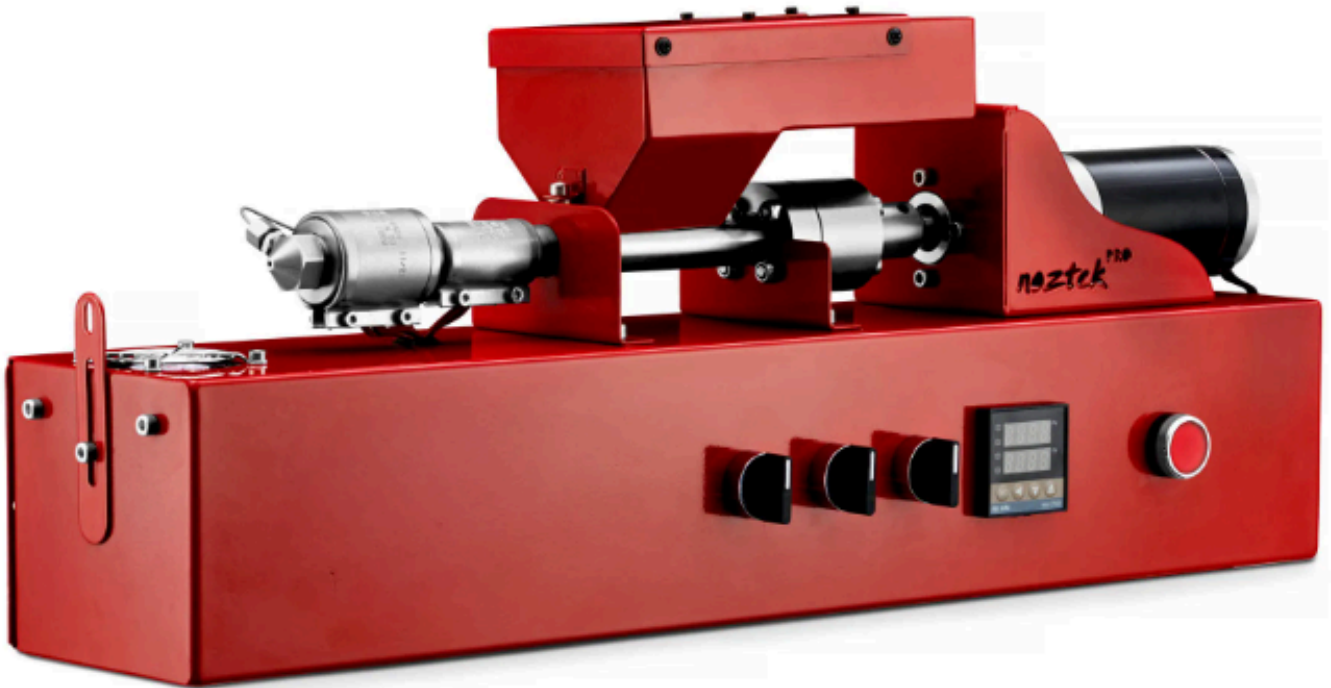# Noztek Pro

The Noztek Pro range of extruders:
Advanced 3D Extrusion

Overview

The Noztek Pro Desktop Filament Extruder is a revolutionary solution for reducing the high costs of 3D printing filament. It empowers makers with the flexibility to produce custom filament tailored to their specific needs.

As Noztek's first filament extruder, the Pro model introduced the company to the market as a reliable, entry-level analogue extruder. It features dual heater bands and a 50 RPM, 16Nm DC motor set at a fixed speed as standard.

Designed for efficiency, the Noztek Pro is equipped with a high-torque planetary motor and a specially engineered screw, enabling the smooth extrusion of various polymers in both pellet and powdered form.

Technical specifications

General features	**Screw**: The Noztek PRO/ PRO HT incorporates a multi-stage stainless steel single screw, designed to enhance the extrusion process. The stainless steel barrel and screw assembly ensures durability and resistance to corrosion, making it suitable for extruding various materials, including those with unique properties or specific processing requirements.
	Versatile Material Compatibility: The Noztek PRO/ PRO HT has undergone rigorous testing with a wide range of polymers, including: ABS, PLA, PET, PP, HDPE, Recycled plastic, powders & composite materials
	Nozzles: Stainless steel nozzles available in two sizes: 1.75mm and 3mm in diameter. Custom sizes available on request.
	Color/Finish: Red powder coat chassis and hopper.
	Dimensions: L: 80 cm x W: 15 cm x H: 54 cm.
	Weight: 12 kg.
Heating System	**Pro:** Two heater bands with a maximum temperature setting of 300°C.
	Pro HT: Two heater bands with a maximum temperature setting of 500°C.
Motor	**Motor Speed**: Fixed 50 RPM speed.
	Torque: 162 kg-cm. This high torque capability ensures efficient and consistent filament extrusion even when processing challenging materials or operating under demanding conditions.
Output capacity	**Hopper capacity:** 600 gram maximum, 50 gram minimum.
	Extrusion output capacity: The Pro/PRO HT demonstrates an impressive extrusion capacity, capable of producing approximately 1-2 meters of filament per minute. This translates to an estimated output of 60-120 meters or 300 grams of filament per hour.

Technical specifications

Power	**Voltage Requirements**: 220VAC or 110VAC.
	Power Rating: 10A.
	Frequency: 50 Hz / 60 Hz.
Certification	**CE certified:** For compliance with safety and quality standards.

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