

*A cost-effective solution for
a variety of applications*



C-400 x 250

Electric Discharge Machine



Features

- DC Servo with speed-up function (650 mm per min.)
- Integral design with compact footprint
- NRB for co-ordinate table
- Impulse flushing
- Adjustable overflow
- Day/Night mode for 24 hours operation
- Reverse servo for reverse sparking
- Reverse polarity for easy operation
- Multistage anti-arc
- Like-to-like machining
- MOSFET for superior finish
- Carbide cutting

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Electric Discharge Machine

Long-life Sturdy Machine Tool

- Box-type construction with rectangular cross-section and heavy ribbing duly stress-relieved
- Highly deflection-resistant with excellent dynamic and static rigidity

Highly Accurate Work-head

- Hardened and ground rhomboidal quill
- Pre-loaded anti-friction needle roller bearings for the quill
- Plunger type dial indicator

Precision Co-ordinate Table

- Table made from close-grained casting to ensure structural stability
- Precision-ground screws with double lock nut for backlash adjustment
- Symmetric guideways to nullify thermal expansion
- Independent locking to make slides free from transverse forces
- Repeat positioning accuracy of 0.005 mm assured by the use of needle roller bearings for the table

Job Sample



Safety Interlocks

- Input supply over-voltage / under-voltage cut-off
- Low level safety shut-off (LL)
- Preset depth (PSD)
- Z-Upper Limit Switch (ULS)

Optional Accessories

- Digital Read-Out system
- Universal electrode holder
- Flush aid
- Set of clamps

Technical Specifications

Machine Tool

Work tank	650 x 400 x 280 mm
Work table size	400 x 250 mm
Table traverse	220 x 150 mm
Max. workpiece weight	100 kg
Max. workpiece height	160 mm
Max. electrode weight	50 kg
Z axis traverse	150 mm
Types of table assembly	Needle roller bearings
No. of T slots	3
T slot size	10 mm
Least count of vernier	0.005 mm

Generator

Max. working current	20 + 2 Amp.
No. of power settings	99 x 9
Max. MRR (Copper to Steel)	150 mm ³ /min.
(Graphite to Steel)	250 mm ³ /min.
(Steel to Steel)	80 mm ³ /min.
Min. electrode wear	≤ 0.1 %
Surface finish	0.8 μ Ra
Connected load	2 kVA
Servo system	DC servo
Power supply	3 phase, 415 V* AC, 50 Hz

PF Unit

Dielectric capacity	150 Litres
Filter element	10 micron paper filter
Dielectric pump motor rating	1 HP 3 Ø
Total weight	700 kg
Machine dimensions (W x D x H)	1500 x 1500 x 1900 mm

In keeping with our constant endeavour to meet market needs, we reserve the right to alter or change the specifications mentioned without prior notice.

Nationwide Sales & Service Network

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