The **DMAE** is an Aluminium Dosing Furnace without crucible, with electrical heating and electro-pneumatic dose system.

This furnace is valid to dose liquid aluminium on several aluminium casting processes such as Die Casting and Gravity.

The furnace is very good thermal isolated and has been designed to work under pressure up to 150 mbar.

The lining is made of monolithic refractory cement special to liquid aluminium contact.

The filling system is with liquid aluminium. And it can be done while working.

The furnace include an elevator and tilting hydraulic table to reach the dose point and to:

**DMAE** dosing furnaces work in automatic mode with the next characteristics:

- Constant pressure dosing system.
- The aluminium level is continuously measured and indicated by a five lamps indicator.
- PLC control and 10” colour touch screen.
- Temperature control by two thermocouples.

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**Parts of DMAE Dosing Furnace**

- **Electrode**
- **Thermocouple**
- **Mirror**
- **Level indicator**
- **Launder**
- **Heating elements**
- **Cleaning door**
- **Filling funnel**
- **Rising and tilting table**
- **Pneumatic system**
- **Horizontal movement**

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## FEATURES
- Enable to fill during automatic work
- Dose weight adjustable from the touch screen.
- Standard spare parts
- Very easy to calibrate.
- Height and horizontal movements.
- Cleaning door also available to empty.
- Interface by cable or Profibus.
- Dose from 0.3 to 100 Kg.
- Accuracy ±1.5%
- Low power consumption

## TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Model</th>
<th>Total capacity kg Al</th>
<th>Work Capacity kg Al</th>
<th>Dosing Weight Kg.</th>
<th>Power kW</th>
<th>Main dimensions Width</th>
<th>length</th>
<th>height</th>
<th>Weight kg</th>
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</thead>
<tbody>
<tr>
<td>DMAE-18-650</td>
<td>650</td>
<td>500</td>
<td>0.1 – 2</td>
<td>18</td>
<td>1980</td>
<td>2690</td>
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<td>3320</td>
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<td>700</td>
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<td>3040</td>
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<td>900</td>
<td>3 – 6</td>
<td>24</td>
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<td>3140</td>
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<td>1400</td>
<td>5 – 8</td>
<td>30</td>
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<td>6450</td>
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<td>1800</td>
<td>6 –10</td>
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<td>8 – 120</td>
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