



Mixing Granulator for Pharmaceutical Production



- Mixing, dispersion, deagglomeration, moistening, granulation and coating in one machine
- Short mixing times and high mixing precision
- Machine concept for integration in complete units
- Dust-free operation
- Easy to clean with seal rinsing system, CIP nozzles and smooth stainless steel surfaces
- Machine ready for connection

1. Weighing
2. Feeding
3. Mixing and wet granulation
4. Loosening up if necessary (depending on recipe)
5. Drying

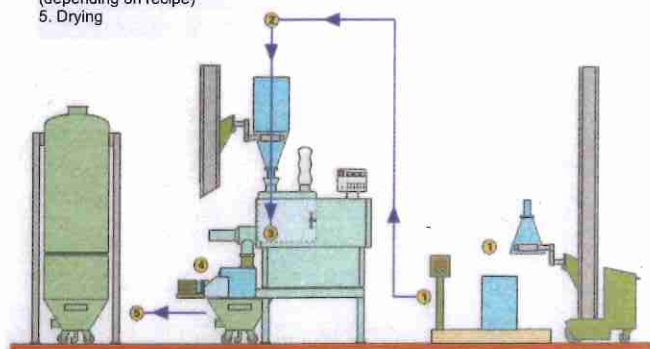


Diagram of a mixing/granulation unit



Mixing impeller and chopper

Vertical Mixing Granulator

In this machine individual components of a recipe are homogenized by the vertical mixing impeller and separately driven chopper. Binding agent is then added for wet granulation in the

Mode of Operation

A three-arm mixing impeller rotates close to the wall and base of the vertical, cylindrical mixing drum. The shape and peripheral speed are coordinated in such a way that the mixing product forms a vortex, whereby it is accelerated on both the horizontal and vertical plains. Product moved in this way is mixed quickly and intensively, even if the components have widely differing granular structures, bulk densities, particle shapes and surface conditions. A separately driven chopper disperses any lumps in the product, ensures uniform moistening and wet granulation and provides streak-free intermixing of colourants.

Range of Application

- Pharmaceutical industry
(granulation of tablet recipes)
- Spices industry
(intermixing extracts)
- Cosmetics industry
(production of face powder)

Optional Equipment

- PC/PLC controls
- Machine jacket for fusion granulation
- Dust-free feeding equipment
- Controlled granulation point

Sizes

Type	Working Capacity in Liter	Drive Power in kW
MGT 30	Max. 25	3
MGT 70	Max. 60	4,9/6
MGT 125	Max. 100	9/11
MGT 250	Max. 220	13/16
MGT 400	Max. 360	18,5/25
MGT 600	Max. 540	32/47
MGT 900	Max. 750	52/70
MGT 1.200	Max. 1.000	60/90