ELECTRO-MAGNETIC BARREL FINISHING MACHINES
MODEL EMB-190SC AND EMB-110

These electro-magnetic barrel finishing machines are used for finishing small materials and non-metallic parts.

Workpieces and magnetic media are put in a container, which is then placed in the machine. The tumbling motion by a strong alternating magnetic field induced electrically makes the workpieces surface shiny in a short time.
When the magnetic barrel media are repeatedly subjected to the large kinetic tumbling energy in the strong alternating magnetic field, they smooth the workpiece surface effectively by numerous collisions.

The workpieces, magnetic media and liquid are put in a plastic container. The container is then placed in the machine. The machine operators need only to set the timer and press the switch.

The workpieces, regardless of their number, receive the same uniform finish. Even workpieces with complicated shapes can be finished uniformly to get the same glossy surface. Very small burrs are removed and beveling is made slightly.

These machines are ideal for finishing precious metal lost-wax casting. Bulky workpieces can be finished.

Ceramics and plastics can be also be processed using the appropriate abrasives and barrel media.

Using no abrasives, thin stainless steel pins and small balls give the workpieces beautiful surface finish with very little loss of material. This is called shot peening and varnishing effect.

![Cylindrical type electromagnetic barrel machine diagram]

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>EMB-110</th>
<th>EMB-190SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width x Depth</td>
<td>350 x 440 mm</td>
<td>650 x 740 mm</td>
</tr>
<tr>
<td>Height</td>
<td>520 mm</td>
<td>920 mm</td>
</tr>
<tr>
<td>Container's inner diameter x height</td>
<td>Φ105x320 mm</td>
<td>Φ175x398 mm</td>
</tr>
<tr>
<td>Required electricity, maximum</td>
<td>3Φ, 200V, 5A</td>
<td>3Φ, 200V, 9A</td>
</tr>
<tr>
<td>Timer, maximum</td>
<td>99min. 59 sec.</td>
<td>99min. 59 sec.</td>
</tr>
<tr>
<td>Net weight, approx.</td>
<td>66Kgs</td>
<td>220Kgs</td>
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</tbody>
</table>

Specification subject to change without notice. 04.11

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