

DMNC-EDM

迪蒙数控

Complete Technical Solution Of EDM Forming Technology

Processing Technology + Products + Service



1260S⁺ 1470S⁺

High Accuracy CNC Die Sinking EDM

Technology and experience since 1978, based on innovation and creation, to provide high performance products and swift service with competitive price.

High Efficiency

High Accuracy

Low Wear



One Year Warranty • Lifelong Service

Beijing Institute of Electro-Machining (BIEM)
Beijing Dimon CNC Technology Co., Ltd. (DMNC)

With excellent processing performance for both graphite electrode and copper electrode

MECHANICAL PARAMETERS

Main Machine Spec	Unit	1260S+	1470S+
Working table Dimension (L*W)	mm	1500 × 800	1600 × 1000
X, Y, Z travel	mm	Single head 800 × 600 × 450	Single head 1000 × 700 × 500
Working tank inner cavity dimension(L*W*H)	mm	2100 × 1250 × 600	2350 × 1390 × 650
Max distance from principal axis to working table	mm	900	1150
Max weight of electrode	kg	150	200
Max weight of workpiece	kg	4000	5500
Positioning accuracy	μm	X/Y/Z whole travel: 15 / 15 / 11	X/Y/Z whole travel: 15 / 15 / 11
Single direction repeat positioning accuracy	μm	X/Y/Z whole travel: 7 / 7 / 5	X/Y/Z whole travel: 7 / 7 / 5
Weight of machine	kg	8400	10500
Dimension of machine(L*W*H)	mm	4000 × 3150 × 2900	5000 × 3711 × 3500
General power input	kw	12.5 / Single head	12.5 / Single head
Input power	v	380	380
CNC power device	/	CNC power cabinet	CNC power cabinet
Max machining current	A	50	50
Best surface finish	μm	Ra≤0.2	Ra≤0.2
Min wear of electrode	%	≤0.1	≤0.1
Max machining efficiency	mm ³ /min	≥1000	≥1000
Interpolation(space motion) method	/	Straight, arc, spiral	Straight, arc, spiral
Accuracy compensation	/	Step error compensation & gap compensation of each axis	Step error compensation & gap compensation of each axis
Min drive unit	μm	1	1
Display	/	15" LCD	15" LCD
Remote control	/	Standard MFR0-3	Standard MFR0-3

NO.	Configuration description
1	LCD display, touch screen input
2	3 axis simultaneous control
3	Superfinishing PIKA circuit-mirror processing function. Better performance in deep narrow groove processing as well as edge and angle clearing
4	Expert processing technology database: automatic and manual processing for electrode and workpiece material combination including: copper/ steel, graphite 1/steel, graphite 2/ steel, copper/aluminum alloy, graphite 1/ aluminum alloy, graphite 2/aluminum alloy, silver tungsten/steel, copper tungsten/steel, silver tungsten/carbide, copper tungsten/carbide, copper/zinc alloy, graphite/zinc alloy, copper/copper alloy
5	AUTO processing function: input processing information such as electrode and workpiece material, processing area, electrode scaling, final best surface finish and the system will automatically calculate processing parameter based on expert processing technology database and automatically complete the whole process from rough machining to finish machining
6	Automatic positioning function: end face positioning, angular positioning, column center positioning, hole center positioning, circle center positioning of arbitrary three points, discharge position alignment
7	Online measurement function: Utilize automatic positioning function to measure and correct the machined workpiece online
8	Automatic arc clearing: Real time monitoring of machining gap in EDM, in case of slight short circuit and arcing, clear the arc and give an alarm in time
9	Safety control function: overloading protection, code syntax detection, working liquid level control, working liquid temperature control, inverted fire extinguisher
10	Power off reset function: The machine can memorize the coordinate value of the current coordinate system. In case of sudden power failure, the set coordinate value can be found after restarting
11	Working liquid tank door control: manual control

Due to continuous technical improvement, it may be subject to change without prior notice