

Nauta Mixer



Conical Screw mixer/blender or Vertical Screw blender or Nauta mixer is made based on the principle of rotation and revolution, conveying the material along with the axle by means of rotation.

Simultaneously, the material is upward and downward cycled by gyratory stirring along wall surface of cone, with the central revolution. The even mixing can be performed in the shortest time.

These are generally used in case of applications that require gentle mixing action and minimal heat generation at the same time these mixers can also be used for applications that requires high shear mixing this is accomplished using lump breakers, which is driven separately.

Our conical screw conveyor has unique drive features, which consist both top & bottom drive mechanism .The bottom drive rotates the screw conveyor and top drive revolve the arm connected to screw conveyor. One end of the screw conveyor is connected to universal coupling and other end to the arm. Both these drives are synchronize as such giving uniform & homogeneous mixing in less time. Both these drives reduces power consumption to large extent compared to conical screw blender which both the drives on top or having only top drive mechanism.

Production Capacity & H.P, fineness and ultimate results depends largely on physical & other properties of the materials, atmospheric conditions, etc, and are subject to variation in all the above models. Information furnished in the specifications chart of this site is for general guidance only. We will fabricate & design this machine according to your working capacity.

Due to constant up gradation in design and manufacturing all dimension & specification are subject to change and alteration without prior notice.

Outstanding Features of Nauta Mixer

- Tailor made equipment fully adapted Mixing time can be fulfilled promptly.
- Fast and complete discharge
- The most even mixing and dispersion even when partly loaded
- Can mix high mixable formula of material, homogenizes and blends solids, liquids and paste.
- Low power drive and hence energy saving
- Easy material discharge by stirring of screw conveyor
- Low rotation speed, no damage to the particle, the least remainder, easy to clean.
- Compact size with mass operation
- Combination of process, so less labour hours, reduced cycle times, space consolidation
- Can be started under full load
- Product protection by gentle mixing action
- Easy maintenance, less noise & pollution free
- Capacities from small to very large (1000 liters to 25000 liters)

Applications of Nauta Mixer

- Gaur gum powder, Tamarind Kernel powder (T.K.P)
- Agriculture feed and cattle feed supplements
- Chemical Industries & and dyestuff industries
- Pesticide & fertilizers plants
- Paints, dry colour pigments
- Food processing industries, spice plants, Soya industries.
- Cement mixes
- Ayurvedic industries