

# DMNC-EDM

迪蒙数控

## Complete Technical Solution Of EDM Forming Technology

Processing Technology + Products + Service

### 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.

# P40

High Accuracy

Low Wear

High Efficiency



### One Year Warranty • Lifelong Service

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

Abundant database of EDM processing technology, up to 11 types of electrode and material combination, material ranges from normal steel, aluminum alloy, zinc alloy, to copper and etc. . Electrode ranges from copper, graphite, tungsten copper alloy to silver tungsten alloy and etc. It is capable of jobs from simple single cavity to complex profile of high accurate requirement, and satisfying various challenge of molds and components manufacturing.

# P40

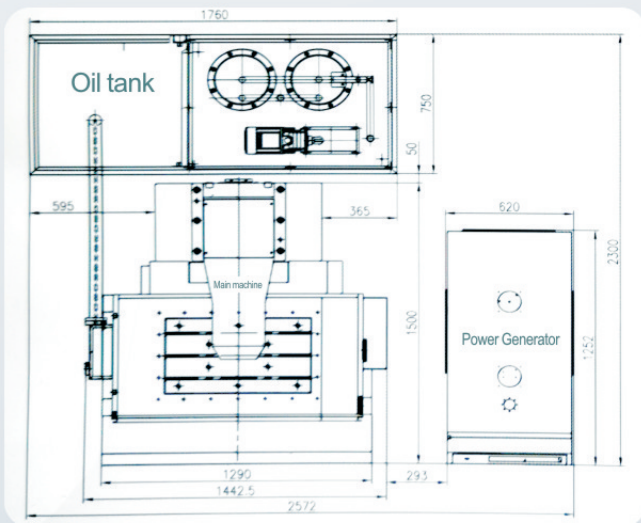
## High Precision CNC EDM Machine

Mirror Surface Finish, High Efficiency

### Specification of main machine

Working table dimension(L×W)	mm	700x400
X, Y, Z travel	mm	400x300x320
Working tank dimension(L×W×H)	mm	1200x680x440
Max distance from electrode holder to working table	mm	585
Max weight of electrode	kg	25
Max weight of workpiece	kg	400
Positioning accuracy	μ m	11
Single direction repeat positioning accuracy	μ m	5
Weight of machine(without working liquid)	kg	2600
Dimension of machine(L×W×H)	mm	1545x1523x2331
Highest level of working liquid	mm	290
Capacity	L	590
Filtering method		Changeable paper filter

### Layout of machine unit: mm



### CNC Controller

Max machining current	50A
General power output	9KVA
Input power	220V/380V
Best surface finish	Ra≤0.15 μ m
Min wear of electrode	≤0.1%
Max machining efficiency	≥500mm <sup>3</sup> /min
Standard processing technology	Copper-steel, minuteness copper-steel, graphite-steel, copper tungsten-steel, minuteness copper tungsten-steel, graphite 2-steel, copper tungsten-carbide, copper-aluminum, generating processed copper-steel
Interpolation method	Straight, arc, spiral
Compensation of each axis	Step error compensation, gap compensation
Number of control axis	3 axis simultaneous control 4 axis simultaneous control (optional)
Resolution of each axis	0.4 μ m
Min drive unit	1 μ m
Input method	USB, touch screen
Display	15" LCD
Memory device	Industrial level USB memory
Remote control	Standard
Position command	Absolute / increment
Input range	± 9999.999mm
Electric discharging condition register function	1000 ( C000-C999 )
Orbital function condition	1000 ( H000-H999 )
Number of program	from N00000000 to N00000000
Sub-application level	50
Number of coordinate	60
Drive mode	AC Servo

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