Introduction

The Tablet Coating Machine can be used to apply a sugar coating to pharmaceutical tablets to protect them from moisture, damage or oxidation, and to improve their appearance and palatability. The Tablet Coating Machine produces a smooth, bright coating that looks professional and appealing.

As well as its applications in the pharmaceutical industry, this sugar coating machine is ideal for heating and coating seeds, nuts or grains for use in the confectionary or foodstuffs industries.

Note: Please read these instructions carefully before first use.

Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dia. of Sugar coating dish mm</td>
<td>300</td>
</tr>
<tr>
<td>Rotation Speed r/min</td>
<td>46-50</td>
</tr>
<tr>
<td>Production Capacity kg/batch</td>
<td>2</td>
</tr>
<tr>
<td>Motor Kw</td>
<td>0.55</td>
</tr>
<tr>
<td>Overall Size mm</td>
<td>520<em>360</em>650</td>
</tr>
<tr>
<td>Net weight Kg</td>
<td>46</td>
</tr>
<tr>
<td>Heating Power</td>
<td>0.75 Kw</td>
</tr>
<tr>
<td>Spray gun diameter</td>
<td>1mm</td>
</tr>
<tr>
<td>Liquid flow</td>
<td>0-250ml/min</td>
</tr>
</tbody>
</table>

Fig. 1 Tablet Coating Machine

1. Casing
2. Coating bowl
3. Hot air pipe
4. Decelerator
5. Motor
6. Angle modulator
7. Transducer
8. Internal heating control
9. External heating control
Installation

Install the Tablet Coating Machine on a stable base in a clean, dry environment with good ventilation and a suitable power supply.

Before starting the machine, check the reducer is filled with lubrication oil.

Also ensure that all fasteners are tight, and clean the coating bowl.

Check that the delta rubber belt transmission conforms to the direction indicated in the plate on the belt cover.

**NOTE: The machine must be properly earthed.**

Maintenance

Clean the machine if it will not be used for some time.

Apply oil to the copper surface of the coating bowl, to prevent oxidization.

Don’t remove the belt cover or the casing for the wires unless there is a good reason, in which case take care to avoid damage, and re-affix carefully to ensure safe operation.

Lubrication

**NOTE: Establish a regular lubrication schedule.**

Proper lubrication is essential to prolonging the service life of the machine.

Reapply grease to the roller bearings regularly.

Every six months, replace the lubrication oil for reducer.

Fig. 2 Liquid Flow Scheme

1. Air compressor
2. Pumps
3. Pneumatic mixer
4. Control valves
5. Car
6. Trachea
7. Liquid piping
8. Gun
9. Frame
Fig. 3 Schematic Diagram of Electrics

M1 = Motor  C = Outlet  M2 = Inverter  R = External heater