

ANDRITZ Pulp & Paper

ANDRITZ Sludge & Reject News



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This ANDRITZ Sludge & Reject Newsletter has the following topics for you:

- New light Reject Compactor [ReCo-L](#) for fibrous, low-consistency material
- ANDRITZ capabilities in [sludge testing](#)
- [ANDRITZ Aqua-Guard](#) – a self-cleaning, continuous channel screen
- Project News: [Norske Skog Halden](#) | [Ji'An Group](#) | [SAICA](#)



▲ ANDRITZ Reject Compactor ReCo-L

New light Reject Compactor for fibrous, low-consistency material

The well-known ANDRITZ Reject Compactor ReCo now has a new little sister in its product family. The correct type of compactor is applied according to your exact needs and the type of material to be dewatered:

- The **ReCo-C** is used for dewatering coarse, light rejects mainly from pulping.
- The **ReCo-F** is very similar, using the same machine frame, but with its different basket design it is tailored for material with a small particle size and a very high fiber content.
- The little sister **ReCo-L** now fills a specific gap – that of fibrous rejects at quite low feed consistency and for smaller capacities. Typical applications are rejects from fine screening or low-consistency cleaners.

The machine is even more compact than its bigger sisters. A slotted basket allows very low feed consistencies without any pre-thickening being required and results in superior filtrate quality.

The ANDRITZ ReCo-L applies a new, innovative back-pressure system: a very simple but efficient spring steel membrane that builds a plug of material and allows efficient compacting, also for materials that are difficult to dewater. The dry content levels achieved are remarkable – at very attractive investment costs compared to the heavy-duty ReCo types C and F.

If you are interested in this new equipment, one machine is installed at the ANDRITZ pilot plant facilities in Graz and can be used for tests with your specific material.

Find out more about [ANDRITZ reject equipment](#).



▲ Sludge testing equipment in the laboratory in Graz, Austria

Sludge testing laboratories

Practical laboratory trials are essential when it comes to finding the most suitable sludge dewatering equipment to meet our customers' requirements. The process data that can be achieved with industrial machines can be determined and forecast by proven design programs, but should be confirmed ideally in sludge dewatering trials.

Back in the 1970ies, ANDRITZ installed a wet lab at its headquarters in Graz, Austria. It is fully equipped to simulate sludge dewatering applications, such as gravity table, thickening drum, continuous pressure filter, and sludge screw press.

In 2013, a laboratory for gravity table and screw press trials went into operation in Foshan, China.

Our sludge testing labs provide the following analyses and simulations:

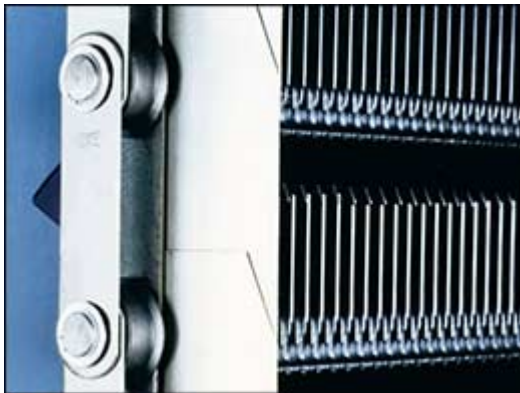
- **Flocculant tests:** to determine the flocculant or combination of flocculants best suited for a specific dewatering method
- **Dewatering trials:** simulation of dewatering equipment to find out the dryness content or the capacity that can be achieved on industrial machines
- **Specific investigations** in vacuum application or washing trials

Read more about our testing capabilities:

[Graz pilot plant and lab](#)

Are you getting the most out of your sludge?

[Contact us.](#)



▲ Aqua-Guard – A self-cleaning continuous channel screen

ANDRITZ Aqua-Guard channel screen

The ANDRITZ Aqua-Guard is a self-cleaning, continuous channel screen typically installed at the inlet to municipal or industrial sewage treatment plants. It can be applied in various sectors, such as the textile or food industry, but also in the pulp and paper industry.

The centerpiece of the Aqua-Guard fine screen is an endless woven belt formed by interconnected, high-strength filter elements which collect all undesirable solid materials. The solids are ejected to a conveyor or container, while the belt cleans itself mechanically.

The Aqua-Guard is well proven as a protection system ahead of the effluent treatment plant, bio-filters, effluent channels, or similar systems in a paper mill. Its capacity depends on the channel dimensions, the selected mesh size, and the solids content in the effluent to be treated. Hydraulic flows of 150 to 20,000 m³/h can be handled by one single unit. The Aqua-Guard can be installed quickly in any type of channel.

With more than 6,000 references worldwide, the Aqua-Guard is the most reliable channel screen you will find.

More information on the [Aqua-Guard channel screen](#).

PROJECT NEWS



▲ **ANDRITZ Gravity Table GT and Sludge Screw Press SCS**

ANDRITZ to deliver new sludge dewatering line to Norske Skog Halden, Norway

ANDRITZ has received an order from Saugbrugs Bioenergi AS – a part of the Norske Skog Group – to supply a new sludge dewatering line for thickening and dewatering of fibrous sludges for its mill in Halden, Norway. The sludge dewatering line is a part of the upgrade to the effluent plant at the Halden mill.

Read the complete [press release](#).

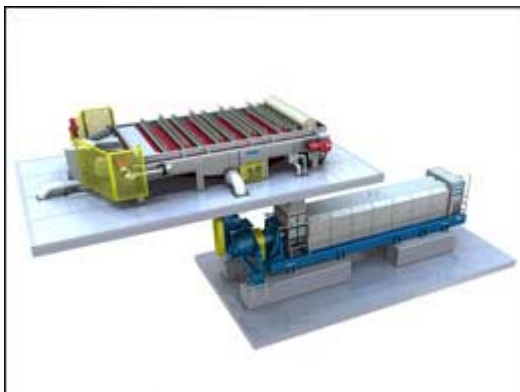


▲ **Four units of the ANDRITZ Reject Compactor ReCo will be delivered to Ji'An Group**

ANDRITZ to supply reject equipment to Ji'An Group, China

ANDRITZ has received an order from Ji'An Group Co. Ltd. to supply a set of reject handling equipment for paper production lines PM11, PM12, and PM13 at its mill in Jiaying City, Zhejiang province, China. This order is part of Ji'An's ongoing activities to upgrade the OCC reject handling lines.

Read the complete [press release](#).



▲ **Schematic diagram of ANDRITZ sludge dewatering line**

Repeat order for sludge dewatering line from SAICA, Spain

ANDRITZ has received an order from S.A. Industrias Celulosa Aragonesa (SAICA) in El Burgo de Ebro, Spain, to supply a gravity table GT and a sludge screw press SCS. SAICA already has two ANDRITZ dewatering lines of the same type and size operating to its full satisfaction. This repeat order confirms the trust that SAICA places in sludge dewatering technology from ANDRITZ.

Read the complete [press release](#).

If you have any questions on ANDRITZ's capabilities in sludge and reject handling, please [contact us](#).

ANDRITZ AG

Stattegger Strasse 18
8045 Graz, Austria
Phone: +43 316 6902-0

www.andritz.com

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