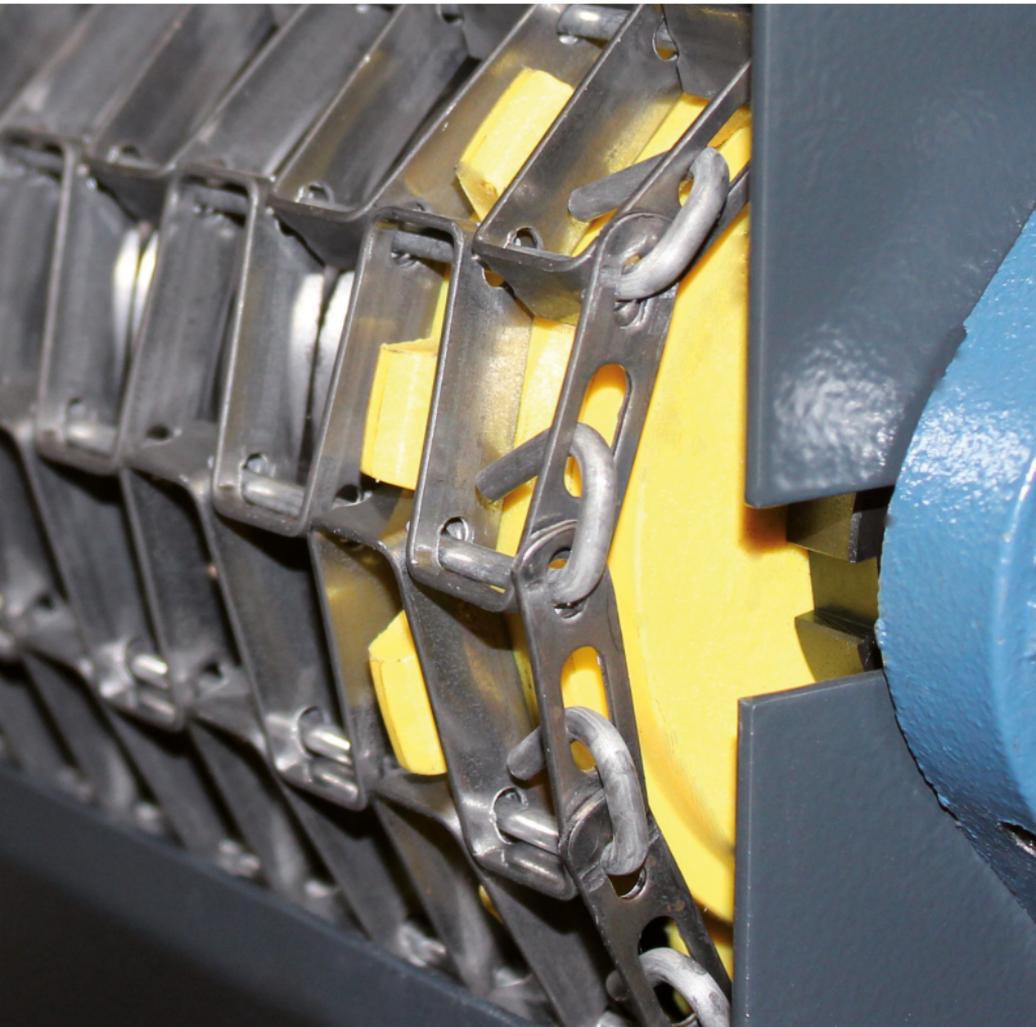


technotrans

power to transform

toolsmart

Preparation and filtration of cooling lubricants





Compact and user-friendly systems

The toolsmart.line equipment is not only space-saving. It also enables the control of several different processes via a single control unit. As a result, one single cooling system can supply several different manufacturing areas, for example.

Cost-saving is only one factor. It is also a sustainable and environmentally friendly solution.

toolsmart

Modular solution as combination units

Advantages at a glance:

- Cooling lubrication preparation for 1 or 2 processing centers
- compact installation dimensions
- Established filtration systems that can be combined (multi-level filtration up to $< 5\mu\text{m}$)
- Processes e. g. steel, aluminium, cast iron, glass, ceramics, cfk and graphite
- Tank sizes/pump equipment, depending on requirements
- cooling capacity up to 20kw
- High degree of operation and service comfort
- Options such as refilling, skimmer etc. available



Cooling lubricant preparation and cooling compactly combined

The toolsmart series is a well-established solution for the filtration and temperature control of machine tools, and the ECO.tec chiller series is used in laser cooling and other applications. The new combination unit based on these two product series has been specifically developed for additive manufacturing by technotrans. Like the entire toolsmart series, the system for industrial 3D printing has a modular and particularly compact design.

Thanks to the proven multi-zone cooling concept, the system can also be used as a chiller for other machine tool segments. The spindle, hydraulic system, switch cabinet, cooling lubricant and other areas are all controlled – based on a single control element – via several independent refrigeration circuits.

The available models include a basic system up to the flexible toolsmart.xt unit with a tank capacity up to 4,000 litres and a filtration rate of up to 750 l/min.



Combination units – modular solutions

toolsmart – compact solution for the preparation of cooling lubricants and washing water solutions. It can be used as a centralised or decentralised unit for various processing methods. Its modular concept enables the adaptation of the system to process-specific applications or processes.

Main components of the toolsmart are the various combinable filtration modules for full flow, partial flow, or bypass. The system can be supplemented by modules for such functions as e. g. cooling, heating, metering, or skimming.

A unique concept: Modular solutions of the toolsmart combine cooling of spindle, control cabinet, and cooling lubricants in a central system – it is compact and requires little space.

About technotrans

technotrans works on the realisation and continuous improvement of matching peripheral systems that work together and supplement one another smoothly and optimise the production in various industry sectors.

technotrans customers use 17 service and sales companies of the corporation worldwide, which offer a total of 1,400 employees, to ensure the satisfaction of their own international clients.

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