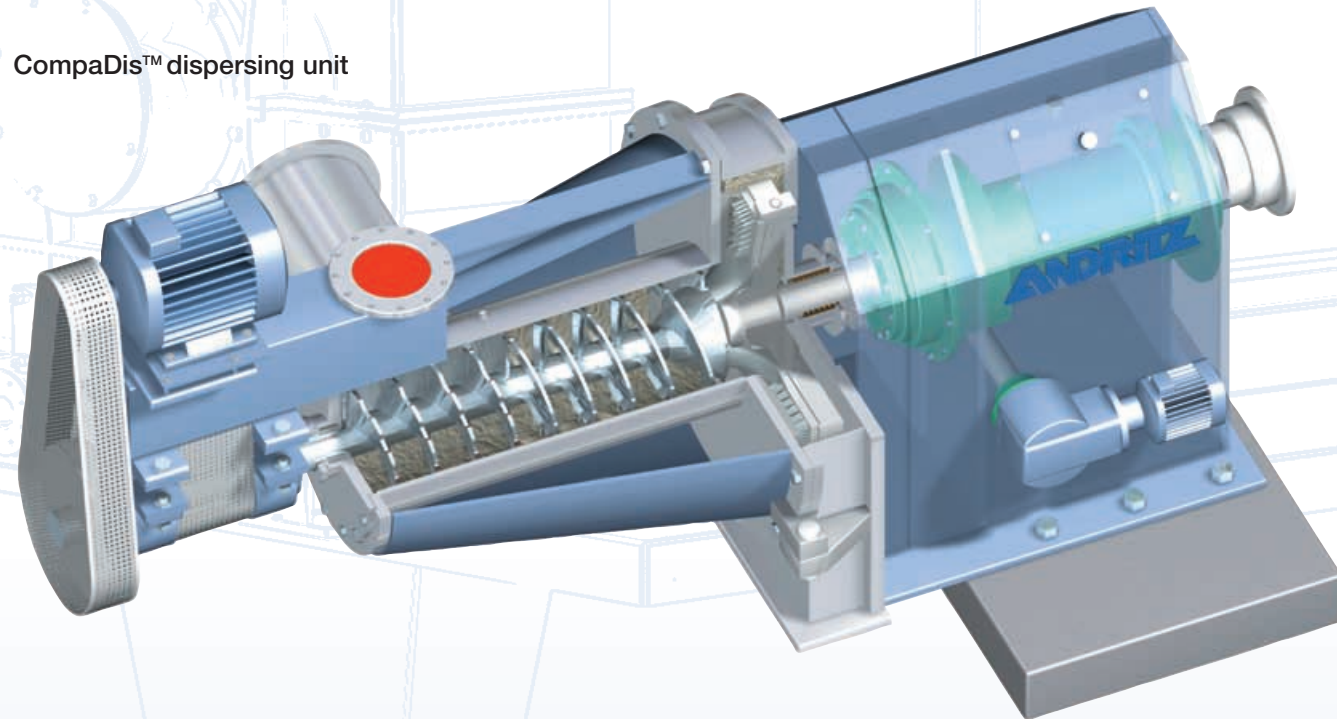


Dispersing Systems

Features

- Maximum size reduction of dirt specks and stickies
- Detaching inks from fibers
- Utilized for mixing of bleaching chemicals
- Chemical and/or thermomechanical destruction of catalases
- Hygenization

CompaDis™ dispersing unit



Operating ranges for both disc disperser and kneader type disperser

	Disperser	Kneader
Production range	50 – 1200 t/d	100 – 400 t/d
Specific energy rates	30 – 120 kWh/t	up to 120 kWh/t
Operating temperatures	60 – 130°C	40 – 95°C
Discharge consistency	5 – 30%	25 – 30%

www.andritz.com fiberprep@andritz.com

ANDRITZ

Andritz AG
Stattegger Strasse 18, A-8045 Graz, Austria
Tel. +43 316 6902-0, Fax +43 316 6902-470

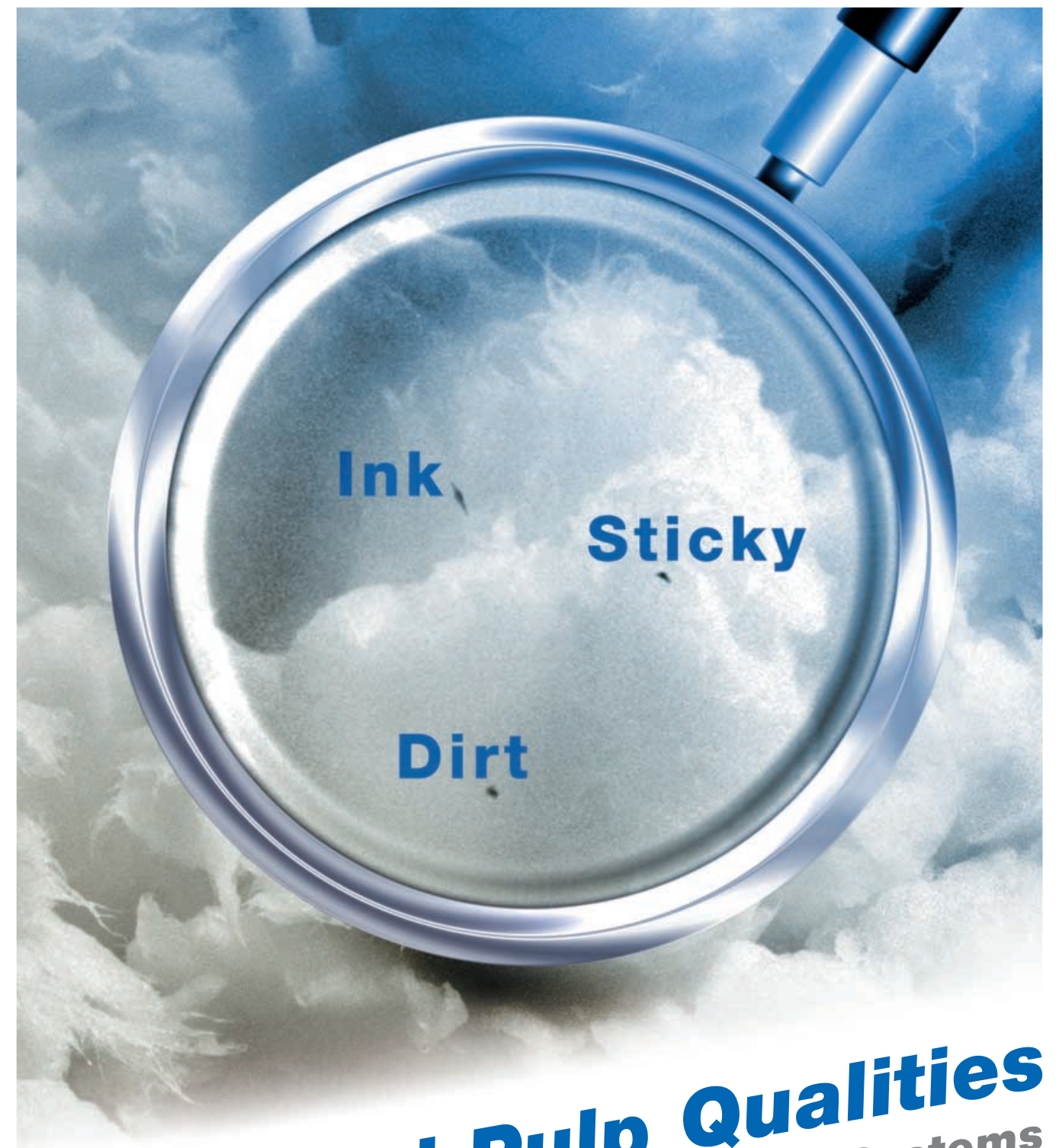
Andritz Oy
Kyminlinnantie 6, FIN-48600 Kotka, Finland
Tel. +358 20 450 5555, Fax +358 20 450 5422

Andritz Inc.
101 Ridge Street, Glens Falls, NY 12801, USA
Tel. +1 518 793 5111, Fax +1 518 745 2858

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Improved Pulp Qualities
Dispersing Systems

FIBER PREPARATION SYSTEMS

ANDRITZ

Dispersing Systems

Superior performance – compact design – low power consumption

Compact system design

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

Concept options

Depending on the desired final pulp requirements, the CompaDis™ or TwinKneader play 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 TwinKneader is an advanced twin rotor kneading machine for high consistency pulp treatment. It displaces ink and contaminants from the fibers so they can be removed by other process equipment.

The selection of dewatering equipment in the system design is based on your mill's requirements. Generally, our 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 **Screw Press** fulfils 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.



The **Twin Wire Press** applies individually loaded nips with optimized geometry for maximum dryness. This is a well-proven and cost-efficient alternative for pulp dewatering in dispersing systems.



The **TwinKneader** is used to process recycled papers, like tissue and board, by reducing the contaminants in size.

The **CompaDis™** can be utilized for pressurized and non-pressurized applications.



Low energy consumption

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

Sophisticated plate design

Utilizing Duramental* 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 down-time.

CompaDis™ gap adjustment

A proven electro-mechanical gap adjustment is utilized in order to control the specific energy input of the CompaDis™.

* Duramental is a company in the Andritz Group.

