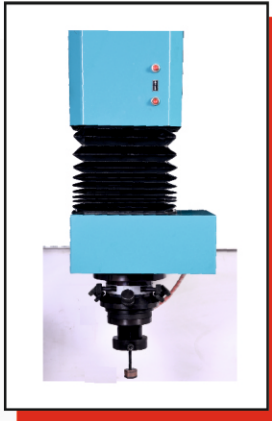


## The Revolutionary Transformation in EDM Orbital system.

Keeping in mind the varied and critical requirements of professional tool maker, Ratnaparkhi is constantly striving for the betterment of EDM. With this endeavour we are now introducing Orbiting system for EDM's which improves the efficiency of EDM to a great extent thereby allowing easier working. The REIPL Orbital put up many CNC capabilities to your sinker EDM machine, giving you opportunity to do variety of jobs like, under grooving, side finishing, threading, side sparking etc..

### 4 Easy Steps of installation :-

1. Attach the U, V mechanism to the machine platen plate and electrode holder under it, and position it properly.
2. Connect the control unit to the mechanism.
3. Attached your electrode to holder and position electrode appropriately.
4. Set the pattern and depth on REIPL controller and start.



Orbital  
Mechanical Unit



Orbital  
Control Unit

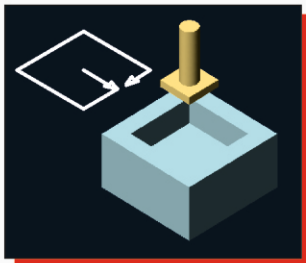
### Advantages of orbiting function:

1. Basic steps towards CNC EDM functions in manual machine
2. Corner sharpening.
3. Giving undergroove
4. Side machining
5. Increasing the size of cavities

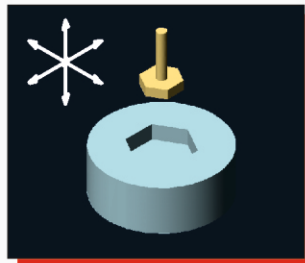
### Specifications of Orbital Unit :

1. Type of Control : Micro Controller based pre-defined path control
2. Data Input : Multifunction key board, touch screen HMI
3. Orbital Cycles : Vector, Circular, Polygon & Z Independent
4. Orbital Head Unit Stroke : 0 to 20.0 mm in step of 0.001 mm
5. Orbit Speed : Max 50 mm /min in 99 steps
6. EDM Interface : Direct EDM Gap Voltage Sensing up to 300 V  
(for adaptability to all EDMs Machine)
7. Power input standard : 230 VAC
8. UV Position Repeat accuracy : 0.010 mm

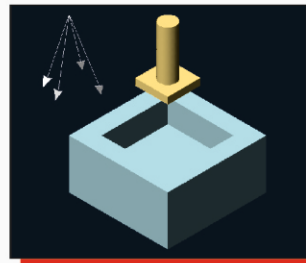
### Orbital Cycles



Polygon Cycle



Vector Cycle

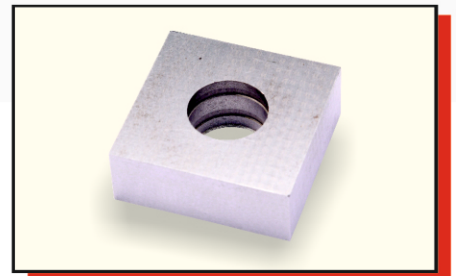
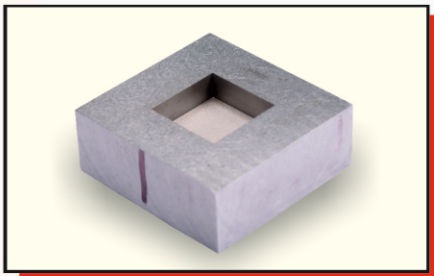


Z-Independent



Circular Cycle

### Job Samples



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

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