TRUCENT.COM | 877.280.7212

Clean Fluids | Work Better | Last Longer

The Leading Technology in Glass Grinding Fluid Filtration

CentraSep® POWERED BY TRUCENT

S Series Centrifuge Technical Data and Skid Module Features

Trucent is the global leader in glass grinding fluid filtration. With a presence in 23 countries and hundreds of installations worldwide, Trucent redefines filtration excellence. For over two decades, Trucent's CentraSep technology has been a trusted partner for automotive, architectural, solar, and precision glass applications. Our filtration solutions are known for their efficiency, reliability, and sustainability, serving manufacturers and fabricators worldwide.

DESIGN AND OPERATING FEATURES

- Single motor design
- Self cleaning
- Excellent media-free filtration
- Automatic self discharging
- Stainless steel components in contact with fluids
- Wide range of fluid handling
- Advanced PLC programming
- Variable frequency drive technology
- Bowl/blade clutch design

The Reliable, Glass Filtration Centrifuge

At the heart of efficient glass fabrication operations lies the CentraSep centrifuge line— the pinnacle of precision and reliability. Designed to raise the quality and performance of your glass fabrication process, CentraSep ensures the vitality of your coolant by effectively filtering and separating contaminants.

Using centrifugal force to separate particulates from liquid greatly increases the force of gravity and quickly separates liquid from solid materials like gravity, Trucent's Liquid Solid Centrifuge works continuously with no operator intervention. Unlike settling tanks, this technology uses very little floor space.

- Chemical-Free, Media-Free
- Fully Automatic Operation
- Minimal Maintenance / Supervision
- Streamlined, One Motor System
- 316 Stainless Steel Wetted Parts
- Low Operating Costs
- Reduced Coolant Consumption, Increased Coolant Life
- Flexible / Scalable / Combinable
- Trusted in 23 Countries
- Hundreds of Units Deployed Worldwide

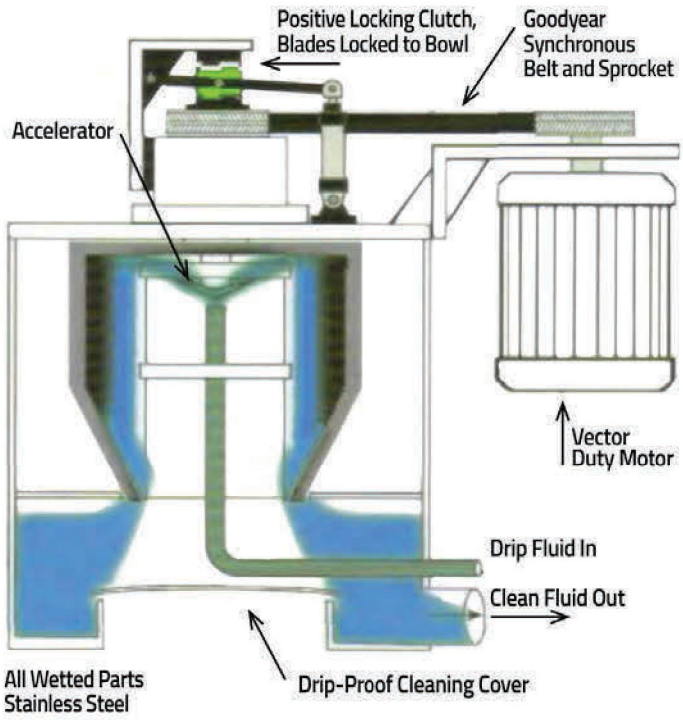
BENEFITS

- Cleaner Fluids
- Less downtime
- Continuous operation
- No operator attendance
- Simultaneous bowl/blade adjustments
- Wide range of fluid handling

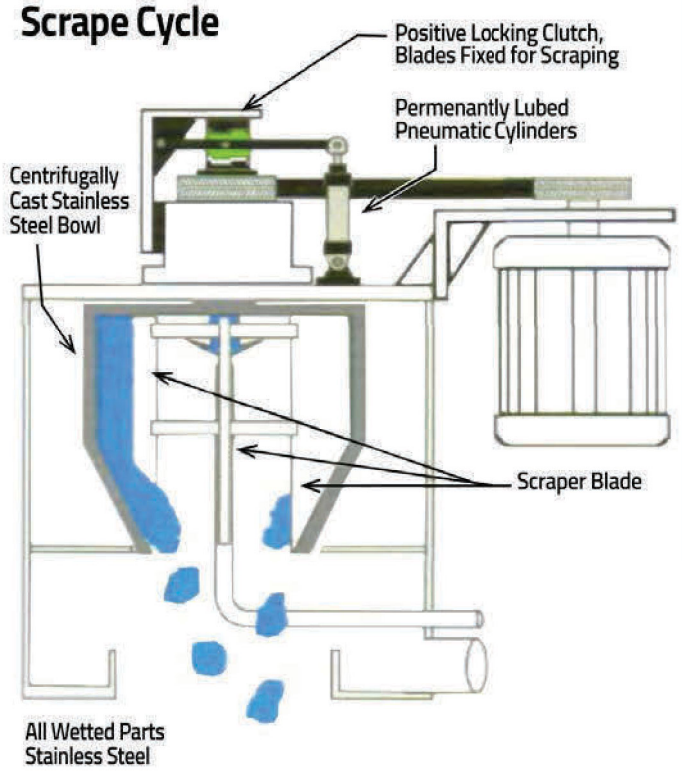
MARKETS SERVED

- Automotive
- Architectural
- Solar
- Precision Glass
- Ceramics
- Other Brittle Materials

Process Cycle



Scrape Cycle



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Working Principle

Before the process cycle, the positive locking clutch couples the blade assembly to the bowl drive. This design ensures that the blade assembly rotates at the same speed as the bowl, keeping the fluids flowing smoothly

As the process cycle begins, dirty fluid enters through the injector tube and is forced into the rotating bowl. The centrifugal force separates the solids and packs them to the bowl wall without slippage. The clean fluid is discharged out through the bottom of the bowl.

At the end of the process cycle, the feed pump is turned off and the variable frequency drive rapidly decelerates the bowl to a smooth stop. The clutch uncouples the blade assembly from the bowl drive and locks it into a fixed position The bowl is then rotated while the blades scrape the bowl wall to discharge the packed particulate. The entire operation is automated.

To learn more, visit Trucent.com/q

CENTRASEP S SERIES – MODELS AND SPECS		
Model	**S-126**	**S-123**
Rotor Speed	0 – 3,000 RPM	0 – 3,600 RPM
Gravitational Force	0 - 2,012 G	0 - 2,016 G
Solids Holding Capacity	6.34 Gallons	3 Gallons
Bowl	316 Stainless Steel	316 Stainless Steel
Control Panel	NEMA 12	NEMA 12
PLC	Allen-Bradley	Allen-Bradley
Air Requirements	3 SCFM, 60 PSI shop air (intermittent use)	3 SCFM, 60 PSI shop air (intermittent use)