WHAT HAPPENS...

When you combine a century of engineering excellence, A 10,000+ year old medicinal plant, and a collaborative industry that is growing like a weed?

THE NEW STANDARD FOR CANNABIS MILLING

YOU ASKED. WE LISTENED.
...and together we created a BEAST.
ENJOY!
FAQ’s

HOW FAST CAN I GRIND?
- > 1 lb. per minute dried flowers avg. Individual performance may vary based on moisture content, nature of starting material, and desired final particle size.

ARE CANNABINOIDS & TERPENES PRESERVED?
- Yes. As a continuous milling systems (vs. a closed batch system like a blender or wire trimmer), the P-19 Cutting Mill does not exert any heat load on Cannabis material. The precision cutting mechanisms ensure rapid particle size reduction with minimum exposure to physical damage.

IS IT EASY TO CLEAN?
- Yes — all interior product contact surfaces are stainless steel. The cutting chamber opens up completely to allow easy access to all areas. Reducing the likelihood of accidental batch cross-contamination has never been easier.

HOW MUCH DO THEY COST?
- We strive to optimize our milling systems for any given application. System investment costs may vary depending on specific processing requirements, and we’d be happy to work with you to assess what would work best for your operation.

HOW WOULD THESE INSTRUMENTS HELP OUR BUSINESS?

FOR THE GROWER/PROCESSOR
- Time savings; operational cost reduction
- Greater product consistency; batch to batch reproducibility
- Improve extraction yield & quality
- Easy to clean & validate

FOR THE ANALYTICAL TESTING LABORATORY
- Affordable, effective options for CryoMilling of infused samples
- High-throughput solvent extractions
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www.cannabis-milling.com

CANNABIS Processing & Sample Preparation

FRITSCH Milling and Sizing, Inc.
57 Grant Drive, Suite G
Pittsboro, NC 27312
Phone: 919.229.0599
Email: info@fritsch-us.com
www.fritsch-us.com
www.cannabis-milling.com

Since 1920
Quality made in Germany

YOUR CANNABIS. OUR AUTOBAHN™

www.fritsch-us.com
www.cannabis-milling.com

Sample Preparation

Infused Samples - CryoMilling

Community

Our Thanks to You!

Particle Size Analysis

PULVERISETTE 11
Knife Mill

Create uniform powder from various edibles samples. Capacity of 300+ g per sample, depending on material.

ANALYSETTE 22 NanoTec
Laser Particle Sizer

Determine particle size distribution of milled Cannabis, or CBD isolate. Measuring range from 10 nanometers to 2 mm.

www.cannabis-milling.com
## FAQs

### HOW FAST CAN I GRIND?

<table>
<thead>
<tr>
<th>Method</th>
<th>Heat Mitigation</th>
<th>High-Throughput</th>
<th>Adjusted, Controllable Particle Size Output</th>
<th>Reproducible Results, Regardless of End User</th>
<th>Easy to Clean, Prevent Cross-Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Grinder</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Blender</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Leaf Cutter</td>
<td>Some</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hammer Mill</td>
<td>Yes</td>
<td>No</td>
<td>Some</td>
<td>Some</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Additional Considerations:
- Some - May vary based on specific processing requirements.
- Yes - All interior product contact surfaces are stainless steel.
- No - Stainless steel is not used.
- Heat Mitigation: Continuous system prevents resin build up.
- Reproducible Results: Regardless of end user.
- High-Throughput: >1 lb/min avg.
- Adjusted, Controllable Particle Size Output: Yes.

### ARE CANNABINOIDS & TERPENES PRESERVED?

Yes. As a continuous milling system (vs. a closed batch system like a blender or wire trimmer), the PULVERISETTE 19 Cutting Mill does not exert any heat load on Cannabis material. The precision cutting mechanisms ensure rapid particle size reduction with minimum exposure to physical damage.

### IS IT EASY TO CLEAN?

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### HOW MUCH DO THEY COST?

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#### FOR THE ANALYTICAL TESTING LABORATORY

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- High-throughput solvent extractions

### PERFORMANCE ADVANTAGES

- Adjustable, controllable particle size output
- Reproducible results, regardless of end user
- High-throughput, continuous processing (>1 lb/min avg.)
- Dust-free, easy to clean - stainless steel
- Heat Mitigation: Continuous system prevents resin build up
- Reproducible performance regardless of user
- Adjustable, controllable particle size output
- Cyclone sample collection system provides product cross-contamination and prevents resin build up

### APPLICATIONS

- HomoGenize Isolates
- Create material for premium pre-rolls
- Optimize particle size for distribution
- CO2 or EtOH extraction yield
**FAQ’s**

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**Applications**
- Optimize particle size & distribution for CO₂ or EtOH extraction yield
- Create material for premium pre-rolls
- Homogenize isolates

**Performance Advantages**
- Adjustable, controllable particle size output with tight particle size distribution
- Reproducible performance regardless of end user
- High-throughput, continuous processing > 1 lb per min. avg.
- Dust-free, easy to clean - stainless steel product contact surfaces
- Cyclone sample collection system provides heat mitigation and prevents resin build up

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