

Noztek pelletizer

Noztek Pelletizer dual-function compounder: Advanced 3D Extrusion



Overview

The Noztek Pelletizer is an innovative compounder with dual functionality, making it ideal for both laboratory and full-scale production environments, delivering high-quality pellets. Designed for efficiency and reliability, this machine comes with two cutting blades catering to distinct purposes. One blade is tailored for micro compounding, particularly suited for research and development in the pharmaceutical industry, while the other is geared towards intensive production.

The Pelletizer is fully compatible with our range of extruders and tolerance puller, ensuring seamless integration into your production process.

Technical specifications

General features

Super Hardened Steel Cutting Blades : Medical-grade durability which guarantees an extended lifespan for the blades, enhancing their performance and contributing to the consistent production of high-quality pellets.

Material Composition: Stainless steel chassis and parts, durable and corrosion-resistant.

Interchangeable cutting discs: The Pelletizer presents two interchangeable cutting discs (6 edge & 24 edge blade) tailored to distinct operational requirements. The 6 edge blade is meticulously crafted for precision in laboratory environments. The 24 edge blade is engineered to facilitate precision at higher speeds, catering to the demands of larger-scale production processes.

Modes: The touchscreen interface features a manual mode, giving you full control over pellet size by adjusting cutting and feeding speeds. It also includes an auto mode with preset target values for pellet size.

Operating Temperature Range: -5°C to 65°C .

Color/Finish: Brushed stainless steel.

Dimensions: W: 44cm x H: 30cm x D: 25.5cm.

Weight: 35 kg.

Output capacity

Maximum feed-in rate: 4 meter of filament per minute / 240 meter of filament per hour (Speed may vary depending on desired pellet size output).

Minimum feed-in rate: 1 meter per 6.5 minutes.

Maximum quantity output: 1440 pellets per minute / 86400 pellets per hour. (Maximum quantity output may vary depending on desired pellet size output and feed-in rate).

Input Diameter Range: 0.5 mm – 3 mm.

Pellet Length Range: 0.3 mm – 10 mm. (For input diameters larger than 1.75 mm, pellet length should not exceed 4 mm)

Technical specifications

Control & Connectivity	<p>Bespoke PCB for optimized performance.</p> <hr/> <p>4.3" Touchscreen Interface: Intuitive and easy to operate.</p> <hr/> <p>Preset Quick-Start Options: Streamlined operation</p>
Motor	<p>Motor Speed: variable speed up to 57 RPM max.</p> <hr/> <p>Torque: 35 Nm.</p>
Power	<p>Voltage Requirements: 220VAC or 110VAC.</p> <hr/> <p>Power Rating: 10A.</p> <hr/> <p>Frequency: 50 Hz / 60 Hz.</p>
Safety	<p>Emergency Shutdown Capability: In cases of urgency, the system offers a rapid electrical shutdown mechanism for immediate cessation of all operations.</p> <hr/> <p>Motor Block Management: Should the motor face any operational hindrance, the system promptly issues a notification message and halts the motor to prevent further complications.</p>
Certification	<p>CE certified: For compliance with safety and quality standards</p>

Contact

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For more detailed information, please refer to the Noztek Pelletizer user manual or feel free to contact our dedicated Noztek expert team for direct support and guidance.