

CompaCon conveyor systems

Cost-effective conveying solutions



The challenge: efficient, reliable transport of process materials



ANDRITZ PULP & PAPER is a full-line supplier of production systems for industrial customers who rely upon our technical excellence, reliability, and process knowledge.

ANDRITZ has decades of experience in mechanical design and manufacturing: including expertise in wear, sealing, and materials technologies.

Further ANDRITZ PULP & PAPER has extraordinary knowledge in wear, sealing and material technologies.

“Full-line” to ANDRITZ means not only the main production equipment, but also the sub-systems which feed, meter, pretreat, and transport the stock between processes. That is why ANDRITZ set out to develop a better screw conveyor system to extend

the range of cost-effective and high-performing solutions for our customers.

CompaCon conveyor system. It combines our process expertise and knowledge of equipment design with low-cost manufacturing techniques to deliver the best price-performance conveying package to the industry.

CompaCon conveyors are available in pressurized or atmospheric designs to handle a variety of activities – from normal transport to specialized tasks such as dilution, dewatering, metering, shredding, mixing, cooling, etc.

Industrial applications include pulp and paper, food, environmental, biomass, bulk cargo, and other process applications.

▲ CompaCon conveyors can be applied to a wide variety of applications from normal material transport to specialized tasks.



Key benefits

- **Extremely cost-efficient**
- **Attractive economic payback**
- **High reliability**
- **Well-engineered solutions**
- **Full support – technical, installation and service**
- **Maintenance friendly**

The solution: CompaCon screw conveyors systems



Cost-efficient flow from design to delivery

One major reason ANDRITZ can offer such a cost-effective conveying system is that we have automated the design-to-manufacturing process by developing our own software. Upon receipt of the basic input regarding your process requirements, our software generates design drawings and documentation custom-matched to your application. When the design is confirmed, the software can be directly linked with the computer-driven tools in our workshops. ANDRITZ maintains a global network of workshops to provide you with the most

economical manufacturing with lowest transportation costs.

The result is an efficient process from design to start-up. The hours saved in the design stage result in significant cost savings for you. The ANDRITZ level of automation also extends to the generation of all the project documentation (layout drawings, spare parts lists, operating/maintenance manuals, etc.) for an extremely efficient workflow.

CompaCon products and services

Depending upon the application, CompaCon conveyors are available in atmospheric or pressurized configurations.

- Atmospheric design
 - Normal transport
 - Vertical screw lifts
 - Special conveyor applications (dewatering, dilution, discharge, metering, etc.)
- Pressurized design
 - Chip pre-treatment
 - Custom conveyor designs

In addition to the basic conveying system, ANDRITZ offers services to fully apply and customize the conveyor system for your application. CompaCon conveyors can be integrated into existing lines (for upgrades and modernizations) independent of the original manufacturer. ANDRITZ also offers an exchange program for screws, again independent of the original manufacturer, to improve performance. When called upon, the ANDRITZ experts can assist you in debottlenecking an existing installation and offer recommendations for improvement.

The heart of the conveyor

The conveying screw is the heart of the CompaCon system. ANDRITZ PULP & PAPER has decades of experience in designing the proper screw for any transport application. Computer-aided design tools help our technicians arrive at the correct design (flight, pitch, and other considerations) to ensure reliable, accurate performance. From simple transport (where reliability is paramount), to metering and leveling applications (where the accuracy of the conveyor impacts the quality and load stability of the process), ANDRITZ has the experience to deliver a superior solution.



Typical applications

Pulp and paper production

- Woodyard
- Refiner and digester feeds
- Chip pretreatment
- Deinked/recycle
- Kraft pulping
- Handling of rejects
- Reject and sludge handling

Environmental applications

- Sludge treatment
- Biomass handling
- Special bulk cargo transport



Questionnaire for sizing

Return fax: +43 (1) 815 53 58

Project data	Customer:	<hr/>				
	Production line:	<hr/>				
	Transported material:	<hr/>				
	Throughput	<input type="text"/>	ADMT/d			
	Bulk density	<input type="text"/>	kg/m ³ (BD)			
	Consistency	<input type="text"/>	%			
Layout data	Conveyer type	<input type="checkbox"/> Pipe housing	<input type="checkbox"/> Trough housing			
		<input type="checkbox"/> Other	<hr/>			
	Conveyor function	<input type="checkbox"/> Transport	<input type="checkbox"/> Shredding	<input type="checkbox"/> Levelling	<input type="checkbox"/> Metering	
		<input type="checkbox"/> Dilution	<input type="checkbox"/> Mixing	<input type="checkbox"/> Discharge	<input type="checkbox"/> Cooling	
		<input type="checkbox"/> Other	<hr/>			
	Length CL inlet – CL outlet	<input type="text"/>	mm			
	Length total	<input type="text"/>	mm			
	Conveyor inclination	<input type="text"/>	°			
	Flange inlet	<input type="text"/>	mm	<input type="checkbox"/> Round	<input type="checkbox"/> Square	<input type="checkbox"/> Other
	Flange outlet	<input type="text"/>	mm	<input type="checkbox"/> Round	<input type="checkbox"/> Square	<input type="checkbox"/> Other
Electric data		<input type="checkbox"/> exclude drive from scope				
	Voltage	<input type="text"/>	V			
	Frequency	<input type="text"/>	Hz			
	FC – converter	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
General data	Remarks:	<hr/>				