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 continues 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. These chuck required slipering arrangement for external power supply to operating it.

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

Characteristics of Control Panel
a) Input: Powers 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:- Using Indication for main suppy, Magnet ON and demag cycle.

Inspection
Following tests are applied to inspect a chuck:-
1) Resistant to Earth Terminal Test
2) De-magnetizing Test
Circular Electromagnetic Chuck

3) High Voltage Test
4) Leak Proof Test
5) Sleeping force Test

Available Sizes

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Size (Dia. x H)</th>
<th>Pole gap</th>
<th>Pole Pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>002-05-01</td>
<td>Dia.300 x100mm</td>
<td>4mm</td>
<td>14mm</td>
</tr>
<tr>
<td>002-05-02</td>
<td>Dia.400 x100mm</td>
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<td>002-05-03</td>
<td>Dia.600 x100mm</td>
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<td>002-05-04</td>
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<tr>
<td>002-05-05</td>
<td>Dia.1000 x125mm</td>
<td>4mm</td>
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<tr>
<td>002-05-06</td>
<td>Dia.1200 x125mm</td>
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<td>14mm</td>
</tr>
</tbody>
</table>

Accessories
Require D.C. Power supply unit and slip Ring Arrangement for operating above chucks.