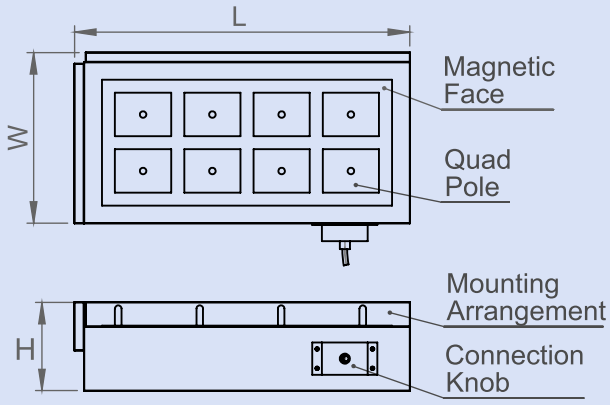
Magnetic Chucks for Grinding & Milling Operations

Electro Permanent Magnetic Chuck (EPM) For VMC and CNC Machine (for milling operation)

MagTECH ASSOCIATES
SINCE1996
Manufacturing Magnetic Product as per Clients Requirements



Quad Pole design:



Application

EPM chucks are designed to overcome the demerits of conventional chucks. Especially it is made for the milling operation.

Characteristics

a) It requires External Power supply for energized and De-energized(ON-OFF) purpose only, during the operation (machining) power supply is not required absolutely.
b) It gives rigid magnetic force, which corresponds to maximum DEPTH of CUT with accuracy.
c) It is specially design to avoid mechanical clamping, which result into EASY and QUICK RELEASE of Work Piece from chuck surface.
d) Five faces machining can be possible so that time can be saved and productivity can be increased.
e) According to the work piece POLE GAP, POLE PITCH, POLE WIDTH, POLE STYLE can be defined.



Accessories:-Require Thyrester Control Impulse unit / Capacitor Discharge Unit for operating above chucks.

Construction of EPM Chuck

a) Overall body:- Fabricated, using High. Permeability Steel.
b) Separation of pole: using Epoxy resin
c) Conductor: Copper wire.
d) Class of Insulation: - H class.
e) Winding Base- FRP Former
f) Bounding: - Epoxy potting
g) It consist two different characteristics of permanent magnets.
J) Operating Through: - Operating Pendent.

Inspection

Inspection: Following tests are applied to inspect a chuck:
1) Resistant to Earth Terminal Test
2) De-magnetizing Test
3) Test of Pulling force.

Available sizes

Model Code	Size (L x W x H)	Pole gap
003-01-01	450 x 230 x 80mm	15mm
003-01-02	610 x 450 x80mm	15mm
003-01-03	780 x 375 x 90mm	15mm





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