MACHINES CAN BE SUPPLIED FOR 380 VOLTS 3PHASE 50 Hz OR 220 VOLTS 3PHASE 60 Hz AS PER CLIENT’S REQUIREMENTS

Anchor Mark Private Limited offers comprehensive technical consultancy and advisory assistance if required. Necessary personnel training and assistance are provided as after-sales support.

As the design and manufacture of ANCHOR MARK PRIVATE LIMITED machines are subject to continual improvement, the product supplied may differ in some details from the specifications and illustrations given herein.
RapidMix • High Shear Mixer Granulator developed for mixing of ingredients as well as wet granulation. The multi-bladed dual speed impeller is fitted close to the base of the mixing bowl whereas the chopper is mounted on the wall of the mixing bowl. Both the impeller & chopper have dual-speed options for gently distributing the binder solution as it is added and creating the vortex of the material being mixed.

Salient Features
- Design and finish comply with cGMP standards.
- Telescopic lifting arrangement for main impeller as an option.
- CIP manifold (spray ball arrangement) for washing product contact surfaces.
- Specially designed impeller blades to optimize high speed agitation.
- Precision engineering to minimize clearance between bowl and impeller.
- Machine is supplied with standard manual controls.
- Programmable Logic Control with HMI for the visual display of the operating parameters available as an option.
- Variable Frequency Drive for Impeller & Chopper available as an option.
- Specially designed air-purged CIP shaft seals.
- Jacketed Bowl Provision - available as option.
- Flame-proof construction - available as option.
- Flame-proof motor supplied as an option.
- Drive unit located in the center to get the same screening efficiency over entire surface.

Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>RING 25</th>
<th>RING 30</th>
<th>RING 35</th>
<th>RING 40</th>
<th>RING 45</th>
<th>RING 50</th>
<th>RING 60</th>
<th>RING 75</th>
<th>RING 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Capacity - Ltrs.</td>
<td>25</td>
<td>50</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>400</td>
<td>500</td>
</tr>
<tr>
<td>Working Capacity - Ltrs.</td>
<td>20</td>
<td>40</td>
<td>80</td>
<td>120</td>
<td>160</td>
<td>200</td>
<td>240</td>
<td>320</td>
<td>480</td>
</tr>
<tr>
<td>Impeller Motor - HP</td>
<td>2/3</td>
<td>3/5</td>
<td>5/7.5</td>
<td>7/10</td>
<td>10/14</td>
<td>14/20</td>
<td>20/30</td>
<td>30/40</td>
<td>40/50</td>
</tr>
<tr>
<td>Chopper Motor - HP</td>
<td>2/3</td>
<td>3/5</td>
<td>5/7.5</td>
<td>7/10</td>
<td>10/14</td>
<td>14/20</td>
<td>20/30</td>
<td>30/40</td>
<td>40/50</td>
</tr>
<tr>
<td>Dimensions (All dimensions are in mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L (Length)</td>
<td>1700</td>
<td>1950</td>
<td>2025</td>
<td>2100</td>
<td>2175</td>
<td>2250</td>
<td>2500</td>
<td>3000</td>
<td>3150</td>
</tr>
<tr>
<td>W (Width)</td>
<td>1070</td>
<td>1300</td>
<td>1550</td>
<td>1800</td>
<td>2050</td>
<td>2300</td>
<td>2500</td>
<td>3000</td>
<td>3150</td>
</tr>
<tr>
<td>H (Height)</td>
<td>1650</td>
<td>2025</td>
<td>2200</td>
<td>2400</td>
<td>2600</td>
<td>3100</td>
<td>3300</td>
<td>3500</td>
<td>4000</td>
</tr>
<tr>
<td>B (Body Ladder Width)</td>
<td>94</td>
<td>94</td>
<td>94</td>
<td>94</td>
<td>1975</td>
<td>2250</td>
<td>2500</td>
<td>2700</td>
<td>2900</td>
</tr>
<tr>
<td>F (Platform Height)</td>
<td>750</td>
<td>850</td>
<td>950</td>
<td>1050</td>
<td>1200</td>
<td>1350</td>
<td>1500</td>
<td>1750</td>
<td>1900</td>
</tr>
<tr>
<td>D (Discharge Height)</td>
<td>650</td>
<td>825</td>
<td>900</td>
<td>950</td>
<td>1050</td>
<td>1275</td>
<td>1270</td>
<td>1750</td>
<td>1750</td>
</tr>
<tr>
<td>Net Weight - Approx (in kg)</td>
<td>200</td>
<td>300</td>
<td>500</td>
<td>750</td>
<td>1200</td>
<td>2150</td>
<td>3000</td>
<td>3500</td>
<td>6500</td>
</tr>
</tbody>
</table>

Multimill
The Multimill is used for granulating, pulverising, shredding and chopping of materials. Odd-size crystalline material/granules can be reduced to the required size by fitting interchangeable perforated screens around the swinging hammer blades.

Salient Features
- Contact parts made of SS 316 / SS 316L.
- Interchangeable Screens.
- Flame-proof motor supplied as an option.
- Machine equipped with hot blower for feeding hot air at a temperature range of 40°C to 80°C. Thermostat provided for easy selection of required temperature.
- Variable frequency drive for speed variation as an option.
- Height of discharge can be made to suit different capacityIPC height.

Models available - 12", 20", 30".

Coating Pan
Conventional Coating Pans are used for coating of tablets and drying them simultaneously by hot air from blower.

Salient Features
- Machine equipped with hot blower for feeding hot air at a temperature range of 40°C to 80°C. Thermostat provided for easy selection of required temperature.
- Interchangeable Screens.
- Flame-proof motor supplied as an option.
- Variable frequency drive for speed variation as an option.

Models available - 12", 24", 36", 42", 48" and 60"
Turbosifter Cum Multimill

The Turbosifter cum Multimill is used for high speed sieving and milling simultaneously to achieve uniform particles.

**SALIENT FEATURES**
- High speed sieving with quick changeover of sieves.
- Dust free discharge and charging.
- Flame-proof construction as an option.
- Fluid coupling between motors and gear box to take care of initial torque.
- Electric and Manual inching arrangement to bring the bunker back to rest at initial position.
- Ideal for dry blending and lubrication of granules / powder.
- Programmable Logic Control (PLC) system & HMI for visual display as an option.
- Tumbling principle in partial void enables homogenous mixing of active ingredients, additives and raw materials.
- Variable Frequency Drive for speed control as an option.

**Conta Blender**

The Conta Blender confirms to cGMP norms and gives better mixing efficiency as compared to conventional blenders. The rotation of bunker in a diagonally eccentric plane ensures efficient blending.

**SALIENT FEATURES**
- Fluid coupling between motors and gear box to take care of initial torque.
- Electric and Manual inching arrangement to bring the bunker back to rest at initial position.
- Ideal for dry blending and lubrication of granules / powder.
- Programmable Logic Control (PLC) system & HMI for visual display as an option.
- Tumbling principle in partial void enables homogenous mixing of active ingredients, additives and raw materials.
- Variable Frequency Drive for speed control as an option.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CB-50</th>
<th>CB-75</th>
<th>CB-100</th>
<th>CB-150</th>
<th>CB-350</th>
<th>CB-600</th>
<th>CB-1200</th>
<th>CB-1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (in Ltrs.)</td>
<td>50</td>
<td>75</td>
<td>100</td>
<td>150</td>
<td>350</td>
<td>600</td>
<td>1200</td>
<td>1500</td>
</tr>
<tr>
<td>Drive Motor (in HP)</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>7.5</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Power Pack Motor (in HP)</td>
<td>NA</td>
<td>NA</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**FLUIDYR Fluid Bed Dryer**

FLUIDYR Fluid Bed Dryer works on the principle of creating a fluid turbulence in a granulated or powdery wet product by means of hot air (or dehumidified air) flowing in an upward direction and drying the product to the required degree.

**SALIENT FEATURES**
- Short drying time and Low drying temperature.
- Uniform drying.
- Rapid exchange of granules.
- Single piece retarding chamber and finger bag chamber with inflatable gasket.
- Electric / steam - air heating systems with SS heat exchangers.
- Fully automatic bag shaking arrangement.
- Intrinsically safe earthing mechanism.
- AHU with Inlet-air filtration system having 20 Micron Coarse Filter, 5 Micron Pre Filter and 0.3 micron HEPA filters (Efficiency 99.9% ) as an option.
- Compact design.
- Contact parts in Stainless Steel 304 quality or 316 quality or 316L quality as per user’s requirement.
- Differential pressure gauge across micro-vee and filter bag as an option.
- Air Handling Unit:
  - Consists of Inlet Air Filters (3 Stage) including HEPA and heating coils.
  - Retarding Chamber:
    - Houses the Finger Bag Assembly
  - Bag Shaking and Lowering Device:
    - Three stage bag shaking arrangement.
  - Gaskets:
    - Food grade Silicon.
  - Exhaust Air Blower:
    - Centrifugal fan with backward curved impeller in stainless steel/Aluminium/MS painted.
- Explosion Vent with Rupture Disc:
  - For relief of explosion or any excess pressure built up, a rupture disc of appropriate material and thickness is provided in the explosion vent.
- Sampling Device:
  - To carry out periodical sampling & analysis of material.
- Dampers:
  - With PLC Interface.
- Earth Safety Relay:
  - A safety earth circuit relay is provided to discharge static charge.
- Clean In Place (CIP) System:
  - Can be provided as an Option.

**AIR DUCTS (USER’S SCOPE)**

The ducts are fabricated from Stainless Steel material.

FLUIDYR Fluid Bed Dryers can also be supplied with solid flow monitor for detecting product leakage from filter bag.

**FLUID BED PROCESSORS WITH TOP AND BOTTOM SPRAY ARRANGEMENT IN VARIOUS CAPACITIES ARE ALSO MANUFACTURED.**
**Starch Paste Kettle**

The Starch Paste Kettle conforms to cGMP norms and comprises of a jacketed hemispherical bowl with all necessary steam accessories.

**Salient Features**
- Contact parts made of SS 316 / SS 316L.
- Bottom discharge with flush bottom ball valve.
- Mechanical tilting with worm / wormwheel arrangement. Motorised drive mechanism for tilting as an option.
- Detachable Agitator with Anchor blades and Teflon scrapers.
- Hydraulic lifting and lowering arrangement as an option.

**Models available (in Liter):** 25 to 250

**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>FBD30</th>
<th>FBD60</th>
<th>FBD 120</th>
<th>FBD 150</th>
<th>FBD 200</th>
<th>FBD 250</th>
<th>FBD 300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Capacity - Liter</td>
<td>100</td>
<td>195</td>
<td>425</td>
<td>510</td>
<td>625</td>
<td>800</td>
<td>1000</td>
</tr>
<tr>
<td>Working Capacity - Liter</td>
<td>70</td>
<td>140</td>
<td>300</td>
<td>355</td>
<td>440</td>
<td>560</td>
<td>700</td>
</tr>
<tr>
<td>Capacity of Dryer - Kg.</td>
<td>30</td>
<td>60</td>
<td>120</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Blower Motor - HP (Std. Model)</td>
<td>5.0</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td>Blower Motor - HP (in case of 20, 5 &amp; 0.3 micron Air Filters)</td>
<td>7.5</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>Steam Consumption at 3 - 4 Kg/cm² Pressure</td>
<td>75-85</td>
<td>150-160</td>
<td>200-215</td>
<td>225-240</td>
<td>250-265</td>
<td>275-300</td>
<td>300-325</td>
</tr>
<tr>
<td>Electrical Heater Capacity - KW</td>
<td>18</td>
<td>36</td>
<td>54</td>
<td>60</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

**Dimensions (All Dimensions are in mm)**

| L (Length) | 1360 | 2000 | 2250 | 2290 | 2260 | 2280 | 2600 |
| W (Width)  | 1100 | 1600 | 1770 | 1770 | 2000 | 2000 | 2450 |
| H (Height) | 2500 | 2920 | 3460 | 3560 | 3950 | 4100 | 4500 |
| BH (Product Container Height) | 800 | 910 | 1140 | 1240 | 1250 | 1400 | 1420 |
| Net Weight - Approx (base machine only - in kg.) | 400 | 650 | 900 | 950 | 1650 | 1750 | 2140 |

N.B.: The dimensions are subject to change depending upon continual modifications in design for better performance of the equipment.

**Lifter And Tipper Unit**

The Lifter and Tipper Unit (LTU) is a standalone unit allowing minimum manpower with cGMP concept for Lifting and Tilting of the FBD bowl.

**Salient Features**
- Ideal for faster operation with minimum dust generation.
- Tilting head integral with lifting head and housed on the yoke with horse shoe shaped SS lifting cradle.
- Tilting degree of the cone provided by double action hydraulic cylinder through specially designed rack and pinion assembly.
- Hydraulic Power Pack operated through custom built panel with pushbutton station for Raising / Lowering & Tilting with limit switches for controlling the UP / DOWN movement.