



J-100, J-125 & J-150 Series

Fluid jet micronizers designed for 'small production'

<u>Jet mill systems</u> are the ideal choice for micronising pharmaceutical powders down to 1 micron in size.

{xtypo_info}Especially developed for pharmaceutical applications, the **J-100**, **J-125** & **J-150** fluid jet micronizers are designed for small production applications.{/xtypo_info}Based on the

intuitive and highly efficient jet milling technology developed by

Tecnologica Meccanica

(Italy), the

J-100

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J-125

&

J-150

series of

Fluid Jet Micronizers

are capable of yielding extremely narrow tight particle size distribution (PSD) curves of d99<3 μ m (99% below 3 μ m) or even less depending on the nature of the product.

{faq inline/tabs}

Profile

The J-100 fluid jet micronizer has been designed on the basis of c

The J-100 works at a constant temperature (endothermic) and ope

{xtypo_quote} Thanks to its 100 dular design concepts the spandated, on redutes, to the

Features

- Productivity from 0.50 to 30.00 kg/hour
- •One single collecting point
- •Static classifier in three different configurations
- •Salability of the process to bigger micronizers
- •Very low product loss, typical yields are 99% of batch size
- •Elimination of blow-back phenomenon
- ·Limited caking of sticky powders
- •Quick and easy assembling and disassembling of the system with a limited number of clamped compor
- •Rapid cleaning and easy validation
- •Simplicity of the whole unit

or

- •Equipped with a skid-moters Gas Generator for feeding treated gas to the jet mill
- •Every equipment is manufactured in AISI type 316L (EN 1.4404) stainless steel or in Hastelloy mirror personal statement statement
- •Special internal lining, Ptfe, Pur (Vulkollan), Ceramic, Titanium nitride, etc.

Benefits

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The main advantage of the imachienes ipante etclatribity to ion or or lization and edibler servell of capetity to for pances

This new family of micronizers has the lowest consumption of process gas per kg of production on the m

Technical Specifications

Milling Chamber: J-100

- •Process gas at 7 bar=0.45 m3/min (15.9 CFM)
- •Process gas at 12 bar=0.73 m3/min (25.8 CFM)
- •Estimated capacity=from 0.50 to 7.50 kg/hour

Milling Chamber: J-125

- •Process gas at 7 bar=0.59 m3/min (20.9 CFM)
- •Process gas at 12 bar=1.01 m3/min (35.7 CFM)
- •Estimated capacity=from 0.50 to 15.00 kg/hour

Milling Chamber: J-150

- •Process gas at 7 bar=0.73 m3/min (25.8 CFM)
- •Process gas at 12 bar=1.25 m3/min (44.2 CFM)
- •Estimated capacity=from 0.50 to 30.00 kg/hour

Options

Numerous configurations are available and can be offered to tailor our micro

The following options are already available:

- •Volumetric or gravimetric pharma feeders
- •Many different configurations for cyclone filter
- ·Sanitary rotary valve for the product collection

- •In line sampling device
- •Low Emission version with 00eb filter ()
- Balance line

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- •CIP and SIP systems
- Explosion proof (ATEX) version
- Sterile version
- System fully automated by PLC/HMI
- Totally contained solution in isolator

The Standard Pharma Weesidar components that can be shared by all the different milling chambers

- •Upper and lower plates + central nozzles ring closed by three handles or by a single V-clamp
- •Open manifold execution, FDA validated
- •Stainless steel cyclone filter with polyester anti-static filter sleeve
- •Fully automated pneumatic shaking system
- •Supporting table with two pressure gauges, one thermometer and two ball valves
- Anti static swivel castors

Gallery {gallery}J100125150{/gallery} See it in Action! {flv}video |600|450|{/flv}

{/faq}

Find out more about <u>Micronization Technology</u> and its advantages to your applications below:

{faq inline/sliders} What is Micronization Technology?

Micronization Technology is a term that refers to the complex process of producing highly-refined po-

Generally, this is a complicated and rather expensive process with wide applications in various fields, pa

How Does Micronization Technology rk?

Process powder is fed tangentially at subsonic speeds (approximately 50 m/s) into the flat cylindrical mil

{flv}venturi |600|450|{/flv}

The micronizing effect occurs when the slower incoming powder particles and the faster particles in the

Watch the micronization effect in a jet mill below:

{flv}jetmill |600|450|{/flv}

This process works at a constant temperature (endothermic) and independently with the lowest consum

Particle Size Distributi(PSD) is controlled by adjusting two managements.
PRESSURE : The energy used to micronize; increased pressure incre

The Fluid Jet Micronizer Ædhantægesi-tech milling chamber geometry

- · Nozzles designed for laminar jet streams and available with different grinding angles
- · Optimized static classifier
- Elimination of the "caking" of sticky powders
- Narrow Gauss curve (particle size distribution)
- · Lowest gas consumption on the market
- Elimination of the "blowback" phenomenon
- Optimised gas-solid separation and unique collecting point with yields close to 100%
- Balance and control of pressures within the whole micronisation system
- Reduction of contact surfaces rapid cleaning and lower product loss
- · Easy cleaning and validation operations
- Sterilizing system with hydrogen peroxide solution
- Inexpensive and easy to operate
- Capable of processing products with high solvent content (around 3000 ppm)
- Capable of processing sticky powders that do not flow well

Find Your Fluid Jet Micronizer Solution

Tecnologia Meccanica has over 40 years expellion Technology . It currently manufactures Fluid Jet Micronizers

Each size caters for a different requirement, depending on your application. If you are at all unsure or re

To browse each solution Fluid Det Midt your desired a distribution available

J-20, J-25 & J-30 Series The capacity is from 0.5 100.00 g/hour, suitable for la

J-40, J-50 & Lamp; J-70 Series The capacity is from 0.00000071000 kg/hour, suitable for pilot, or small pro-

J-500, J-600, J-750 & J-7900 Apriesty is from 0.50 at 1450 Le Of the grinour, instinitable idear large production appl

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Download Brochure:

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J-100 Data Sheet

J-125 Data Sheet

J-150 Data Sheet

J-100, J-125 & amp; J-150 Product Sheet

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J-100, J-125 & J-150 Presentation 🃜

Fluid Jet Mill Technology



Benefits From the High-Tech Micronization Process

Tests and Trials-Fluid Jet Micronizers



Check List Sheet-Fluid Jet Micronizers

Screw Feeders T

PSD-Fluticasone Propionate {/xtypo_download}



Specializzata nello sviluppo e nella produzione di MICRO Specialized in the development and manufacturing of FLUID JET M