# OUR PRODUCTS RANGE



CNC EDM NEXT GEN V1.1 (Pg. No. 03)



HIGH PRECISION MIRROR CNC EDM
AUTOMATIC LIFTING OIL TANK (Pg. No. 04)



CNC EDM (Pg. No. 05)



CNC EDM (Pg. No. 06)



ZNC EDM DC SERVO (Pg. No. 07)



ZNC EDM AC SERVO (Pg. No. 08)



DRILL EDM NEXT GEN (Pg. No. 09)



CNC DRILL EDM (Pg. No. 10)



WIRE CUT EDM STEPPER (Pg. No. 11)



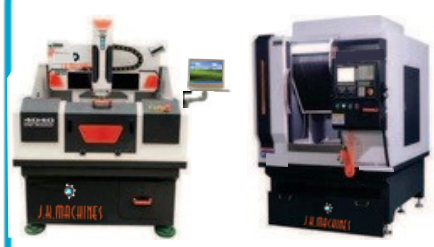
WIRE CUT EDM SERVO (Pg. No. 12)



MOULD LASER WELDING (Pg. No. 13)



LASER MARKING/ENGRAVING
MICRO TIG WELDINNG (Pg. No. 14)



CNC ENGRAVING (Pg. No. 15 & 16)



CNC ENGRAVING (Pg. No. 15 & 16)



CNC WOOD ROUTER (Pg. No. 17)



CUTTER GRINDER'S (Pg. No. 18)



DIGITAL READOUT (Pg. No. 19)



CONSUMABLES/SPARES (Pg. No. 20)



VERTICAL TURRET MILLING (Pg. No. 21)




HYDRAULIC SURFACE GRINDER (Pg. No. 22)



ALL GEARED LATHE (Pg. No. 23)



RADIAL DRILL MACHINE (Pg. No. 24)



VERTICAL MOULDING (Pg. No. 25)




ELECTRICAL SCOOTY (Pg. No. 26)

# ZNC EDM (DC SERVO)

## Salient Features

- Seven Segment
- Programmable Z axis
- 10 Step, 10 Programs storage
- Built in 3 axis DRO
- Integral design and compact footprint
- Precision co-ordinate table on flat & V type turcide
- coated guide ways driven by ball screw
- Double door large work tank for ease of loading & unloading of work piece
- Oil level alarm, Oil temperature alarm
- Highly accurate work head with the quill running on pre-loaded cross roller bearing
- High speed quill movement with DC servo motor
- Motorized back slide travel (ZNC-35 onwards)
- Hand held full function remote control (80A,100A & 40AL)
- X,Y,Z lock function
- Mm & inch function
- Reverse servo machining
- Safe & stable no arc machining
- Like to like material machining
- Calibrated EDM technology
- Fire extinguisher, Smoke detector alarm
- Sleep mode, Auto mode
- Power efficient high pressure dielectric pump
- Oil filtration with 20 micron paper filter

## Standard Accessories

- Axis corrector withfine adjustment
- Flat electrode holder
- Round electrode holding chuck
- Machine lamp
- Flushing aids
- Clamping kit
- Leveling pad
- Tool kit







## Job Sample



## Optional Accessories

- Servo stabilizer
- Edm oil
- Orbital attachment
- Translatory head
- Magnetic chuck
- LCD color display

| Technical Specification | Unit | ZNC-30 | ZNC-35 | ZNC-45 | ZNC-50 | ZNC-70 |
|---|---|---|---|---|---|---|
| Working tank ( WxDxH) | mm | 850x550x320 | 980x560x380 | 1250x730x450 | 1460x880x530 | 2000x1100x600 |
| Working table | mm | 300x500 | 350x630 | 450x700 | 500x800 | 700x1200 |
| Longitudinal travel ( X ) | mm | 300 | 350 | 450 | 500 | 700 |
| Transverse travel ( Y ) | mm | 200 | 250 | 350 | 400 | 600 |
| Quill travel ( Z ) | mm | 200 | 200 | 250 | 250 | 300 |
| Back slide travel | mm | ----- | 200 | 250 | 250 | 300 |
| Quill to working table | mm | 580 | 700 | 730 | 800 | 1000 |
| Max. electrode weight | kg | 50 | 50 | 75 | 100 | 150 |
| Max. workpiece weight | kg | 300 | 500 | 700 | 1000 | 2000 |
| Oil tank capacity | Ltr. | 300 | 350 | 400 | 500 | 600 |
| Servo system for Z axis | | | | DC Servo | | |
| Machine weight | kg | 1200 | 1300 | 1600 | 1900 | 3500 |
| Machine dimension (LxWxH) | mm | 1320x1150x2060 | 1350x1210x2100 | 1485x1420x2150 | 1600x1600x2200 | 2100x2000x2600 |
| | | Pulse Generator | | | | |
| | | 40A / 40AL | 80A / 80AL | | | 100A / 100AL |
| Max. working current | amp | 40 | 80 | | | 100 |
| Max. MRR | $mm^3$/min | 200 | 500 | | | 600 |
| Min. electrode wear | % | <0.2 | | | | |
| Best surface finish | Ra | 0.5 | | | | |
| Input power supply | V | 3 Phase, AC 415V, 50 Hz | | | | |
| Connected load | kVA | 4 | 8 | | | 12 |
| Controller weight | kg | 110 | 200 | | | 250 |
| Controller dimension (LxWx | mm | Fitted with machine | 800x540x1700 | | | 800x540x2000 |

**40A/80A/100A - 7 Segment Display | 40AL/80AL/100AL - LCD Display (Optional)**

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