Softgel In-Line Drying Systems
Softgel Inline Drying System

ILDS

Features

• ILDS 24 is an automated continuous capsule drying system consisting of 2 parallel rows of 12 drying units each, connected to a central line of air distribution units. The two lines have 3 drying zones fed with air at different temperature and humidity parameters to insure an efficient drying of the capsules. The capsules exiting the system at the end of the drying cycle are ready for final inspection and packaging. The use of pre-drying tumbler dryers and Drying tunnels and the associated work is eliminated
• Cycle time, basket speed, blowers speed, drying air parameters are fully programmable through integrated PLC and Touch screen HMI and adapted to the soft capsule machine settings
• Suitable for drying oil filled capsules

Mechanism

Modular system, consists of 24 similar units placed in two parallel lines
A distributor unit is feeding alternatively the two lines with capsules
Variable basket rotation speeds adjustable through VFD
Driving gear pairs executed from hard plastic to avoid lubrication and reduced noise level
Total number of baskets: 24
Maximum basket load 110 kg
Two high capacity VFD controlled blowers per individual unit (2 x 1400 cfm).
Baskets executed from stainless steel perforated sheets are equipped with a side access door and a large removable end cover, for inspection, cleaning and service
Pneumatic cylinder assisted basket removal
Automatic capsule transfer from basket to basket by reversing the direction of the basket rotation
Stainless steel covers with number 4 finish for fast, thorough cleaning.
Smooth surfaces in all areas for complete cleaning. Liquids are drained into a special reservoir
System parameters control through PLC and HMI
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ILD5

**Specification**

<table>
<thead>
<tr>
<th>Dimensions (mm/inches)</th>
<th>18263 X 4901 X 1745 / 719 X 193 X 69</th>
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</thead>
<tbody>
<tr>
<td>Weight (kg/lb)</td>
<td>13900</td>
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<tr>
<td>Machine Electrical Power</td>
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<tr>
<td>Compressed Air</td>
<td>100 PSI</td>
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**TECHNOPHAR**

Technophar Global Headquarters
3293 St. Etienne Blvd.
Windsor, Ontario, Canada N8W 5B1
Phone: +1 519-946-0800
www.technophar.com