



# DRUM FLAKER

DRUM FLAKERS are used to convert molten feed into solid in continuous operation. A film of the molten product is picked up by the surface of the flaker drum as it rotates through a feed tray mounted below. Cooling Drum rotates around the horizontal axis. Internally drum surface is cooled by spraying coolant media-water. Molten feed is continuously fed into the bottom pan. Rotating drum dips directly into molten liquid inside the pan. Approximately 63% of the circumference of the cylinder is in contact with the feed. Feed Tray have limpet coil for steam or thermic fluid heating and to maintain temperature of the molten feed to avoid solidification on the tray. The product solidifies after completion of rotation of drum, and it's scrapped by doctor blade, from the other side of the drum surface to form flakes. This system is used for low viscosity products with good adhesion to metal surfaces.

## FEED MECHANISM

1. Single drum Bottom Dip Feed
2. Single drum Overhead Applicator Roller
3. Single drum with Side Feed
4. Single drum with Bottom Dip applicator roller
5. Double drum with Nip Feed

## APPLICATIONS

Fatty Acids • Oleochemicals • Polyethylene glycols (PEG) • Maleic anhydride • Calcium chloride • Caprolactam • Resins • Sulphur\*Hydrogenated Vegetable Fats\* Benzoic Acid\* Stearate\*Ester Gum\*Caustic Soda\*Palm Stearin \*Soap\* Resin\*Tetra Chloro Pyridine\*P.E Wax\*Zinc Stearate\*Molten Naphthalene\*Stearic Acid\*SOY Lecithin\* \*DICAMBA\*Chromic Acid\*Propanediol Hexahydrate Phosphorus\*pentasulfide\*DMHQ Sulphur\*Maleic Anhydride \*Paraffin Wax\*Speciality Chemicals



**EMAIL** [sales@jyoti-india.com](mailto:sales@jyoti-india.com)

**WEBSITE** [www.jyotiprosessequipments.com](http://www.jyotiprosessequipments.com)