

Micronizing
MC DecJet® 500
Production Scale



- Hundreds of installations worldwide
- Most advanced jet mill on the market
- Effective with more products than any other jet mill available today
- Highly efficient
- Single pass technology
- Handles sticky, abrasive and very hard products
- Scalable product range
- Easy to clean, absence of screws
- Accurate reproduction from development to production

Unique technologies powered
by advanced engineering

DecTrue end-to-end®

Micronizing MC DecJet® 500

Production Scale



MC DecJet® 500 is a production scale unit, suitable for micronizing up to 500 kg per hour.

Technical features

High grade materials

AISI type 316L stainless steel mirror polished to RA 0.25 microns or Hastelloy

Rapid cleaning and easy validation

Ease and quickness in assembling and disassembling, as well as a limited number of components

Simplicity of the whole unit

Total absence of screws (replaced by triclover fittings), no crevices, smooth and regular surfaces

Very low production loss

- Typical yields are 99.5 % of batch size, no blow-back phenomenon, limited caking of sticky powders
- One single collection point

Further advantages

- The lowest consumption of process gas of similarly sized units available on the market
- Process at constant temperature (endothermic)
- No heat generation
- Easy scale up maintaining the same
- PSD (Particle Size Distribution)

Options

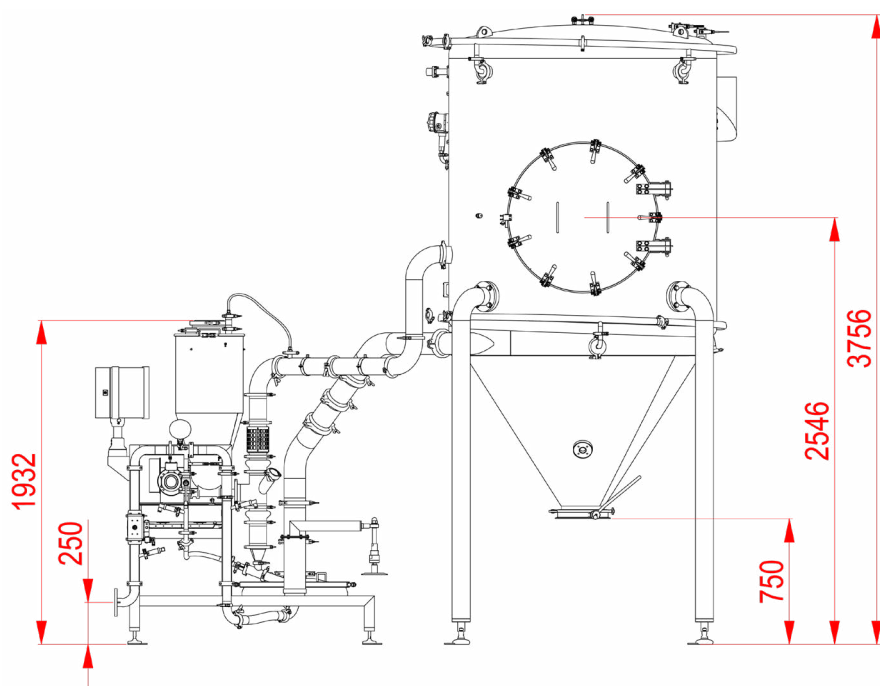
- Volumetric or gravimetric pharma execution feeder with various hopper dimensions available
- Jet mill in top or bottom discharge configurations
- Special internal linings: Stainless steel, PTFE, PEEK, Ceramic coating (PVD), Nitriding
- Sanitary rotary valve for production collection
- CIP and SIP systems

- Explosion proof systems (10 bars pressure resistant or burst disk)
- System fully automated by PLC with full batch reporting
- Integration of PAT technology, in-line particle size analysis
- Hazardous area versions available in compliance with US and ATEX standards.

Alternative versions

Simplified versions based on the same pharma concept can be customized for other applications:

- Fine chemicals
- Cosmetics
- Food



MC DecJet® - patented technology

Technical Data

Nominal diameter	Estimated capacity
500 mm 20 inches	10 - >400 kg/h
Installed power	Batch size
1.5 kW 2 HP	10-5000 kg
Process gas @ 7 bar	Process gas @ 12 bar
13,74 Nm ³ /min (485,22 CFM)	23,33 Nm ³ /min (823,89 CFM)