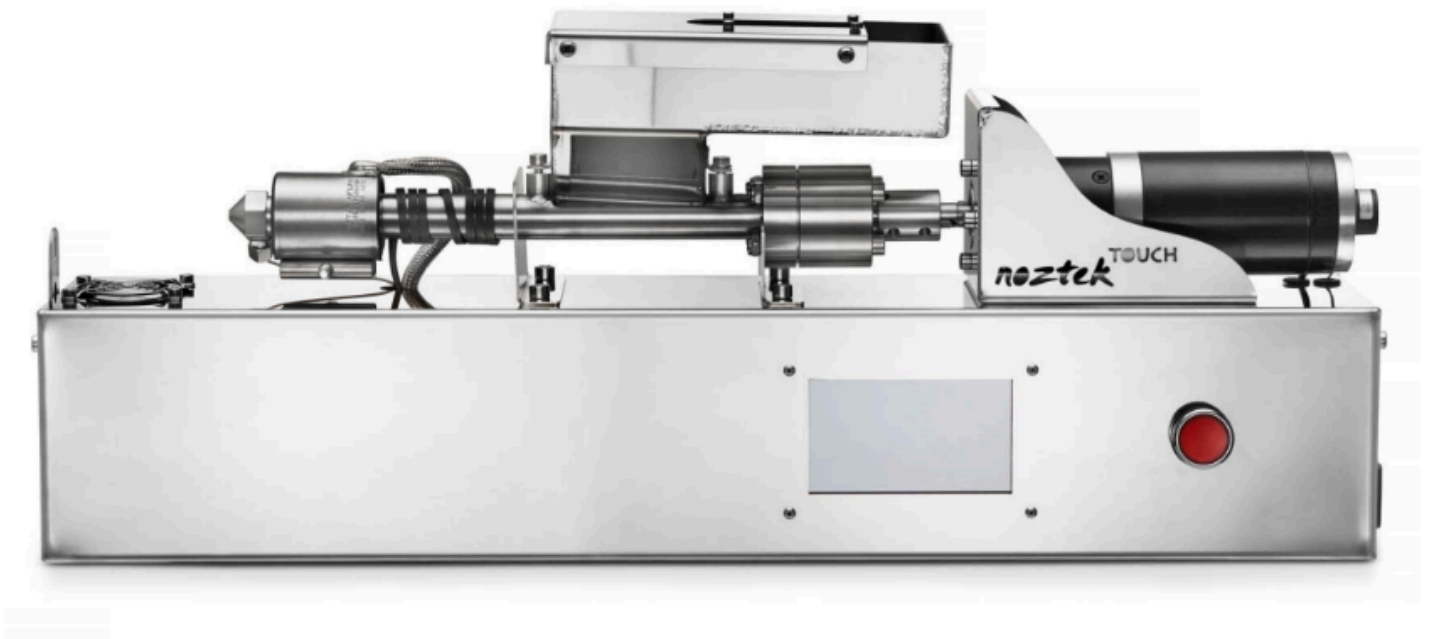


# Noztek Touch

**The Noztek Touch range of extruders:**  
Advanced 3D Extrusion



## Overview

**The Noztek TOUCH/ TOUCH HT**, a versatile single screw desktop extruder, has been meticulously designed for the precise production of high-quality filament extrusion. The enhanced features of the Noztek TOUCH/TOUCH HT provide comprehensive control over the extruder, allowing customization to your exact specifications through an intuitive and user-friendly touch screen interface. This extruder's adaptability extends its value across diverse industries, including pharmaceuticals, 3D printing, and the chemical sector, offering a cost-effective and efficient means to shape and process materials into top-tier filaments.

## Technical specifications

<b>General features</b>	<p><b>Screw:</b> The Noztek TOUCH/ TOUCH 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.</p> <hr/> <p><b>Versatile Material Compatibility:</b> The Noztek TOUCH/ TOUCH HT has undergone rigorous testing with a wide range of polymers, including: ABS, PLA, PET, PP, HDPE, Recycled plastic, powders &amp; composite materials</p> <hr/> <p><b>Nozzles:</b> Stainless steel nozzles available in two sizes: 1.75mm and 3mm in diameter. Custom sizes available on request.</p> <hr/> <p><b>Color/Finish:</b> Stainless steel chassis &amp; hopper or red powder coat chassis &amp; hopper.</p> <hr/> <p><b>Dimensions:</b> L: 80 cm x W: 15 cm x H: 54 cm.</p> <hr/> <p><b>Weight:</b> 12 kg.</p>
<b>Heating System</b>	<p><b>Touch:</b> Nozzle and barrel heater bands can be individually adjusted, with a maximum temperature of 300°C.</p> <hr/> <p><b>Touch HT:</b> Nozzle and barrel heater bands can be individually adjusted, with a maximum temperature of 500°C.</p>
<b>Motor</b>	<p><b>Motor Speed:</b> variable speed up to 50 RPM max.</p> <hr/> <p><b>Torque:</b> 162 kg-cm. This high torque capability ensures efficient and consistent filament extrusion even when processing challenging materials or operating under demanding conditions.</p>
<b>Output capacity</b>	<p><b>Hopper capacity:</b> 600 gram maximum, 50 gram minimum.</p> <hr/> <p><b>Extrusion output capacity:</b> The Noztek TOUCH/TOUCH 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.</p>
<b>Certification</b>	<p><b>CE certified:</b> For compliance with safety and quality standards</p>

# Technical specifications

<b>Control &amp; Connectivity</b>	<p><b>Bespoke PCB for optimized performance.</b></p> <hr/> <p><b>Noztek controller software integration:</b> The Noztek TOUCH/TOUCH HT comes complete with Noztek's proprietary integrated software, seamlessly connecting to a computer to provide real-time performance monitoring, complete with detailed temperature and speed charts.</p> <hr/> <p><b>4.3" Touchscreen Interface:</b> Intuitive and easy to operate. Manual control over temperature and RPM via touchscreen interface</p> <hr/> <p><b>Program Memory:</b> The system retains the most recently used target temperature, speed settings, and timer configurations even after a system restart.</p> <hr/> <p><b>USB Connectivity for computer integration:</b> Monitor and export all the important data from each extrusion run.</p>
<b>Power</b>	<p><b>Voltage Requirements:</b> 220VAC or 110VAC.</p> <hr/> <p><b>Power Rating:</b> 10A.</p> <hr/> <p><b>Frequency:</b> 50 Hz / 60 Hz.</p>
<b>Safety &amp; Monitoring</b>	<p><b>Emergency Shutdown Capability:</b> In cases of urgency, the system offers a rapid electrical shutdown mechanism for immediate cessation of all operations.</p> <hr/> <p><b>Warm-Up Function:</b> The warm-up feature is engineered to ensure the barrel reaches optimal operating temperature within 15 minutes. This minimizes the risk of unmelted materials obstructing the motor, thereby preventing potential damage to the motor or the machine.</p> <hr/> <p><b>Motor Block Management:</b> Should the motor face any operational hindrance, the system promptly issues a notification message and halts the motor to prevent further complications.</p> <hr/> <p><b>Sensor Anomaly Detection:</b> The system incorporates sensor malfunction detection, which promptly communicates deviations from correct temperature readings by issuing a notification message.</p>

## Contact

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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.