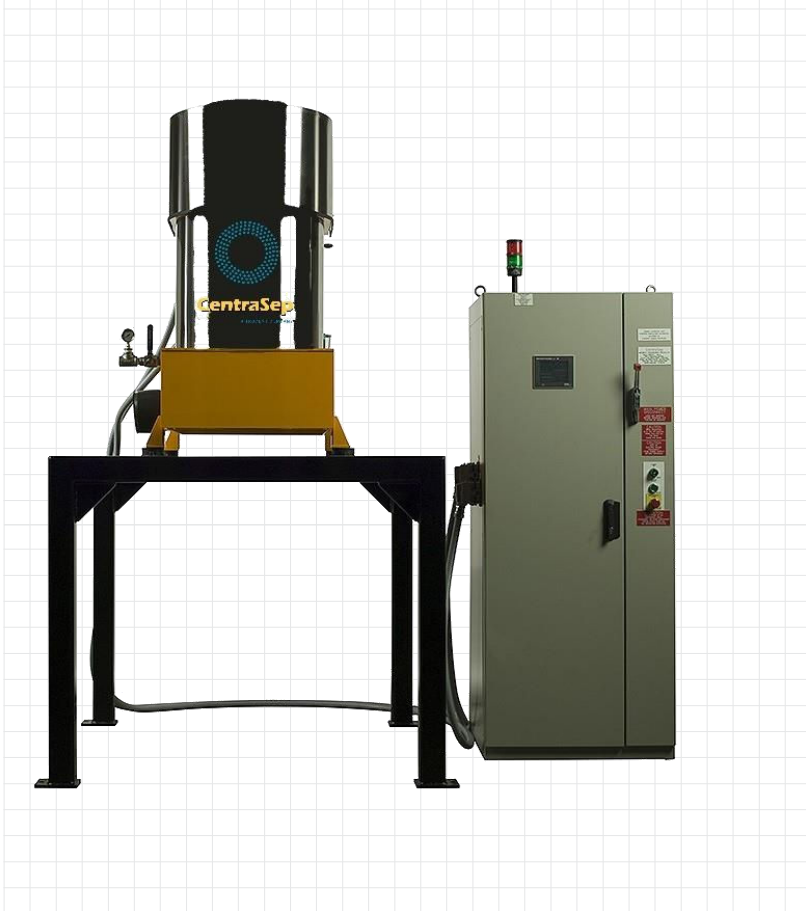


# CentraSep<sup>®</sup> S Series

Clean fluids work better and last longer



## DESIGN AND OPERATING FEATURES

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

## The Reliable, Low Maintenance Centrifuge

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.

## The Liquid-Solid Difference

This is a single-motor, vertical, self-discharging, automatic centrifuge. Its innovative bowl/blade clutch design automatically extracts particulate from liquid at rates ranging from 25 to 135 gallons per minute. Compared to traditional two-speed centrifuges, it removes up to four times the quantity of fines.

## Select the Program that is Right for You

Liquid-Solid Centrifugation is available for purchase, or rental with the Purification Service agreement. With the nation's largest fleet of purification modules, a large service staff and hundreds of years of combined experience in separation technologies, Trucent has unparalleled capabilities and response time. And, with the Purification Service, you will experience the benefits of clean industrial fluids without capital expenditure. Trucent takes care of the machine for you, including all labor and parts, with our rapid response time, free upgrades, and even machine replacement if necessary. You reap the benefits, we'll take care of the rest.

## Industries Served

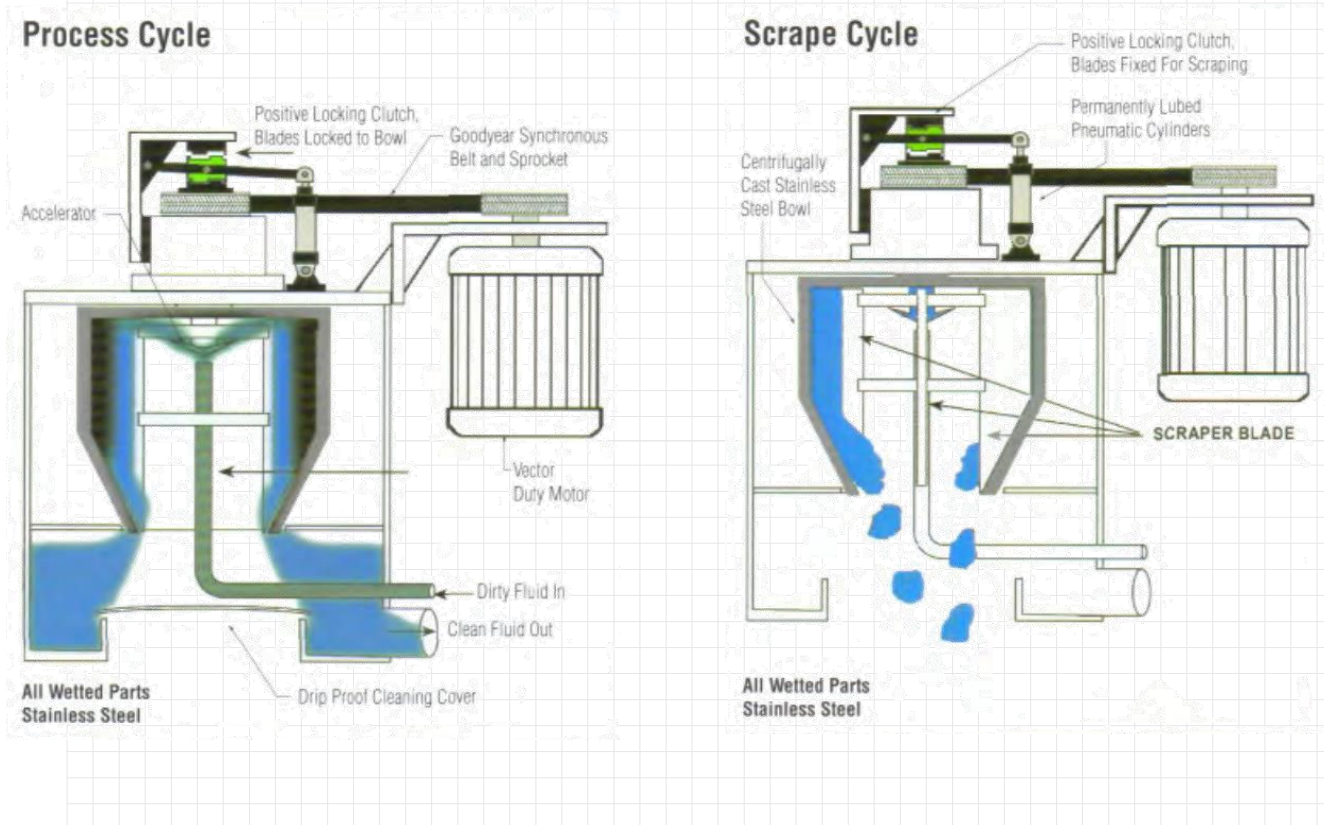
- Metalworking
- Glass and Brittle Materials
- Steel and Aluminum
- Utilities
- Industrial Wastewater
- Wire Drawing

## BENEFITS

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

# CentraSep<sup>®</sup> S Series

## Design and Operating Features



## 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.

### CENTRASEP S SERIES – MODELS AND SPECS

Model	S-126	S-123
Rotor Speed	0 – 3,600 RPM	0 – 3,600 RPM
Gravitational Force	0 - 2,012 G	0 - 2,016 G
Solids Holding Capacity	6.34 Gallons	3 Gallons
Fluid Feed Rate	25 – 135 GPM	10 – 22 GPM
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)