

J-40, J-50 & amp; J-70 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-40**, **J-50** & **J-70** Fluid Jet Micronizers are designed for R & D and small production.{/xtypo_info} Based on the intuitive and highly efficient jet milling technology developed by **Technologica**(Italy

Meccanica (Italy), the

40

, J-50

0-30 &

J-70

series of

Fluid Jet Micronizers

are capable of yielding extremely narrow tight particle size distribution (PSD) curves of d100<5 μ m (100% below 5 μ m) and 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-40 fluid jet micronizer has been designed on the basi

The J-40 works at a constant temperature (endothermic) and ind {xtypo quote} Thanks to Jt=40 nodular design concepts the spantaled, on reduction, to the or

Features

- Productivity from 0.05 to 7.00 kg/hour
- •One single collecting point bin, available in many different sizes
- •Scalability 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
- •Equipped with a skid-mb?roteess 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

Ability to micronize very 4-770 batches/samples frood 50 for a small batches/samples

Thanks to their modular design concept, these micronizers can be used for R&D as well as for small pro

These compact and versatile units make micronization a much easier process with a low cost of operation

Technical Specifications

Milling Chamber: J-40

- •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 0.05 to 2.00 kg/hour

Milling Chamber: J-50

- •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 0.05 to 5.00 kg/hour

Milling Chamber: J-70

- 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 0.25 to 7.00 kg/hour

Options

Numerous configurations are available and can be offered to tailor our micronizers to your specific applied

The following options are already available:

- •Many different models of screw feeders
- •Many different models of bag filters
- Automatic shaking system for filter sleeve
- Balance line

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- Explosion proof (ATEX) version
- Sterile version
- •Totally contained 'solution in a glove box'

The Standard Pharma Version:

- Modular components that can be shared by all the different milling chambers
- •Open manifold execution, FDA validated
- •Upper and lower plates + central nozzles ring closed by three handles, or by a single V-clamp
- •From 1 It to 5 It product collecting bin, depending on the milling chamber
- •Polyester anti-static filter sleeve in a stainless steel tube with cylindrical inspection glass
- •Supporting table with two pressure gauges, one thermometer and two ball valves
- Manual shaking system
- Anti static swivel castors

Gallery	{gallery}J405070{/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

The Particle Size Distributi(PSD) is controlled by adjusting two means the pressure increased pressure incre

The Fluid Jet Micronizer Advantages

- Enhanced hi-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 expelication 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 Fisitidplies Millet your desired and distribution the available

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

J-500, J-600, J-750 & J-7900 Caprieisy is from 0.5 Octota 500 Le Of desgripo Constitute de la large production appl

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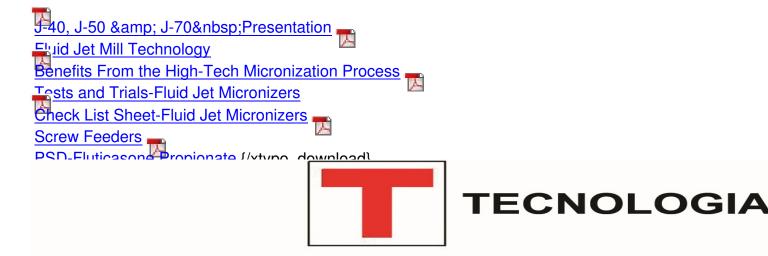
Download Brochure:

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J-40 Data Sheet \frac{1}{15}

J-50 Data Sheet

J-70 Data Sheet

J-40, J-50 & amp; J-70 Product Sheet



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