

## **Disc Filter Service Box**

On-site disc filter maintenance





## The challenge: Cost-efficient and quick disc filter service

Filtration in a disc filter is continuous. This continuous action wears out the filter bags over time. If the bags are not replaced at regular intervals, filter performance decreases.

The traditional way of changing out filter bags step-by-step (taking a unit out of service, removing the sectors, replacing the bags, and re-assembling the units) was time consuming and not so effective when there was damage to a sector.

The ANDRITZ Disc Filter Service Box is a simple concept. Instead of shipping sectors/bags out for replacement – we come to you! UPM was the first mill to use this on-site service. Since then, many other mills have followed.

## The solution: ANDRITZ Disc Filter Service Box for all disc filter models

The ANDRITZ Disc Filter Service Box comes right to your mill. It is a compact unit and is staffed with ANDRITZ people who can perform on-site repairs and replacements.

All the equipment and tools required for replacing filter bags and repairing damaged sectors is in the Box. All we need at the mill site is a location, water, and

electricity – and we will be there when your shutdown is planned.

This type of service saves you valuable time – and money.

You get professional inspection of your disc filters, renewal of the filter bags, repairs as necessary, and satisfaction knowing that the work results in higher filter performance and safe operations.

### Your benefits

- Quick replacement during regular shutdown
- All filters refreshed at the same time
- Everything done on-site
- Single supplier – sole responsibility and accountability
- Reconditioned, rebuilt disc filter
- Significant increase in equipment performance
- Ensured operational safety

1

Delivery of the ANDRITZ Disc Filter Service Box



2

Disassembly of old disc filter segments. Removal of old filter bag.



3

Steam cleaning of segment



4

Segment repair



5

Installing new filter bag



6

Mounting of seals



7

Mobile shrinking oven



**Our current on-site record:**

**4 filters  
1,260 segments  
50 hours**



Our experienced team is ready to set a maintenance record at your mill. We accept the challenge!



# Engineered service products for disc filters

ANDRITZ is a full-line supplier to the pulp and paper industry. We apply this full range expertise to every project — whether we are assisting you with a simple retrofit or providing complete machine upgrades. This ensures that everything will work together as promised and in the most efficient way. If the disc filter is the bottleneck in your production line, ANDRITZ can help with a huge variety of upgrade products.

## “AirLock” upgrade

For disc filters with trunk nozzle filtrate valves, the “AirLock” upgrade sets the complete filtrate zone under vacuum. High capacity and high filtrate quality are ensured.

## SuperFlow disc filter sectors

The low volume sectors are designed with minimum air contingent and liquid turbulence. They are more efficient than high-volume sectors, in that they support fast drainage and improve the content (and capacity) of the fiber mat.

## High-flow center shaft

The high-flow design has numerous “low-volume” channels which are fluidally optimized. The improvements achieved are a constant vacuum level and a better performance by the entire disc filter.

## TwinWave sector

ANDRITZ developed a maintenance-free sector with increased filtration area. The ANDRITZ TwinWave sector is completely made of stainless steel and because of its special design the filterability is 25% higher than before.



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