

Revitalize your disc filter

Disc filter center shaft grinding



Your value

- + Superior disc filter performance
- + Stable and outstanding filtrate values with lowest possible solids
- + On-site repair of all types, sizes and manufactures
- + Can be combined with water test, bearing wheels exchange or other services

Voith Paper – your reliable service partner

Especially for save-all applications in the approach flow process, optimized disc filter performance is fundamental to recover valuable fibers and maintain filtrate with lowest possible solids.

Ensuring the required vacuum levels, the vacuum valve connected to the center shaft is equipped with a seal. The wear from the sealing surfaces occurring during operation is resulting in a reduction from the required vacuum levels following uncomplete filled segments and a reduction from filtrate quantities. As a consequence, a reduction from production capacity of the entire system is achieved.

In order to restore the performance of the disk filter, an on-site refurbishment service has been developed. This ensures restoring with high accuracy, flatness and geometry from the center shaft sealing surfaces. The worn out areas are restored by welding or metallizing. Afterwards those areas will be grinded flat again with a specifically for this purpose developed machine.

The recovered performance ensures a reduction of downtime, running costs and water usage of your plant. As the condition of the sealing from the center shaft has a major influence on the quality of the filtrate, the timely planning of its service is important.

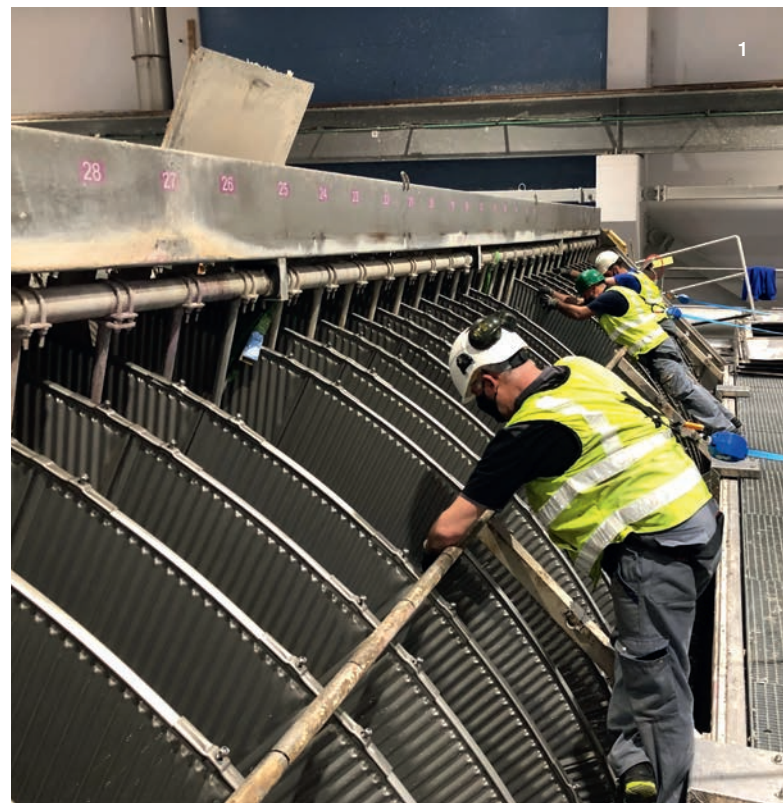
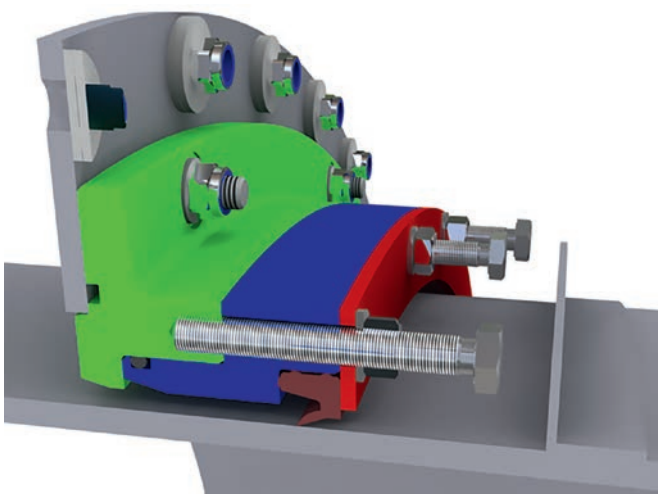
Areas of applications

As a professional maintenance partner, we offer cost-effective solutions for disc filter center shaft refurbishments of all types regardless of the manufacturer.

Advisable combinations

- Center shaft water test
 - Center shaft camber repair
 - Center shaft outside wear repair
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Center shaft seal spacer



Center shaft refurbishments are part of the Voith Paper Servolution service portfolio



Equipment services

Maintenance

- Inspection
- Corrective maintenance
- Preventive maintenance
- Repair & refurbishment



Process services

Expert support / consulting

- Condition monitoring
- Maintenance

Options

We offer the full scope from assessment to on-site repair in combination with bearing wheels and ring exchange and other services if desired. There are many combinations of services, upgrades and performance-enhancing products that complement one another.

To detect leakages within the center shaft, a center shaft water test can be executed. One channel of the center shaft is filled with water from the filtrate valve side. Any leakage will easily be found and repaired.

Due to incorrect operation, cracks in the center shaft could occur. We at Voith Paper have the know-how and experience to execute the repair in the best possible way. The repair and metalizing of the worn center shaft outer surface helps to prevent filtrate water and fiber leakage. In addition, we add a spacer to extend the repair interval.

- 1 Checking the disc filters by our experts.
- 2 Grinding of worn out areas.



Please click on this **link** or scan the QR code to visit our Equipment Service website:



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