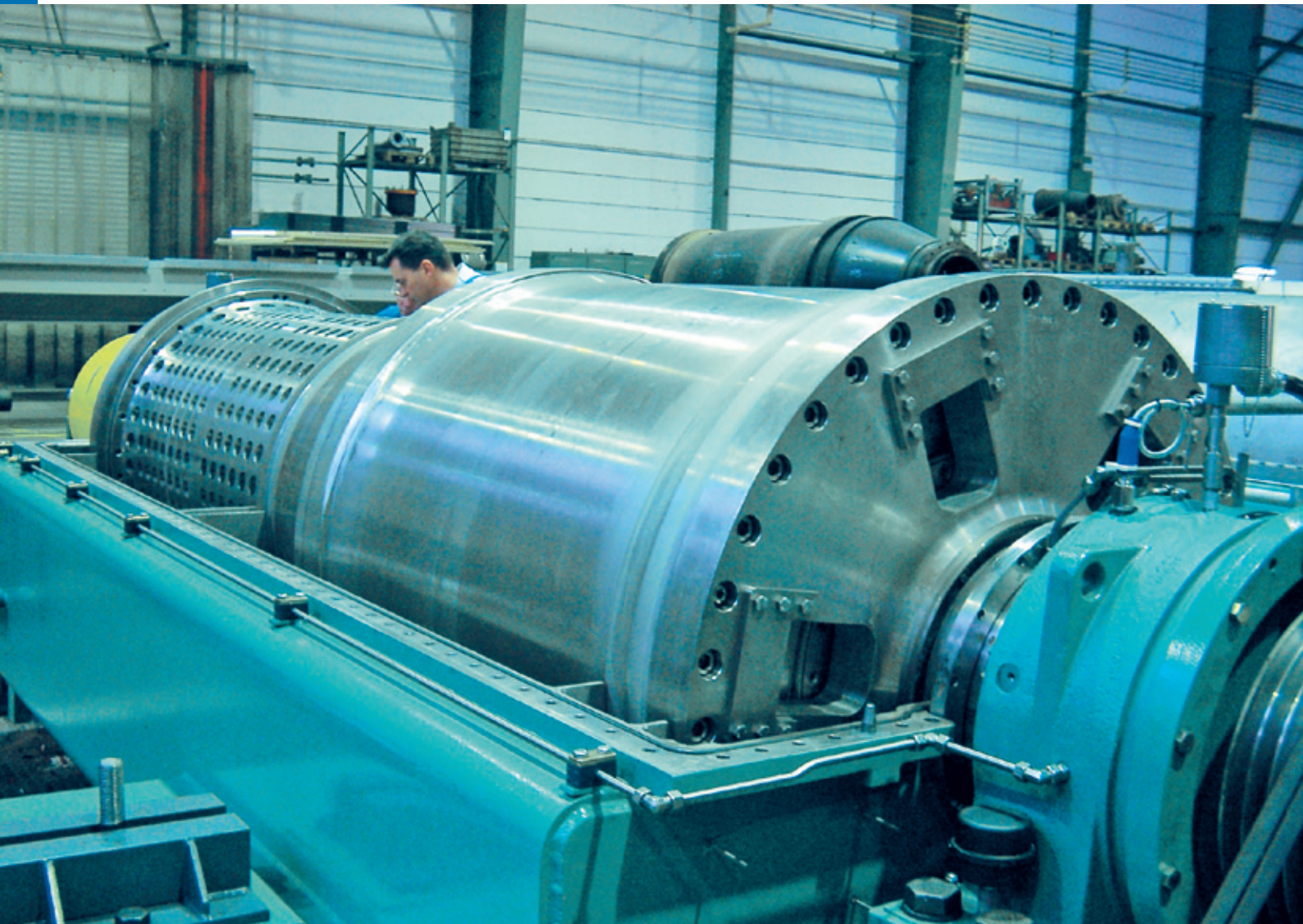


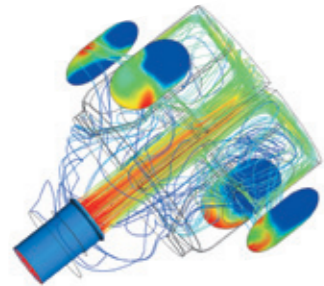
The leading centrifuge for process applications - A-series



The ANDRITZ Decanter – A-series

The optimum process centrifuge for almost any application

With more than 15,000 machines installed, ANDRITZ is one of the leading suppliers of decanter centrifuges. The comprehensive product portfolio also comprises the product range acquired from Humboldt and Bird Machine. ANDRITZ can offer an optimum machine for almost all process applications (A-series) up to 1.4 m diameter. The robust design of the machines allows a service life of several decades.



Optimum feed chamber design for maximum production

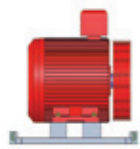


Feed chamber option
Patented accelerator XL Plus

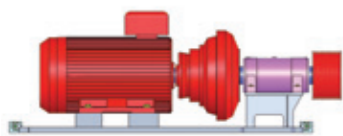
Customized design

Drive

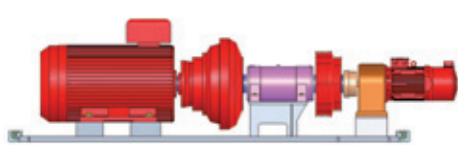
- direct with VFD



- with fluid coupling



- with special drive for CIP



Housing

- atmospheric/ seal up to 0.01 bar



- gas-tight up to 0.5 bar

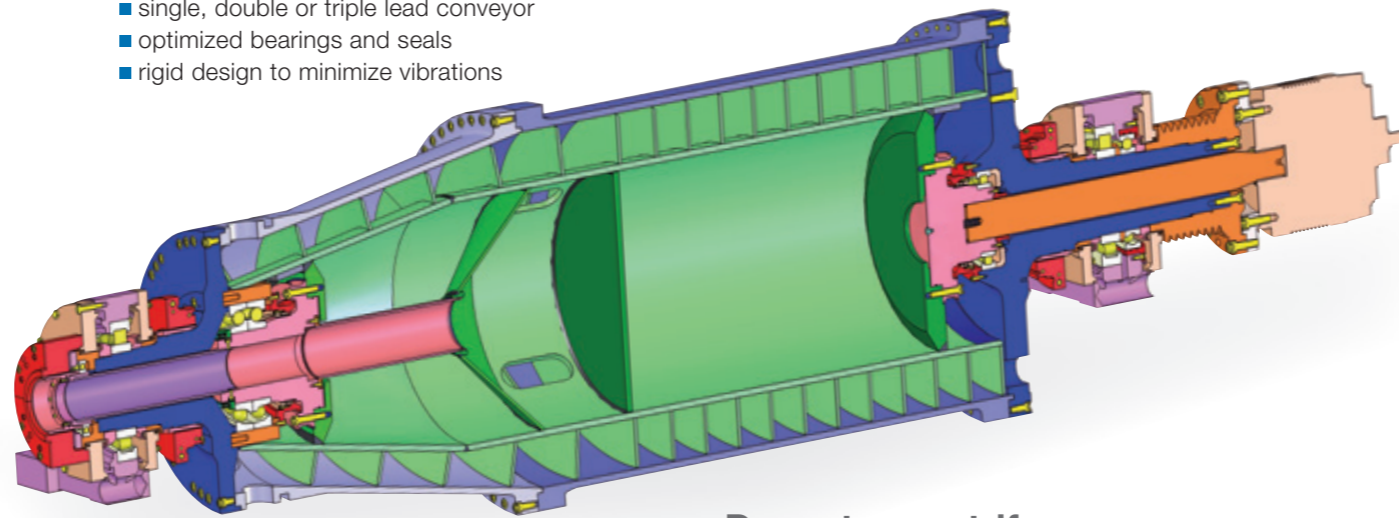


- pressure-tight

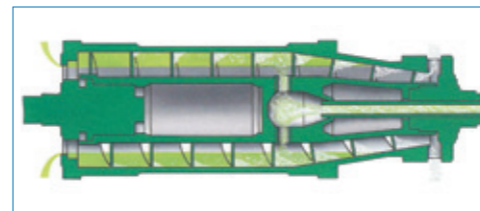


Optimized design

- single, double or triple lead conveyor
- optimized bearings and seals
- rigid design to minimize vibrations

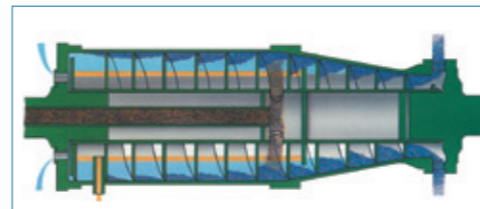


Decanter centrifuges



Solid-bowl decanter centrifuge – Type A

The solid-bowl decanter is the basic, standard machine to separate solid and liquids. Typical applications are all kinds of plastic material (PVC, HDPE, PTA), but also for CaCO₃, kaolin, drilling mud, tunnel drilling, and various residues.

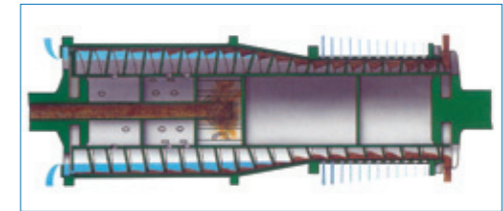


3-phase decanter

This machine is used when not only a solid is to be separated from the liquid, but when the liquid contains two phases of differing densities. Besides treatment of oil and fats, such machines are used to recover oil from tank cleaning operation (slop oil).

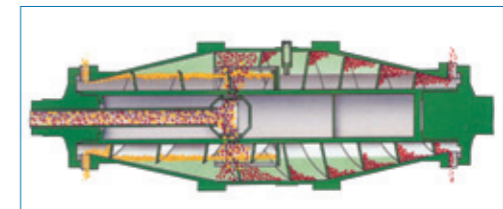
Your benefit

- optimized scroll geometry for numerous applications
- process experience from a large number of reference installations
- in stainless steel, Hastelloy, titanium or nickel
- optimized wear protection for abrasive media
- solid and robust design for demanding operating conditions
- also for gas-tight and pressurized operation
- heavy duty gearbox up to 120,000 Nm
- OEM service available worldwide



Screen-bowl decanter centrifuge – Type AS

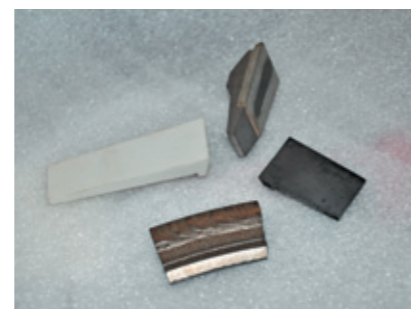
Screen-bowl decanters discharge crystalline solids over the conical section. These are transported along a cylindrical screen section, where the solids are further dewatered – combining the steps of sedimentation and filtration in one machine. Where advantageous, the solids can be washed on the screen. The most common applications are potash, fine coal and BPA.



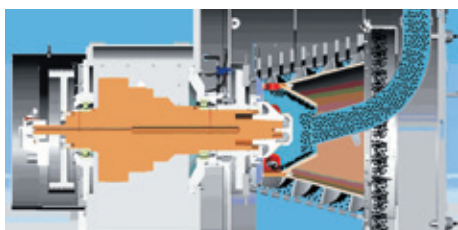
CENSORTM solids-sorting centrifuge – Type AC

The CENSORTM centrifuge is used to selectively separate plastic fractions of differing densities. During the process, the product is washed using a minimal quantity of water. The resulting recycled products are then available for high-quality reuse.

Wear protection



Basket centrifuges



Screen scroll centrifuge – Type AH

The screen scroll centrifuge is used to separate (and possibly wash) medium coarse particles (> 0.2 mm) like salt, coal, and potash. A scroll is used to transport the solids along the screen basket.



Vibrating screen centrifuge – Type AES

The vibrating screen centrifuge is used to separate coarse particles (> 0.5 mm) like salt and coal. The transport of solids is assisted by vibrating the screen basket.

Typical applications

Plastics: PVC, HDPE, PTA, PBA, Melamine

Anorganic chemicals: Potash, salts, gypsum, soda

Ores and minerals: Coal, CaCO₃, kaolin, uranium, copper

Residues: Drilling mud, tunnel drilling, slop oil, tailings

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