mm	1900*1900*2300	1900*1900*2300	2500*2500*2400	2500*2500*2400

CONTROLLER SPECIFICATIONS

Controlled axis	3axis (5axis)
Communication port	USB,LAN
Display mode	15 inch LCD
Input mode	Touch screen/keyboard
Saving mode	SSD
Language	English (UK)
Driving type	Digital AC servo motor
Machining efficiency	300-500mm ³ /min
Electrode loss	0.1%
Optimal finish	0.1μm



Minimum driving unit	0.001
Maximum feed speed	0.1m/min
Movement speed	5m/min
Speed of cutter lifting	10m/min
Processing electric current	50A
Fireproofing	Automatic control
Input power	3PH AC380/415V, 50-60Hz
Power supply cabinet size	1470*700*1960mm
Power supply cabinet weight	360kg
Total power input	9KVA

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