

Coolant cleaning with centrifugal technology



STA

Centrifugal Liquid Recycling



Centrifugal Separators, semi-automatic



Self-cleaning Centrifugal Separators and Central Water Treatment Systems



Microfilter Systems

Discover gravity

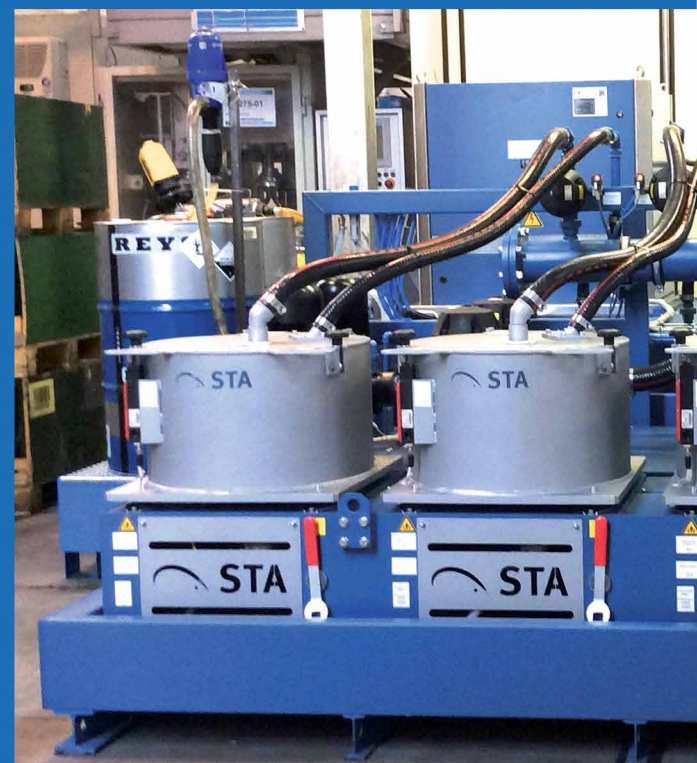
Save your filter disposables and improve coolant purity with STA Centrifugal Separators: they clear process fluids reliably and without use of consumables from any solid contamination and tramp oil, conserving emulsions, effective even on high-viscosity oils, or in stainless steel resistant for use on corrosive media.

Finest and even unfilterable micro-particles down to 1 to 3 microns are separated with maximum rotor accelerations and special fluid-dynamical design. Tramp oil can be removed simultaneously with the 3-phase separation system.

The separation efficiency stays unchanged throughout the operation cycle; finally the solids are discharged as dry and compact sludge, ensuring optimum resource recovery, either by an easy and very quick manual operation, or fully automatic in case of high sludge volumes.

STA Centrifugal Separators work as space-saving compact systems for single or multiple machine connection with many options, such as pre-filtration by magnetic separator, high-pressure supply or spindle cooling.

For the central machinery coolant supply we have over 25 years of experience in design, manufacture and installation of central systems for up to 5,000 l/min., including pre-filtration, chip scraper systems or automatic re-filling.

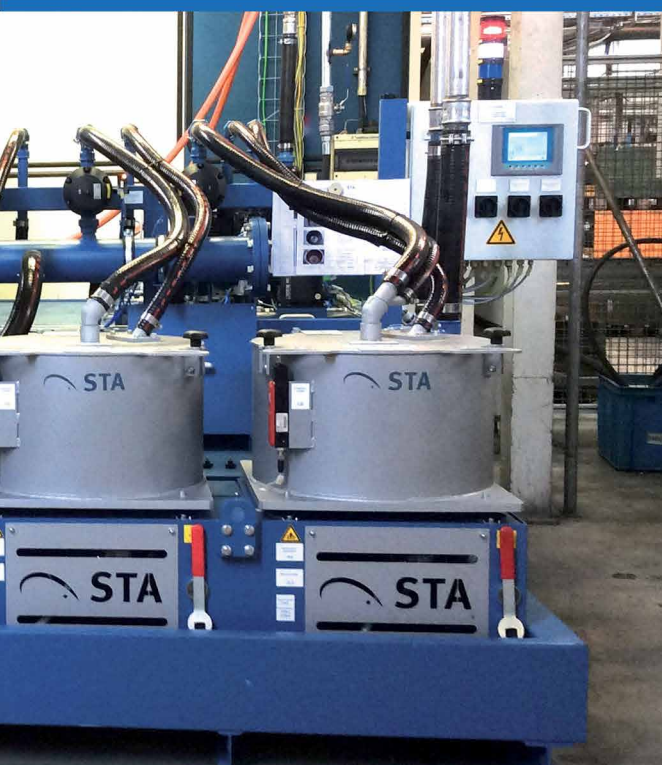


Compact coolant systems with Centrifugal Separators

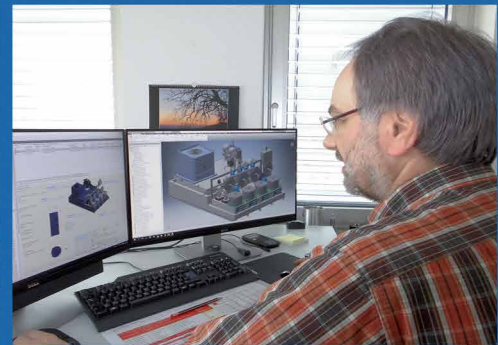
- for direct connection at machine tools
- integrated lifting station
- several standard tank sizes (e.g. 300/700/3000 liters) or according to customer's needs
- custom process pumps (number and type)
- scalable chiller system
- fine cleaning mode (at low flow)
- tramp oil separation optional (3-phase separator)
- excellent separation efficiency and high flow rates: up to 240 lpm per separator with low-viscosity oil



Central system for 3.000 lpm grinding emulsion



High Quality Machinery and Systems Engineering Made in Germany



STA

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