ANDRITZ
Pulp & Paper

Dispersing Systems
Improved Pulp Qualities

Dispersing Systems

Superior performance in a compact design

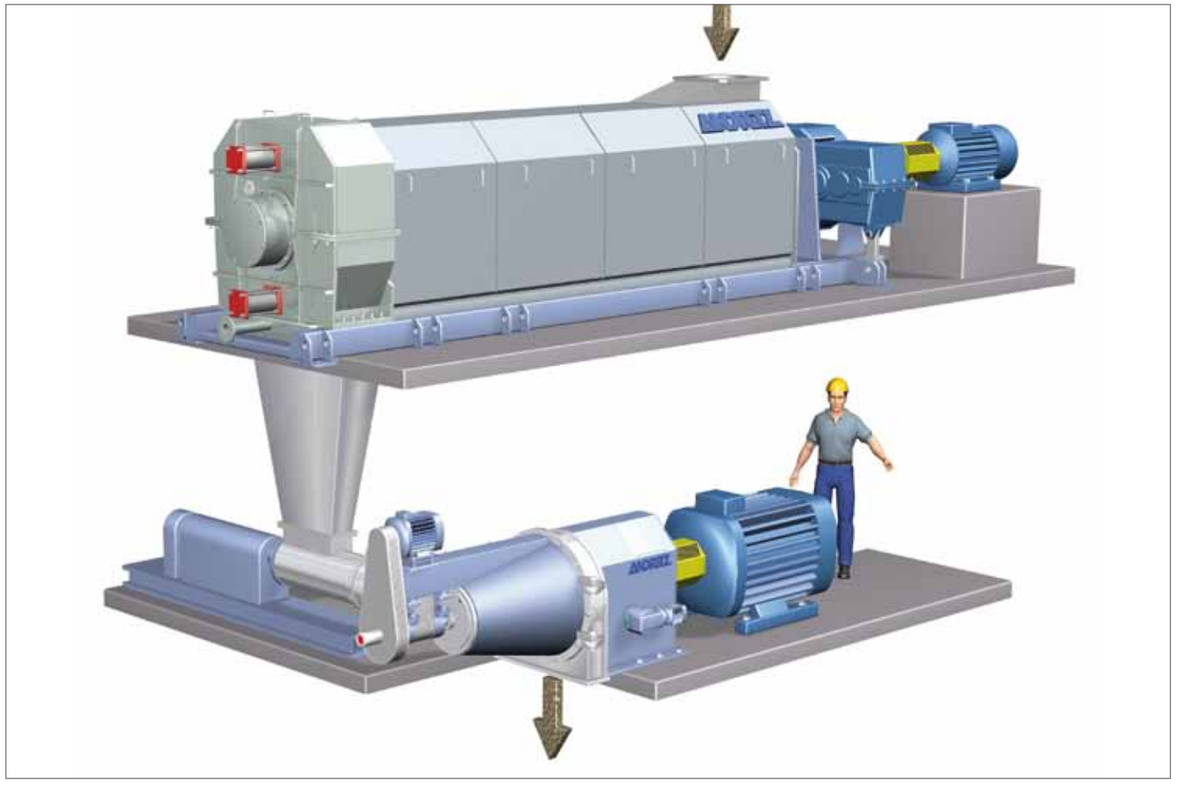
The ANDRITZ dispersing system combines heating and feeding screws in one proven feeding concept. Compared with conventional dispersing systems the ANDRITZ designs minimize space requirements. The reduced number of machine components result in lower service, maintenance and investment costs.

Concept options

Independent from the desired final pulp requirements, the ANDRITZ CompaDis disperser plays a central role in the dispersing system. Maximum dirt speck size reduction is achieved by applying high forces on the dirt speck surface. The compact CompaDis operates at high speed and with narrow, adjustable gaps. Due to the high-intensity shear forces applied, ink particles are detached from the fibers. At the same time, the size of ink and sticky particles is efficiently reduced beyond visibility. The system can be operated pressurized or at ambient pressure.

The selection of dewatering equipment in the system design is based on the mill's requirements. Generally, the ANDRITZ dispersing concepts reduce the number of screw conveyors to a minimum. Investment, operation and maintenance costs can be reduced compared with more rigid system concepts.

The ANDRITZ Pulp Screw Press fulfills the requirements for pulp dewatering in dispersing systems with great success. Utilizing the patented slot-shaped headbox and the high-pressure screens, maximum final dryness is achieved.



Benefits

- **Compact system design**
- **Low energy consumption – high efficiency**
- **Sophisticated plate design**
- **Simple maintenance**
- **Low number of machines required**
- **Pressurized system available**
- **Maximum size reduction of dirt specks and stickies**
- **Chemical and/or thermomechanical destruction of catalases**
- **Hygenization**

Low energy consumption – Energy costs represent a major operating cost. A major advantage of the CompaDis is the low specific energy consumption in order to achieve the optimum dirt speck reduction.

Sophisticated plate design – Utilizing Durametal plate design, the CompaDis is optimized for the best recycled paper treatment without changing fiber characteristics. The CompaDis has a wide opening swing door for easy access to the plates, thus contributing to low downtime.

High efficient bleaching – Due to small flock size chemicals are utilized in most economical way.

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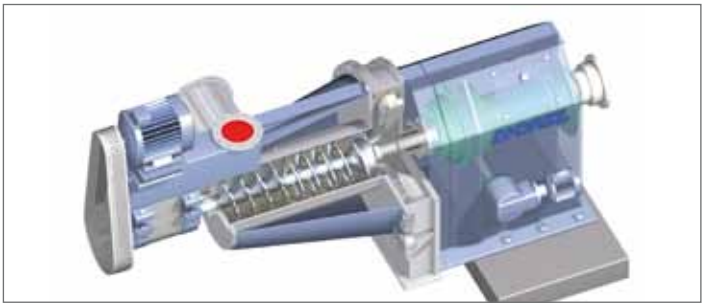
CompaDis Disperser

Operating ranges

Production range	50 - 1200 t/d
Specific energy rates	30 - 120 kWh/t
Operating temperatures	60 - 130°C
Discharge consistency	5 - 30%
All data subject to change.	



The ANDRITZ CompaDis disperser can be utilized for pressurized and non-pressurized applications.

CompaDis	CDI0	CDI1	CDI2	CDI3	CDI4	CDI5
Diameter dispersing zone [mm] / [inch]	560 / 22	700 / 28	800 / 32	1092 / 43	1200 / 47	1610 / 63
Max. installed power [kW] / [HP]	315 / 422	550 / 738	950 / 1274	1650 / 2213	2600 / 3487	3500 / 4693
Length [mm] / [inch]	2530 / 100	2875 / 113	3089 / 122	3860 / 152	4775 / 188	5645 / 222
Width [mm] / [inch]	1100 / 43	1130 / 45	1265 / 50	1800 / 71	2100 / 83	2350 / 93
Height [mm] / [inch]	1300 / 51	1480 / 58	1525 / 60	1970 / 78	2482 / 98	2825 / 111
All data subject to change.						

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