

FOR IMMEDIATE RELEASE

Noztek Unveils the FusionX: A Breakthrough in Desktop Extrusion Technology

Shoreham-By-Sea, England – Noztek Ltd proudly reintroduces the **FusionX**, a state-of-the-art desktop single-screw hot melt extruder that has set a new benchmark in the processing of bio-polymers, nano-composites, and pharmaceuticals. Engineered with precision and backed by years of refinement, the FusionX remains a leading choice for professionals seeking superior blending performance and process control.

Key Features of the FusionX:

- **Advanced Blending Mechanism:** Equipped with three sets of hardened stainless steel blending blades, the FusionX achieves exceptional dispersive mixing. Users can customize the blending process by sequentially inserting blades of varying sizes, tailoring the shear rate to specific material requirements.
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- **Robust Motor Performance:** The extruder is powered by a formidable 50 RPM, 16 Nm DC motor, delivering the torque and speed essential for efficient blending of composite materials in their molten state.
- **Innovative Heating System:** Featuring a custom-designed 1000W ceramic base heater and a 485W high-temperature band heater, the FusionX ensures precise nozzle temperatures, enhancing material consistency and quality.
- **User-Friendly Interface:** The intuitive touch screen control panel allows for seamless operation, while Noztek's proprietary software facilitates real-time data monitoring and exportation, empowering users with comprehensive process control.
- **Efficient Maintenance:** The solid stainless steel split barrel design enables rapid disassembly, simplifying cleaning and maintenance procedures, thereby minimizing downtime.

The FusionX stands as a testament to Noztek's dedication to advancing extrusion technology, offering unparalleled performance in a compact, desktop footprint. Its versatility and precision make it an invaluable asset for laboratories and manufacturers aiming to innovate in material processing.

About Noztek Ltd:

Based in Shoreham-By-Sea, England, Noztek Ltd specializes in the design and manufacture of high-quality extrusion systems. With a focus on innovation and customer satisfaction, Noztek continues to lead the industry in developing cutting-edge solutions for material extrusion needs.

For more information on the FusionX and other Noztek products, please visit <https://noztek.com/product/noztek-fusionx/>.

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