Softgel Encapsulation System

All-In-One Standard & Vgel Production

The SaintyCo Aprila SG 50 softgel production system is a space saving, stand alone, all-in-one softgel encapsulation system capable of full production duties. With speeds up to 5 RPM and production volumes up to 12,600 softgels per hour @ 8 Oval 4 RPM base on oil. This is an attractive system for cost conscious start-ups, smaller production batches, or research and development.
Features:

- Up to 16,800 pcs/hour (8# OVAL 4RPM)
- All-in-one set up includes everything you need to get up and running
- Variable operation speeds up to 5RPM
- Compact size allows for smaller footprint
- Quick and easy replacement of change parts
- Suitable for use in pharmaceutical, food and recreational industries
- Color touchscreen control provides easy production management
- Tumble dryers have large, high powered centrifugal fan
- Vgel plant based gelatin option

Production Estimates:

<table>
<thead>
<tr>
<th>Size/Shape</th>
<th>Cavities</th>
<th>Output Per Hour (@ 4 RPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Oval</td>
<td>72</td>
<td>17280</td>
</tr>
<tr>
<td>8 Oval</td>
<td>70</td>
<td>16800</td>
</tr>
<tr>
<td>10 Oval</td>
<td>68</td>
<td>16320</td>
</tr>
<tr>
<td>8 Oblong</td>
<td>82</td>
<td>19680</td>
</tr>
<tr>
<td>20 Oblong</td>
<td>34</td>
<td>8160</td>
</tr>
<tr>
<td>6 Round</td>
<td>108</td>
<td>25920</td>
</tr>
<tr>
<td>40 Round</td>
<td>44</td>
<td>10560</td>
</tr>
</tbody>
</table>

Production rates may vary depending on machine speed, fill material viscosity, and operator experience.

Complete System Includes:

1. SG50 Softgel Encapsulator
2. Tumble Dryers
3. Chilling System
4. 100 Liter Gelatin Melting/Mixing Tank
5. Drying Trays & Dollies
6. Change parts (Softgel Tooling)
### Technical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Aprila SG50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mold Sizes (mm)</td>
<td>ϕ150 x 50</td>
</tr>
<tr>
<td>Speed</td>
<td>Up to 5 RPM</td>
</tr>
<tr>
<td>Capacity (8# OVAL 4RPM)</td>
<td>16,800 pcs/h</td>
</tr>
<tr>
<td>Power</td>
<td>220V/380V,50/60Hz,3 Phase,2 Kw</td>
</tr>
<tr>
<td>Machine Dimensions (mm)</td>
<td>1700x810x1750</td>
</tr>
<tr>
<td>Weight</td>
<td>600 kgs</td>
</tr>
<tr>
<td>Tumble Dryers</td>
<td>2</td>
</tr>
<tr>
<td>Tumbler Size</td>
<td>ϕ316x417mm</td>
</tr>
<tr>
<td>Tumbler Dimensions</td>
<td>1400x 450x800mm</td>
</tr>
</tbody>
</table>
Softgel Support Equipment

**Chilling System**
The chilling unit is modular to fit your available floor space.

*Refrigeration capacity: 5.28Kw*
*Power: 220 V 50 Hz 1P 2.27Kw*
*Dimensions: 580x550x925mm*
*Weight: 100Kg*

**Gel Melter**
100 liter capacity gelatin melting and mixing tank is made from all stainless steel construction with sanitary stainless steel valves and clamps, a triple wall jacket with breather.

*Volume: 100L*
*Temperature: <100 °C*
*Power: 4kW*
*Mix speed: 35rpm*
*Dimensions: 1100x650x1655mm*

**Drying Trays**
The softgels come out of the tumble dryers and are placed on paper lined drying trays. The trays are then stacked on dollies and pushed into drying tunnels.

*Dimensions: 750x475x55mm*

**Tumble Dryers**
Each tumble dryer has a large, high powered centrifugal fan, and is equipped with an anti-static device to prevent softgels from sticking due to electromagnetic charge build-up.

*Quantity of tumbler: 2*
*Tumbler size: Ø316x417mm*
*Power supply: 380 V 50 Hz 3P*
*Dimensions: 1400x450x800mm*
*Weight: 90 Kg*

**Softgel Tooling**
The Softgel tooling is custom made to meet your needs with a 2-week turnaround. It features harder aircraft grade aluminum, colored timing marks, and "bead blasting" to minimize gel adhesion.

*Complete set includes:*
- 2 die rolls with stainless steel inserts
- Teflon ceramic coated aluminum wedge
- Solid Teflon distribution plate
- Industrial, compact storage case
- Timing gear
SaintyCo also offer:

Encapsulation Solutions
Tablet Compression Solutions
Coating Systems
Cartoning Systems
Blister Packing Solutions