

# EDM DRILL

## Features Mechanical

- Two Part Design
- Low Working Height
- Ball Screw For X & Y Axis And L.M. Guide Ways For Z Axis.
- S.S. Steel Tank With S.S. Steel Body Coolant Pump
- S.S. Accumulator For Constant Pressure
- Variable Pressure Setting Of Coolant 0 To 100 Kg/Cm2
- Safety Pressure Switch For Over Coolant Pressure

## Features - Generator / Electrical (MOSFET) :

- 100% Indigenous Controller
- 100% Spares Availability In Local Market
- DC Stepper Motor With Belt Drive
- Special Circuit For Deep Drilling
- Safety Interlocks Present
- Current Booster For High Speed Drilling Operation



## Standard Accessories :

- DRO – 3 Axis • Brass Electrodes: Dia 1.0mm X 400mm Length - 10 Nos. • Bakelite Guide Size 1.0mm:- 02 Nos • Rubber Stopper : - 05 Nos. • Dia. M12 X 250mm Length Stud & Nut Along With Strap Clamp - 2 Nos. • Machine Lamp - 1 No • Pumping System • Operating Instruction & Maintenance Manual • 9. Tool Kit,

**Note :** Some of the accessories are fitted on the machine.

## Optional Accessories/ Consumables :

- 1. Ruby guide 0.3~3.0mm • 2. Brass / Copper electrodes 0.3~3.0mm • 3. Rubber stoppers • 4. Seal kit
- 5. V block for holding long pins

## Optional Features :

- 1000mm Electrode Holding Arrangement Possible
- Suction Arrangement For Deep Cavity Drilling
- Special Electrodes for Drilling From 3.1 to 10mm

## Applications :

- Start Holes For Wire Cut EDM
- Gas Escape Holes
- Drilling In Super Alloys and Tungsten Carbide Dies
- Can Work On Spherical, Curved And Tapered Work Pieces.
- Ejector Pins, Cooling Pins of Pen Moulds.
- Air Vent Holes For Forging Die



Speed I

Specifications of EDM Drill			
Machine Tool	Unit	Speed I	Speed II
Work Table	mm	400 x 300 (Stainless Steel)	550 x 350 (Stainless Steel)
X Travel	mm	200	350
Y Travel	mm	150	250
Z Travel	mm	300	
Guide Travel Z2 (Motorised)	mm	150	
Electrode Pipe Dia	mm	0.3 – 3.0	
Max. Job Weight	Kgs	300	350
Max. Job Height	mm	310	
Max. Drilling Depth	mm	300	
Dielectric Fluid	Liters	50 (Tap/Distilled)	
Pulse Generator			
Current	Amps	25	35
Power	KVA	3	5
Power Supply		415V, 3 Phase, 50Hz	
On Time Setting	Frequency	10 Steps	
Off Time Setting	Frequency	10 Steps	
Power Booster	Gap C	10 Steps	
Approximate Weight	Kgs	800	900
Machine Floor Area	mm	1100 x 1700 x 1850	1200 x 1900 x 1900

Special Size Machines can be manufactured.