Processing and Packaging Solutions for Effervescent products







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AKSIS INDUSTRIAL TECHNOLOGIES PVT. LTD.

Processing and Packaging Solution for Effervescent Tablets

Our OEM in INDIA has a vast experience in handling various products in solid oral dosage form hence the technocrats have understood the market requirement and invented complete processing and packaging solution for effervescent products. Our **EFF-PRO** and **EFF-PACK** evolve into the journey of effervescent products.



EFF-PRO

Processing hygroscopic products at relative humidity and particular temperatures has begot to Our OEM in INDIA's EFF-PRO.

EFF-PRO is designed in such a way that addition of small amount of liquid creates a chain reaction and helps for better mixing, the jacketed system maintains a temperature at relative humidity and vacuum controls and helps for drying without losing its essence and effectiveness. **EFF-PRO** also eliminates the age-old technology used for the formulation of tablets with granulators, dryers and blenders.

Salient Features

- Granulation, Drying and Blending all in one
- Drying under vacuum at low temperatures
- Minimum product handling
- Less space required
- Easy to charge and discharge
- Jacketed system for maintaining temperatures and humidity
- CIP able through 360° rotating spray balls
- Designed as per cGMP standards accordance to ASME Sec.VIII Div. 1
- Contact parts SS 316 and non-contact parts SS 304
- Runs on PLC-HMI based panel in compliance with 21CFR Part 11
- SCADA compatible

Effervescent tablets have become preferred dosage form for applying Active Pharmaceutical Ingredients (API's), especially for pain relief. For the pharmaceutical industry effervescent tablets represents a meaning to expand product lines with longer product lifecycle and more stability.



EFF-PACK

Our OEM in INDIA has developed the most effective and efficient operation of effervescent tablet tube filling and packaging machine **EFF-PACK**, the tablets are fed through rotating tubes in which with the help of centrifugal force tablets orientation takes place smoothly. This method fills large numbers of tablets into elongated plastic/aluminium tubes within the least possible time, without exposing the product to any mechanical stress.

The **EFF-PACK** has been designed and integrated with modern machine techniques considering Pharmaceutical cGMP norms, which helps for its superb accessibility and easy cleaning.

Salient Features

- Servo driven
- Less space required
- Easy to operate
- Tool-less change over
- Minimum change parts
- Complete cGMP design
- Complete untouched process
- Runs on PLC-HMI based panel in compliance with 21CFR Part 11
- Contact parts SS 316 and non-contact parts SS 304

Machine specifications

EFF-PRO

Description	Machine Data				
Production Range	EFF-PRO 25	EFF-PRO 50	EFF-PRO 100	EFF-PRO 250	EFF-PRO 500
Batch Size	25 Kg	50 Kg	100 Kg	250 Kg	500 Kg

EFF-PACK

Description	Machine Data			
Production Range	EFF-PACK SA	EFF-PACK 2T	EFF-PACK 4T	EFF-PACK 8T
Tube Length	50-200 mm	50-200 mm	50-200 mm	50-200 mm
Tablet Diameter	16-32 mm	20-25 mm	20-25 mm	20-25 mm
Output (for 20 tab/tube)	7-12 tubes/min 1,00,000 tablet/8hr	20-25 tubes/min 2,00,000 tablet/8hr	40-50 tubes/min 4,00,000 tablet/8hr	70-80 tubes/min 6,75,000 tablet/8hr
Manual/Automatic	Manual	Automatic	Automatic	Automatic

Process equipment for oral solid dosages

- Granulating Equipment (RMG and FBP)
- Drying (FBD, VTD, ATD's)
- Milling (Co-Mill, Multi Mill and Oscillating Granulators)
- Blending (Octagonal Blender, Conta-Pillar Blender, Double Cone Blender, V-Cone Blender & Ribbon Blender)
- Coating (Tablet Auto-Coater, Conventional Coating Pans)
- Starch Paste Kettles
- Lifting and Positioning Devices, Lifting and Tippering Devices, IPC's and Square Bins and Vacuum Conveying Systems
- Extruder & Spheronizer

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