



# STA

Centrifugal Liquid Recycling

**Glass Processing**  
**Water Cleaning**

# STA - We know how

STA has been building centrifugal separators and complex systems for clarifying glass processing water since 1992, gaining the confidence of many renowned glass fabricators and machinery builders.

Our engineering competence results from the know-how of more than 3,000 successfully implemented projects and separators worldwide. Considering always the latest safety regulations we develop high-performance, long-life and safe machines.

We are keeping our high quality standards by adding value in our 800 m<sup>2</sup> production site following certified processes (ISO 9001, WGH 19 L German Water Protection Act).

Today, 55 employees are working in the company-owned factory, which was built in 1993 and considerably extended in 2000, and again in 2017.



Our long-term experience in glass grinding explains the specifically rugged design of our high-performance machines: All parts involved in fluid accelerating and sludge discharge are furnished with tungsten-carbide tops and anti-wear coatings. The innovative drive concept with frequency inverter technology assures maximum performance at minimum energy consumption.



# CENTRIFUGAL SEPARATORS MADE IN GERMANY

## CLEAN WATER WITHOUT CHEMICALS

...but with physics: STA Centrifugal Separators clear grinding water, coolant and other process liquids reliably and without use of consumables.

They separate microparticles effectively thanks to the high rotor accelerations and discharge them as dry residues.



## TIME IS MONEY, SPACE IS SCARCE

and costs for consumables and disposal are a thorn in your side: Use your capacities for glass production and not for digging out and cleaning large precipitation tanks. Let our machines do the cleaning – they are built to do the job with unmatched efficiency, using minimum space and no chemicals, nor filter disposables. Their rotor accelerations of about 2,000 x g are applied effectively on the glass particles, achieving high grade efficiencies for particle sizes even down to 1 to 3 microns.

Clean water will improve the grinding performance and increase life of coolant, tools and the machine. The separated sludge is perfectly compressed and doesn't require further drying.

STA Centrifugal Separators help saving water, time, disposal costs and loads of space.

By making flocculation chemicals completely obsolete there is no more clogging of grinding wheels or system pipings, the water stays free from salt and your machine stays free from rust.





## U-15

Max flow rate	150 l/min
Acceleration	1.960 x g
Separation	1 – 3 µm
Sludge Capacity	12 kg

- ▶ Accelerator hub for outstanding separation performance
- ▶ Independent double-bearings for long-life operation and easy maintenance
- ▶ Robust plastic insert and safety latches for quick cleaning
- ▶ Space saving design

## A-25

Max flow rate	170 l/min
Acceleration	1.960 x g
Separation	1 – 3 µm
Sludge Capacity	40 kg/h

- ▶ Fully automatic operation
- ▶ Centrifugal valve sludge drying system
- ▶ Powerful scraper drive and wear-free magnetic clutch
- ▶ Sound- and vibration-damping double-jacket design
- ▶ Wear-free tungsten carbide-topped multi-scraper system



# CENTRAL WATER CIRCULATION SYSTEMS



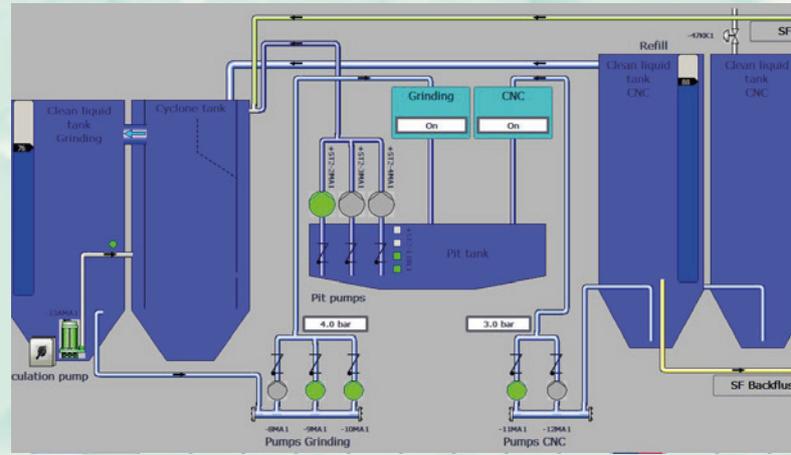
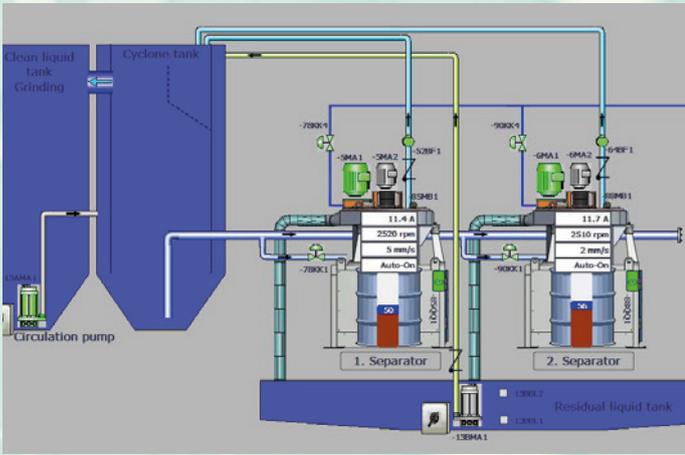
Your grinding shop is something special? We will build your water treatment installation so it fits.

With STA Engineering you will get a system that suits your needs, and at the same time you will benefit from our expertise in process water cleaning and recycling, so you can be sure that it will work well and reliably throughout many years.

We combine our self-cleaning Centrifugal Separators with our proven cyclone tank systems; we design energy-saving ways of process supply with pressure feed-back and frequency inverter controlled pumps.

For the supply of clear water for CNC machines we are installing back-washing micro-filters. Our automatic centrifugal separators are also drying the back-wash slurry from the micro-filter.







## CONTACT

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