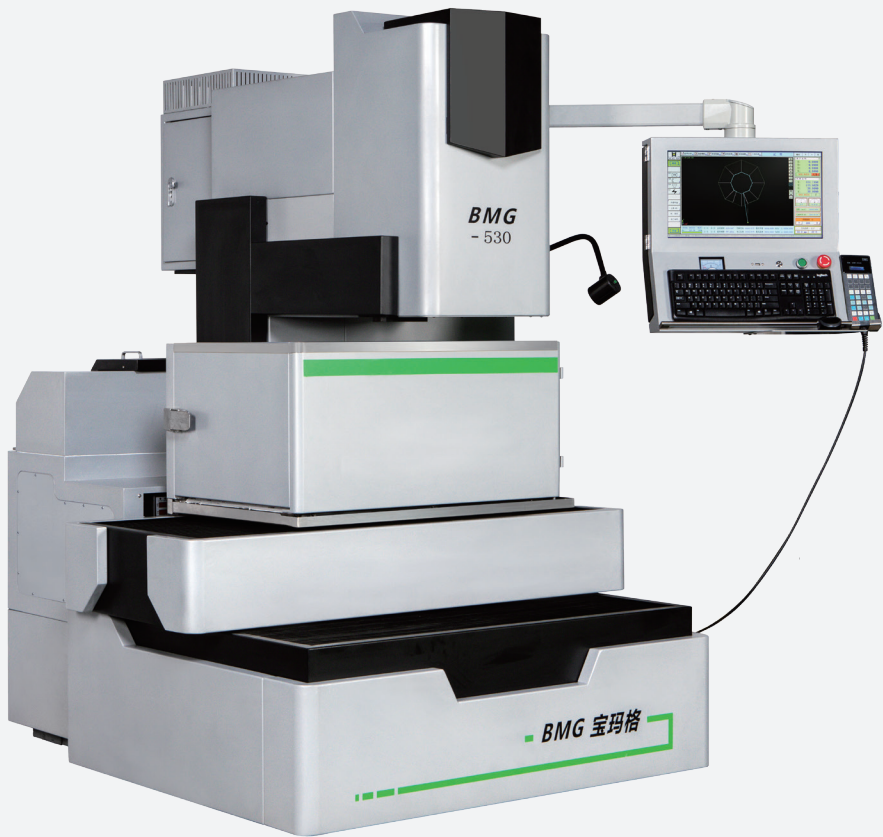




Suzhou BMG Precision Machinery Co.,Ltd

Mid-speed Wire-cut Electrical Discharge Machining

Product model BMG530BW/±10°



floor area
only 2.95 m²

Main technical parameters >>>

Model	BMG530BW
Workbench Size (mm)	920×654
Worktable travel (W*L) (mm)	500×350
Maximum cutting thickness (mm)	300
Maximum load (kg)	600
Z-axis travel (mm)	300
Travel of U, V Axes (mm)	90×90
Standard cutting taper (°/mm)	±12°/100
Diameter of molybdenum wire (mm)	0.1-0.2
Multi-knife cutting accuracy (mm) (15×15 Equilateral Hexagon, Cr12, S=40)	≤±0.003
Repeat positioning accuracy (mm)	≤±0.002
Optimum surface roughness(μm)	Ra≤0.8 (Optional 0.4)
Processing speed (mm²/min)	100 ~ 220
Dimension(L*W*H) (mm)	1781×1660×2030
Weight (kg)	≈2050
Electrical power consumption (KVA)	3
Work tank capacity (L)	120

Main features of this machine >>>

High-performance standard model >>>

01	Fully automatic AR parallel compensation, can be leveled without hitting the meter	03	Human-machine dialogue, ordinary operators quickly become professional masters
02	The U, V and Z axes are manufactured according to the X, Y axes standard, with mechanical and electrical integration, beautiful and small footprint	04	Five-axis CNC, realizing the function of "one-key reclaiming"

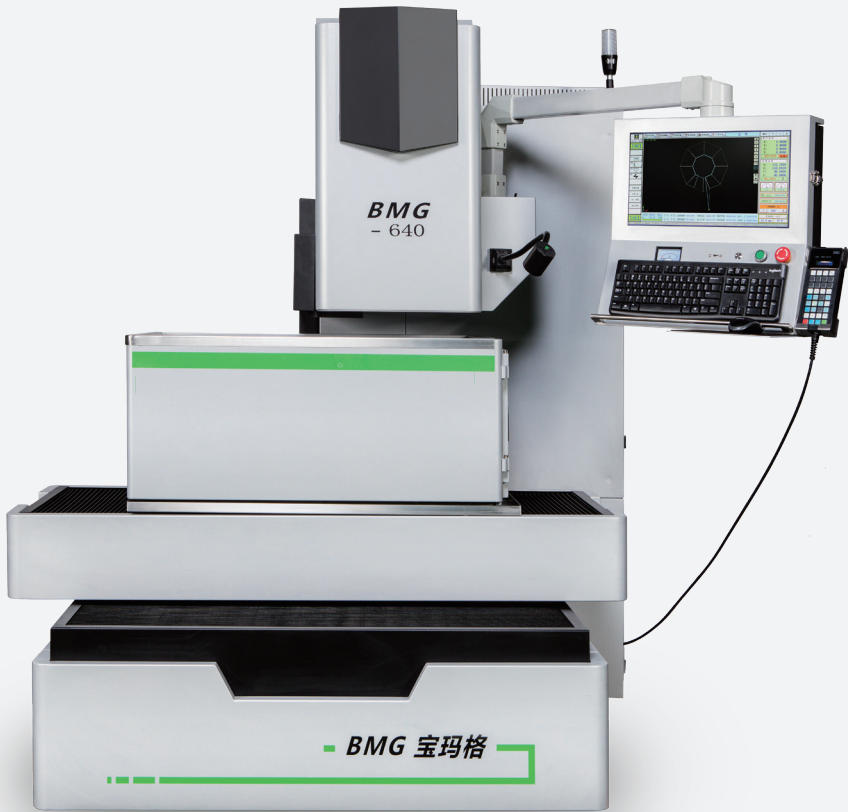
Easy to learn and operate, apprentices can quickly become master technicians, with five-axis CNC system core technology, which is completely self-developed	Nanosecond anti-electrolysis high-peak pulse power supply, the actual processing speed can reach 200mm²/min	After tens of thousands of actual processing, an "intelligent database" has been developed, which only needs to input the processing requirements	Using flat plate high-thrust linear motor, high-precision imported optical ruler, the accuracy requirements can be maintained longer, no need to replace the guide screw, bearing, etc. of the machine tool at a high price
01 Handy	02 Efficient	03 Intelligent	04 Optional



Suzhou BMG Precision Machinery Co.,Ltd

Mid-speed Wire-cut Electrical Discharge Machining

Product model BMG640BW/±10° Handy Efficient Intelligent Economical



floor area
only 3.36 m²

Main technical parameters >>>

Model	BMG640BW
Workbench Size (mm)	1050×717
Worktable travel (W*L) (mm)	600×400
Maximum cutting thickness (mm)	300
Maximum load (kg)	900
Z-axis travel (mm)	300
Travel of U, V Axes (mm)	90×90
Standard cutting taper (°/mm)	±12°/100
Diameter of molybdenum wire (mm)	0.1-0.2
Multi-knife cutting accuracy (mm) (15×15 Equilateral Hexagon, Cr12, S=40)	≤±0.003
Repeat positioning accuracy (mm)	≤±0.002
Optimum surface roughness(μm)	Ra≤0.8 (Optional 0.4)
Processing speed (mm²/min)	100 ~ 220
Dimension(L*W*H) (mm)	1920×1750×2100
Weight (kg)	≈2500
Electrical power consumption (KVA)	3
Work tank capacity (L)	120

Main features of this machine >>>

Easy to learn and operate, apprentices can quickly become master technicians, with five-axis CNC system core technology, which is completely self-developed

01 Handy

Nanosecond anti-electrolysis high-peak pulse power supply, the actual processing speed can reach 200mm²/min

02 Efficient

After tens of thousands of actual processing, an "intelligent database" has been developed, which only needs to input the processing requirements

03 Intelligent

Using flat plate high-thrust linear motor, high-precision imported optical ruler, the accuracy requirements can be maintained longer, no need to replace the guide screw, bearing, etc. of the machine tool at a high price

04 Optional

High-performance standard model >>>

01 Fully automatic AR parallel compensation, can be leveled without hitting the meter

02 The U, V and Z axes are manufactured according to the X, Y axes standard, with mechanical and electrical integration, beautiful and small footprint

03 Human-machine dialogue, ordinary operators quickly become professional masters

04 Five-axis CNC, realizing the function of "one-key reclaiming"



Suzhou BMG Precision Machinery Co.,Ltd

Mid-speed Wire-cut Electrical Discharge Machining

Product model BMG850BW/±10°



floor area
only 4.5 m²

Main technical parameters >>>

Model	BMG850BW
Workbench Size (mm)	1520×762
Worktable travel (W*L) (mm)	800×500
Maximum cutting thickness (mm)	400
Maximum load (kg)	1500
Z-axis travel (mm)	400 (CNC)
Travel of U, V Axes (mm)	90×90
Standard cutting taper (°/mm)	±12°/100
Diameter of molybdenum wire (mm)	0.1-0.2
Multi-knife cutting accuracy (mm) (15×15 Equilateral Hexagon, Cr12, S=40)	≤±0.005
Repeat positioning accuracy (mm)	≤±0.003
Optimum surface roughness(μm)	Ra≤0.8 (Optional 0.4)
Processing speed (mm²/min)	100 ~ 220
Dimension(L*W*H) (mm)	2190×2100×2780
Weight (kg)	≈3260
Electrical power consumption (KVA)	3
Work tank capacity (L)	120

Main features of this machine >>>

Easy to learn and operate, apprentices can quickly become master technicians, with five-axis CNC system core technology, which is completely self-developed

01 Handy

Nanosecond anti-electrolysis high-peak pulse power supply, the actual processing speed can reach 200mm²/min

02 Efficient

After tens of thousands of actual processing, an "intelligent database" has been developed, which only needs to input the processing requirements

03 Intelligent

Using flat plate high-thrust linear motor, high-precision imported optical ruler, the accuracy requirements can be maintained longer, no need to replace the guide screw, bearing, etc. of the machine tool at a high price

04 Optional

High-performance standard model >>>

- 01 Fully automatic AR parallel compensation, can be leveled without hitting the meter
- 02 The U, V and Z axes are manufactured according to the X, Y axes standard, with mechanical and electrical integration, beautiful and small footprint
- 03 Human-machine dialogue, ordinary operators quickly become professional masters
- 04 Five-axis CNC, realizing the function of "one-key reclaiming"



Suzhou BMG Precision Machinery Co.,Ltd

Mid-speed Wire-cut Electrical Discharge Machining

Product model BMG1080BW/±12°



floor area
only 7.1 m²

Main technical parameters >>>

Model	BMG1080BW
Workbench Size (mm)	1780×1172
Worktable travel (W*L) (mm)	1000×800
Maximum cutting thickness (mm)	500
Maximum load (kg)	5000
Z-axis travel (mm)	500 (CNC)
Travel of U, V Axes (mm)	90×90
Standard cutting taper (°/mm)	±12°/100
Diameter of molybdenum wire (mm)	0.1-0.2
Multi-knife cutting accuracy (mm) (15×15 Equilateral Hexagon, Cr12, S=40)	≤±0.005
Repeat positioning accuracy (mm)	≤±0.005
Optimum surface roughness(μm)	Ra≤0.8 (Optional 0.4)
Processing speed (mm²/min)	100 ~ 220
Dimension(L*W*H) (mm)	2962×2400×2495
Weight (kg)	≈6050
Electrical power consumption (KVA)	3
Work tank capacity (L)	120

Main features of this machine >>>

Easy to learn and operate, apprentices can quickly become master technicians, with five-axis CNC system core technology, which is completely self-developed

01 Handy

Nanosecond anti-electrolysis high-peak pulse power supply, the actual processing speed can reach 200mm²/min

02 Efficient

After tens of thousands of actual processing, an "intelligent database" has been developed, which only needs to input the processing requirements

03 Intelligent

Using flat plate high-thrust linear motor, high-precision imported optical ruler, the accuracy requirements can be maintained longer, no need to replace the guide screw, bearing, etc. of the machine tool at a high price

04 Optional

High-performance standard model >>>

- 01 Fully automatic AR parallel compensation, can be leveled without hitting the meter
- 02 The U, V and Z axes are manufactured according to the X, Y axes standard, with mechanical and electrical integration, beautiful and small footprint
- 03 Human-machine dialogue, ordinary operators quickly become professional masters
- 04 Five-axis CNC, realizing the function of "one-key reclaiming"

Model and parameters of W-series

Model		BMG1210W	BMG1612W	BMG2012W	BMG2516W
Workbench Size	(mm)	1650×1050	2200×1200	2400×1200	3100×1500
Worktable travel (W*L)	(mm)	1200×1000	1600×1200	2000×1200	2500×1600
Maximum cutting thickness	(mm)	500/800/1000	500/800/1000	500/800/1000	500/800/1000
Maximum load	(kg)	6000	8000	9000	10000
Z-axis second travel	(mm)	300	300	300	300
Travel of U, V Axes	(mm)	35×35	35×35	35×35	35×35
Standard cutting taper	(°/mm)	±3°/100	±3°/100	±3°/100	±3°/100
Diameter of molybdenum wire	(mm)	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2
Multi-knife cutting accuracy (15×15 Equilateral Hexagon, Cr12, S=40)	(mm)	≤±0.005	≤±0.005	≤±0.005	≤±0.005
Repeat positioning accuracy	(mm)	≤±0.003	≤±0.003	≤±0.003	≤±0.003
Optimum surface roughness	(μm)	Ra≤0.8 (Optional 0.4)	Ra≤0.8 (Optional 0.4)	Ra≤0.8 (Optional 0.4)	Ra≤0.8 (Optional 0.4)
Processing speed	(mm ² /min)	100 ~ 220	100 ~ 220	100 ~ 220	100 ~ 220
Dimension(L*W*H)	(mm)	2600×2900×2200	3300×3200×2200	3800×3200×2200	4600×4200×2200
Electrical power consumption	(KVA)	3	3	5	5
Work tank capacity	(L)	120	120	120	120

Model and parameters of BW-series

Model		BMG800	BMG1370
Maximum workpiece size	(mm)	1100×800×300	1500×900×300
Maximum workpiece weight	kg	1200	2000
Travel of U, V Axes	(mm)	800×600	1300×700
Z-axis travel	(mm)	300	300
Travel of U, V Axes	(mm)	100×100	100×100
Maximum cutting taper	(°/mm)	±20°/80	±20°/80
Electrode wire diameter	(mm)	0.15 ~ 0.30	0.1 ~ 0.3
Max weight of electrode wire	kg	5	5
Weight (kg)	kg	5600	6860
Control device	(μm)	BMG WEDM-LS five-axis control system V1.3	BMG WEDM-LS five-axis control system V1.3
Max processing speed		Above 200 mm²/min (φ0.3 Copper wire, SKD11, 60 mm thick)	Above 200 mm²/min (φ0.3 Copper wire, SKD11, 60 mm thick)
Optimum machining accuracy		±2μm (SKD11, 20 mm thick)	±2μm (SKD11, 20mm thick)
Optimum surface roughness		Ra 0.4μm (Tungsten steel, 20 mm thick)	Ra 0.4μm (Tungsten steel, 20 mm thick)



Suzhou BMG Precision Machinery Co.,Ltd

Low-speed Wire-cut Electrical Discharge Machining

Product model BMG600



High-performance standard model >>>



Main technical parameters >>>

Model	BMG600
Maximum workpiece size (mm)	1080×740×250
Maximum workpiece weight (kg)	800
Travel of U, V Axes (mm)	600×400
Z-axis travel (mm)	300
Travel of U, V Axes (mm)	100×100
Maximum cutting taper (°/mm)	±20 °/80
Electrode wire diameter (mm)	0.1 ~ 0.3
Max weight of electrode wire (kg)	15
Weight (kg)	4060
Control device	BMG WEDM-LS five-axis control system V1.0
Max processing speed	Above 300 mm²/min (φ0.3 Copper wire, SKD11, 60 mm thick)
Optimum machining accuracy	±2 μm (SKD11, 20 mm thick)
Optimum surface roughness	Ra 0.2μm (Tungsten steel, 20 mm thick) (with refinement power supply)

Main features of this machine >>>

- 01 Handy

Easy to learn and operate, apprentices can quickly become master technicians, with five-axis CNC system core technology, which is completely self-developed
- 02 Efficient

Nanosecond anti-electrolysis high-peak pulse power supply, the actual processing speed can reach 200mm²/min
- 03 Intelligent

After tens of thousands of actual processing, an "intelligent database" has been developed, which only needs to input the processing requirements
- 04 Optional

Using flat plate high-thrust linear motor, high-precision imported optical ruler, the accuracy requirements can be maintained longer, no need to replace the guide screw, bearing, etc. of the machine tool at a high price