



MS POWERDRIVE PVT LTD

Perfect EDM Solution

HIGH SPEED – FIVE AXES WEDM MACHINE



All Types of EDM Machine Sales, Spares & Service

MS POWER DRIVE PVT LTD

SF No 209/7, S M NAGAR, KURUDAMPALAUAM VILLAGE, IDIKARAI, COIMBATORE-641022.

Sales: mSPowerdriveprivitelimited@gmail.com +91 97888 31421

Service: edmmachineservices@gmail.com +91 75388 91421

Spares: edmpachinespares@gmail.com +91 63855 91421

Website: www.powerdriveedm.in

AC CUT HMI

New Functions of Innovative Human-Computer Interface

- The intuitive and orderly interface is more convenient for users to learn and master quickly.
- With the newly designed " One Hand Operation " mobile control box, multi cavity programming and rapid setting of various processes can be realized.



1. FILE MANGEMENT

Manage multi format processing files, can check and correct the selected files to be processed, such as code, compensation, etc. Preset the select processing intelligent auxiliary items, make optimal processing for special angle clearing, graphic rotation, mirror image, etc. The simple program setting without programming makes the processing more convenient. One click compensation update function makes the matching accuracy easier to control. Support a variety of code formats, integrate the simplicity of WEDM-HS, the practicality of WEDM-MS and the intelligence of WEDM-LS, the selection of programming master workers will be more handy.



2. PREPARE MACHINING PROGRAM

Simulate the code files being processed or to be processed, check and verificate to make preparations before processing. Check program limits and related process parameters. It supports the rapid conversion of code into graphics to check the offset interference and the physical contour of the model. It can also be run in a single segment to check the code and the corresponding program segment data.



3. EXECUTION AND DETECTION

A variety of automatic reference search methods allow users to complete the correction more quickly and efficiently. The high intelligent AR function makes the WEDM-MS and WEDM-LS convenient and efficient at the same time. Preset vertical point, automatic vertical alignment, one key reset, etc.



4. MANUAL MODE

Enter the main function execution setting interface of the machine tool. Implement the management settings of user parameters, mechanical parameters and other related functions. Allows you to set and perform operations related to Chinese and English windows and axis shifting speed. Set the necessary parameters and coordinate display mode of taper machining. It is allowed to set and execute the settings of relevant mechanical pitch compensation parameters, elevant test data tables can be modified, entered and used. Set the mechanical travel and set the type selection of shaft.



5. MANAGEMENT AND RETURN TO ZERO FUNCTION.

Manage the consumption of EDM wire, deionized resin and filter. Allows users to set preferences and adjust user personalization. It allows to set and calibrate machine functions, perform work axis reset and return to mechanical origin. Displays the current system settings and allows multiple system updates.



FEATURES OF BW SERIES PRODUCTS

1. BMG-Cut Programming Software.
2. BMG WEDM LS Five axis control system V1.3.
3. Five axis High-strength and High-precision mechanical transmission.
4. Processing database.
5. WEDM LS-type High-strength work bench.
6. Wire conveying parts.
7. The machine tool.
8. Ball guide screw and Linear guide.
9. Mobile manual control box.
10. Water retaining cover.
11. Environmental protection water tank.



HIGH-SPEED WEDM Machine



Model No: 430W±6°



Model No: 530W±10°



Model No: 850W±10°



Model No: 1080W±10°

Main features of this machine

High-performance standard model

- Graphic rotation
- The U, V and Z axes are manufactured according to the X, Y axes standard, with mechanical and electrical integration, beautiful and small footprint.
- Human-machine dialogue, ordinary operators quickly become professional masters.
- Five-axis CNC and X, Y-axes AC servo motor.

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

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

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

05. Optional sing 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.

Model	Unit	SMG430W±6°	SMG530W±10°	SMG640BW±10°	SMG850BW±10°	SMG1080BW±10°
Maximum workpiece size	mm	800 x 525	775 x 525	1000 x 720	1305 x 765	1745 x 1170
Workbench Size	mm	620 x 420	690 x 490	880 x 560	1000 x 700	1330 x 1040
Worktable travel	mm	400 x 300	500 x 350	600 x 400	800 x 500	1000 x 800
Max Cutting Thickness	mm	300	300	300	400 CNC	500
Max. Load	Kg	300	500	900	900	5000
Z-Axis Travel	mm	300	300	300	300	500 CNC
Travel U&V Axis	mm	30 x 30	70 x 70	70 x 70	70 x 70	70 x 70
Standard Cutting Tapper	°/mm	±6°/100	±10°/100	±10°/100	±10°/100	±10°/100
Molybdenum Wire Diameter	mm	0.1 ~ 0.2	0.1 ~ 0.2	0.1 ~ 0.2	0.1 ~ 0.2	0.1 ~ 0.2
Optimum Surface roughness	μm	Ra ≤0.8 (0.4)	Ra ≤0.8 (0.4)	Ra ≤0.8 (0.4)	Ra ≤0.8 (0.4)	Ra ≤0.8 (0.4)
Processing Speed	mm ² /min	100 ~ 200	100 ~ 200	100 ~ 200	100 ~ 200	100 ~ 220
Dimension	mm	1818x1550x1870	1781x1593x2028	1920x1750x2100	2190x2100x2780	2962x2400x2495
Weight	Kg	~1800	~1900	~2500	~3260	~6050
Electrical Power	KVA	3	3	3	3	3
Work Tank Capacity	Lit	120	120	120	120	120
Floor Area	m ²	2.81	2.83	3.36	4.5	7.1

All Types of EDM Machine Sales, Spares & Service

M S POWER DRIVE PVT LTD

SF No 209/7, S M NAGAR, KURUDAMPALAUAM VILLAGE, IDIKARAI, COIMBATORE-641022.

Sales: mspowerdriveprivitelimited@gmail.com +91 97888 31421

Service: edmmachineservices@gmail.com +91 75388 91421

Spares: edmpachinespares@gmail.com +91 63855 91421

Website: www.powerdriveedm.in