

HIGH SPEED CNC WIRE CUT EDM

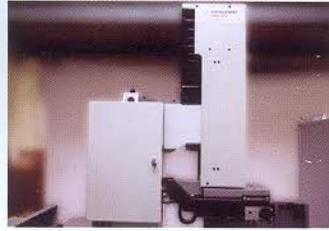


Max. Cutting
speed - 150*
mm²/min.

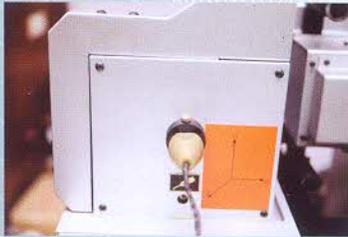


- Japanese YASKAWA servo drives for X,Y axis
- Motorized Z Axis
- Auto Wire Tension Device
- L.M. Guide Ways for X,Y Axes
- Reusable Molybdenum Wire Technology
- Closed Loop Control System

FEATURES



Motorized Z Axis



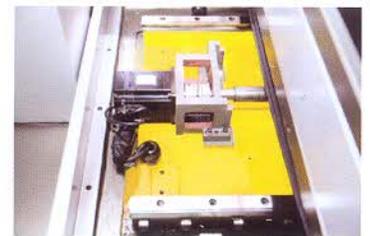
Special Arrangement for Aluminium Cutting



Manual Pulse Generator



Two Stage Magnetic Coolant Filter



X,Y Axes Servo Motor Drive



Auto Wire Tension Device

TECHNICAL SPECIFICATIONS

| MODEL | BM400C-C | BM500C-C | BM500D-C | BM630D-C | BM800D-C |
|--------------------------------|-----------|-----------|-----------|-----------|------------|
| Table travel X, Y axis (mm) | 320 x 400 | 400 x 500 | 400 x 500 | 500 x 630 | 630 x 800 |
| Table size L x W (mm) | 415 x 635 | 500 x 785 | 500 x 785 | 600 x 900 | 660 x 1100 |
| Max. Work piece thickness (mm) | 300 | 300 | 500 | 500 | 500 |
| Max. taper / 100mm thickness | ±3° | ±3° | ±3° | ±3° | ±3° |
| Max. work piece weight (Kg) | 400 | 500 | 500 | 800 | 3000 |
| Machine weight (Kg) | 1800 | 2000 | 2000 | 2300 | 4500 |

CNC CONTROLLER

| | |
|---------------------------------|---|
| Controller | CNC with LCD Monitor |
| Control system | Japanese YASKAWA servo control system |
| P.C | Industrial PC |
| Axis control | 4 axes (X, Y, U & V) |
| Max. jog speed | 6000mm / min |
| Resolution | 0.001mm |
| Interpolation | Linear and circular |
| Programming | Incremental |
| Least input increment | 0.001mm |
| Least command input | ±0.001mm |
| Data input / output system | USB port, regular keyboard and mouse; can read AutoCAD dxf. |
| Input power supply / Total load | 3 Phase, 415 V, 50 Hz with Neutral and Earth / 3 KVA |
| Max. working current | 8 A |
| Display | Graphic display of part showing wire position |
| Processing and Data entry | New programs can be entered while cutting previous program |
| Operating software | BMXP system software works on Windows 7 operating platform |

OTHER FEATURES

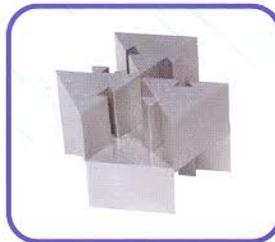
- Max. cutting speed – 150 mm²/min. *
- Machining accuracy – 0.01mm *
- Best surface finish ≤ 1 μRa *
- Wire tension - Automatic servo controlled wire tension devise
- Wire frame – Z axis motorized 'C' type
- Precision L.M. guide ways and ball screws
- Special arrangement for Aluminium cutting
- Wire electrode – Dia. 0.18mm (Std.), 0.10, 0.12 and 0.15 (Optional)
- Dielectric tank / capacity - Two stage magnetic and stainless steel mesh filter / 55 liters Soft water (D.M. Water) + Gel
- Inbuilt large capacity database. User can call and store the cutting parameter data
- Two axes DRO (Std.) for X, Y axis for quick job setting
- No AC required up to 40° C
- No need to change wire guide for different wire diameters
- 4 axis synthesizer to cut different profiles at top and bottom
- Inbuilt NCCAD software to generate profiles
- Auto centre find, auto edge find, auto shut off at wire breakage and auto stop at the end of job

Installations all over India



SALES AND SERVICE NETWORK

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Note: Due to continuous Engineering improvements, specifications are subject to change without prior notice - *At standard test conditions.



CONCORD
Wire EDM

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