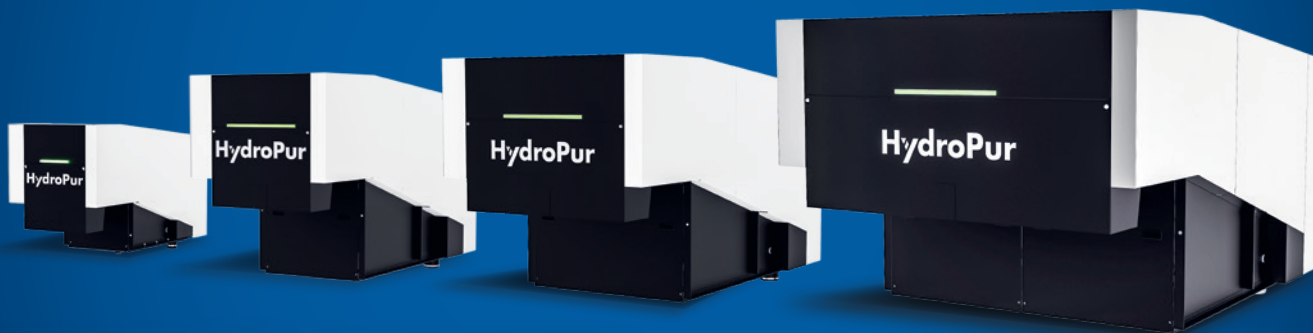


The right filter for every grinding application



The modular design of the KNOLL HydroPur allows for “configuration rather than construction.” This results in fast delivery and a very attractive price-performance ratio.

*Grinding and polishing generate minute chips and particles that contaminate cooling lubricants and grinding oils. To achieve high-quality grinding results, these must be reliably filtered out. At its **GrindingHub Booth 7C50 in Hall 7**, KNOLL Maschinenbau will showcase its two filter solutions: HydroPur and MicroPur®. The different variants and sizes of these filters can be supplemented with numerous options, allowing them to be optimally adapted to a specific grinding application.*

The KNOLL HydroPur is a hydrostatic filter capable of supplying metal-cutting machine tools with purified cooling lubricant (emulsion or oil). Due to its shallow discharge angle and high filter fineness, this filter type is particularly suitable for use in grinding processes. KNOLL offers different variants of the HydroPur, which differ in maximum filtration capacity, potential vacuum assist as well as numerous options. Thanks to the modular design using standard components, a customer-specific filter can be configured without the need for an expensive custom design.

The various HydroPur variants will be the focus at the KNOLL booth at GrindingHub 2026. The smallest model on display, a HydroPur H 250, will be presented as a complete system. This system consists of a hydrostatic filter head, a clean tank, filter fleece, supply pumps, and an optionally available unit for surface skimming.

KNOLL will demonstrate additional filtration variants and options using filter heads from the larger models. The HydroPur 400 is showcased as a cost-effective, entry-level filter featuring purely hydrostatic filtration. An optional supplementary

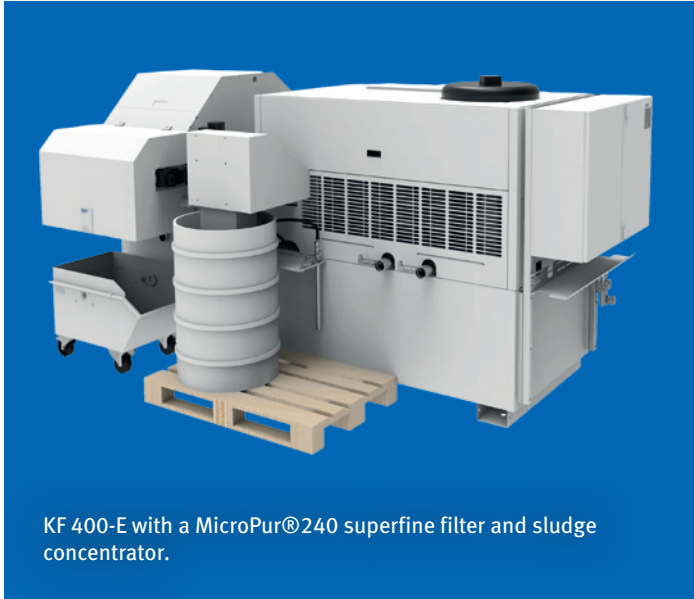
magnetic roller is also on display here. The HydroPur H 700 demonstrates simple vacuum-assisted filtration. This is achieved via a side-channel compressor, which generates a vacuum in the filter chamber and thus enhances filtration. At the trade fair, the HydroPur H 700, with a winding unit for the used filter fleece, will be on display.

While the two HydroPur variants described are already successfully on the market, the V variant, equipped with a large vacuum turbine and filter pump, will receive sales approval shortly. At GrindingHub, visitors can get a preview of the HydroPur V 1500-E.

Thanks to the powerful vacuum pump, HydroPur V filters achieve significantly improved filtration performance. In the case of the HydroPur V 1500, this is 1,500 l/min. The H variant with the same filter head handles 1,000 l/min. Incidentally, the additional “E” in the exhibit’s product name stands for an additional continuous filter belt, which ensures reduced operating and disposal costs.

When filter fineness of less than 3 µm is required

Designed for the finest filtration, the MicroPur® superfine filter – also featuring a modular design – is KNOLL’s flagship product. It is ideally suited for use in the grinding of carbide and HSS tools. But it also delivers optimal results in the machining of castings. The MicroPur® achieves a filter fineness of less than 3 µm and manages without filter consumables thanks to its special design, which makes



KF 400-E with a MicroPur@240 superfine filter and sludge concentrator.

a significant contribution to its high degree of efficiency and sustainability.

At GrindingHub 2026, KNOLL will showcase the smallest standard model, the MicroPur@120, which features two backflushable filter elements for a filtration capacity of approximately 120 l/min. The KNOLL MicroPur@ product range also includes standalone units in sizes of 240 and 480, as well as individually-configured, centralized filtration systems for entire production areas.

The Click for increased efficiency

The innovative Click.it system developed by KNOLL will also be on display at GrindingHub 2026. This probe system specifically helps to reduce waste and increase efficiency in various production processes. Whether you need to requisition materials, call the foreman or monitor machines, Click.it ensures



The Click.it Pro hardware solution, with its five freely programmable buttons, display and microcontroller, deserves special note.

that information arrives right where it is needed, without detours. The system, which is available in various expansion levels, is based on a combination of buttons, sensors, software, and interfaces that collect data and transmit it to a central server. The server processes the data and transmits it to various output devices. In parallel with this, it is possible to evaluate the data, which allows for transparent process control.

You can find KNOLL Maschinenbau at GrindingHub 2026 in Hall 7, Booth 7C50.



KNOLL Maschinenbau GmbH

KNOLL is the leading provider of conveyor systems, filtration systems and pumps for metal processing. These systems transport and separate chips and cooling lubricants. KNOLL's Automation Division deals with solutions for challenging assembly and logistics tasks. The comprehensive product range offers systems for decentralised or centralised applications. Since 1970, KNOLL has stood for innovation, progress and growth.

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