

FREWITT 

FLEXMILL LAB

NANOWITT



WE
CARE
ABOUT
MILLING

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FLEXMILL-LAB NW



The FlexMill-Lab NW is a high-performance bead mill engineered specifically for wet nano-milling of pharmaceutical products down to D50 of 50 nm.

The modularity of the milling chamber lends itself to processing batches ranging from milligrams of solids up to 1.5 kg. Short milling time at lower specific energy allows gentle product processing and a tight particle size distribution. The device's compact design facilitates easy integration and quick set-up in any laboratory.

SUITABLE FOR THE FOLLOWING INDUSTRIES:



Pharmaceutical



Battery



Chemical



Food

- High-efficiency mill operating at low rotor tip speed
- Intensification of comminution process, high mixing and homogeneity
- Dynamic separation system (patented) with no filter and thus no clogging
- Optional in-line & real-time PAT solutions for size measurement
- GMP design combines simplicity of use, efficient bead handling and high product recovery
- Easy cleaning Washing-in-Place (WIP) and quick tool-free access to internal components
- Multiple operation modes (batch, semi-batch for filling/emptying, external recirculation)
- Simple and easy integration of the milling head into a rigid or flexible isolator
- Very broad scope of application for all types of powders
- Milling head readily interchangeable on a single Tri-Clamp connection flange
- Light, compact milling head
- Quick, efficient and simple cleaning of the milling head



Compact foot print of (700 x 800 x 700 mm / L x E x H)



PROCESS CHARACTERISTICS



Batch size

from mg up to 1.5kg of solids



Temperature

accurate processing temperature control



Particle size range

D50 down to 50 nm



WORLDWIDE PRESENCE



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