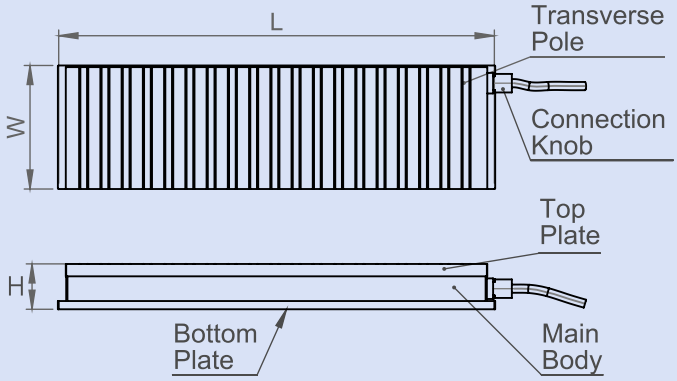
Electromagnetic Chuck (Single Coil Transverse pole)

MagTECH ASSOCIATES
SINCE1996
Manufacturing Magnetic Product as per Clients Requirements





(Accuracy as per IS 8710-1978)

Application

Electromagnetic Chucks are designed for GRINDING operations. It generates strong magnetic force to hold work piece in rigid manner. These chucks are operated on continuous D.C. Power Supply. There is no internal wear and deformation corresponding to movement of internal parts, which provides a better life than conventional Permanent Magnetic Chuck.

Construction of Electromagnetic Chuck

a) Overall body:- Fabricated, using High. Permeability Steel.
b) Separation of pole :- using brass strips.
c) Conductor:- Enameled Copper wire.
d) Class of Insulation:- H class.
e) Winding Base- FRP Former.
f) Bounding :- Epoxy potting.
g) It operates on continuous D.C. supply.
h) Operating Through:- Operating Pendent.

Characteristics of Control Panel

a) Input: Power supply required:- 230 V A.C. supply.
b) Output: Operating voltage:- 110V D. C.Supply.
c) Panel safety Precaution:- Using Fuses on AC supply , DC supply and MCB.
d) Indication:- Main supply, Magnet ON and Demag cycle.

Inspection

Following tests are applied to inspect a chuck:-
1) Resistant to Earth Terminal Test.
2) De-magnetizing Test.
3) High Voltage Test.
4) Leak Proof Test.
5) Sleeping force Test as per IS: 8710-1978.

Available sizes

Model Code	Size (L x W xH)	Pole gap	Pole Pitch
002-01-01	450 x 150 x100mm	15mm	40mm
002-01-02	500 x 200 x100mm	15mm	40mm
002-01-03	600 x 200 x100mm	15mm	40mm
002-01-04	600 x 250 x100mm	15mm	40mm
002-01-05	750 x 250 x100mm	15mm	40mm
002-01-06	900 x 250 x100mm	15mm	40mm
002-01-07	600 x 300 x100mm	15mm	40mm
002-01-08	750 x 300 x100mm	15mm	40mm
002-01-09	900 x 300 x110mm	15mm	40mm
002-01-10	1000 x 250 x110mm	15mm	40mm
002-01-11	1000 x 300 x110mm	15mm	40mm
002-01-12	1500 x 250 x110mm	15mm	40mm
002-01-13	1500 x 300x110mm	15mm	40mm
002-01-14	1500 x 400 x110mm	15mm	40mm

Accessories:- Require D.C. Power supply unit/Mag Demag Unit for operating above chucks.

Mag Demag Unit with Pendent



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