Are you looking for intralogistics expertise with paper industry experience?
Do you want to learn how AGV technology could reduce your costs?
Would you like to automate your internal transports with availability guarantee?

Rocla AGV solutions for Paper and Board Manufacturing





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Smurfit Kappa

Rocla AGV solutions for Paper and Board Manufacturing

Smart automation, intra-logistics expertise, and full-service support

Optimized transports with a low total cost of ownership

When working in three shifts, expectations for internal logistics availability are high. The transport solution should be scalable, customizable, and able to meet your 24/7 product flow.

Rocla AGV solutions for paper and board manufac-

turing offer a combination of technology, maintenance, and expert skills. We will automate your internal transports and guarantee the AGV system availability. With Rocla, you will always have a real-time view of your AGV fleet and transport orders.

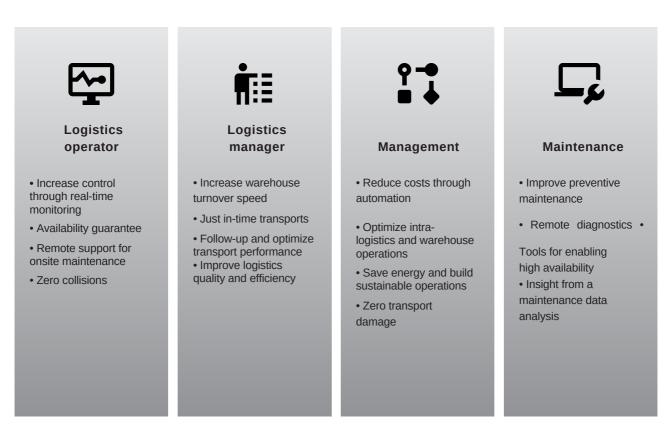
We will design the solution according to your needs, including warehouse layouts, transport capacity, and availability requirements. Our expert team will implement the AGV system without interruptions to your production. We will also train your operators with industry best practices.

Rocla service agreements cover all preventive maintenance needs. You can select a suitable service level from basic support to guaranteed availability.

Our FleetController software suite manages the AGV automation and real-time vehicle monitoring. We can also deliver the warehouse management system and manage the integrations on your behalf.

FleetController software can connect directly with the remote support, allowing cost-efficient remote diagnostics and support for your onsite maintenance.

What are your benefits?



TOROMONT Material Handling

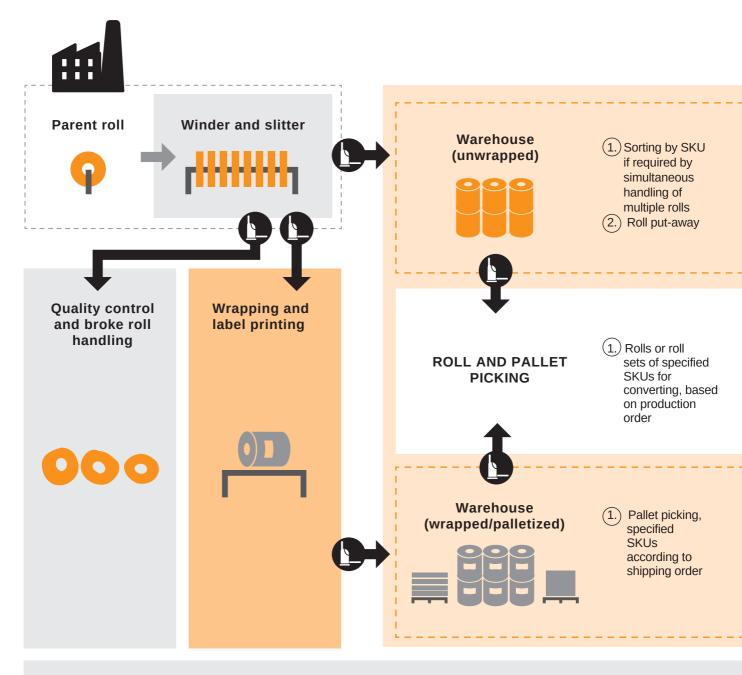


The results-driven mindset with industry experience





Rocla for Paper and Board Manufacturing: Automated



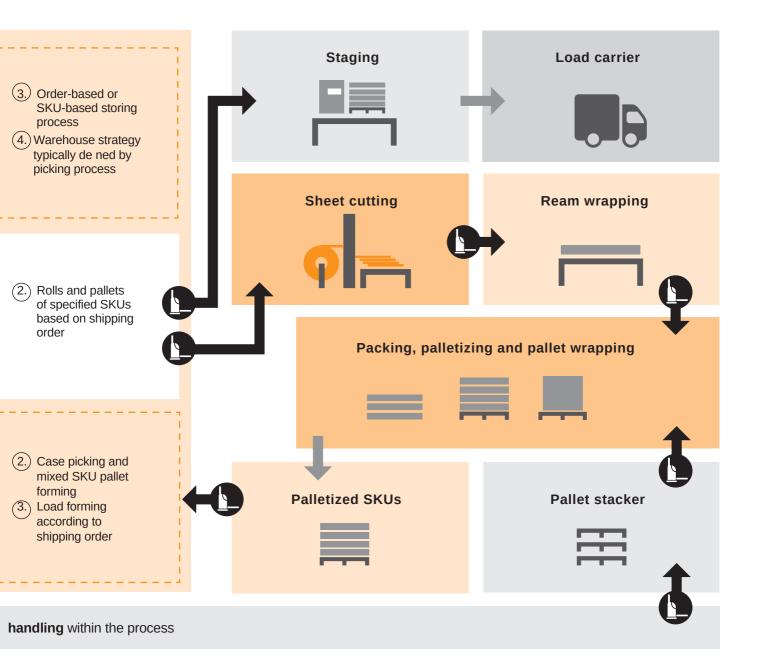
Waste pallet/container



Rocla AGV transports



transports with real-time monitoring







Rocla AGVs with lifecycle services:

Complete solution with full-service maintenance

· Assessment of intralogistic needs and feasibility study SOLUTION DESIGN AND RAMP-UP · Solution for handling and warehousing · Maintenance process, life-cycle and spare part criticality assessments Audit Financial assessment · Warehousing and staging strategy Intralogistics process design · AGV system layout and route design • Vehicle options adjustment • Software integration plan Solution design • Integration to information systems (e.g., Warehouse Management System) · Interfacing with facility equipment • Factory acceptance testing at Rocla · Installation and commissioning onsite Site acceptance test Implementation · Usage-based and scheduled maintenance Software updates eement **Rocla AG** · Spare part logistics with optional consignment inventory Onsite repairs **PRODUCTION** • Training of your logistics personnel Maintenance • Retrofits and upgrades and support • Route and order optimization Rocla fleet-· Increased capacity and automated upkeep routines control · Equipment remote monitoring Monitoring, remote · Service dashboard with real-time operational monitoring diagnostics and data · Maintenance and availability statistics analytics



How can you save with a Rocla AGV solution?

<section-header><section-header> the transformed provide the transformed provide the transformation Avoid increases in personnel cost Deduct automation investment Deduct automation investment Increase the intralogistics speed and capacity Speed up carrier loading by predictive staging </section-header></section-header>	Warehouse turnover speed • Utilize warehouse space efficiently • Save money compared to manual warehouse operations • Reduce the need to take inventory	Energy • Save energy through efficient technology and route optimizing • Environmental savings, such as warehouse lighting
Durability & safety Durability & safety • Typical lifetime of an AGV is 10 years • Extend up to 20 years with controlling electronics upgrade • Zero collisions • Remove transport damage losses	stops Maintenance • Increased AGV uptime • Quick support • Cost-efficient operations • Capital cost-savings	Orbitic State Monitoring and tracking Monitor operations in real-time, recognize incidents immediately Pinpoint process bottlenecks Locate handled goods and trace orders in real-time

Examples of our paper and board manufacturing references

Kabel Premium Pulp & Paper

- Installation handling around a thousand different pallet sizes
- The intermediate warehouse holds 300 500 pallets
- In the mill, 3,000 tons of sheet paper is handled daily
- Key benefits: Cost reductions in maintenance, decreased transportation damages, and high availability

Smurfit Kappa Parenco

- Two paper machines produce graphical and packaging papers 600,000 tons per year
- A fleet of 16 Rocla AGVs, equipped with automated battery exchange system, move up to 4,500 tons of paper daily
- Key benefits: Previous annual transport losses of 100 tons cut to zero, high availability, and constant operations

TOROMONT Material Handling

Sappi Alfeld

- Rolls of paper weighing up to 5 tons are transported using Rocla's AGVs
- History with zero accidents
- Rocla warehouse
 management system
 and interfaces to the roll
 conveyor system and
 the mill execution system
- Key benefits: Safety, stable operations, and reduced fixed costs

Do you want to know more?

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Please visit www.rocla-agv.com for more information.

Contact us, your local dealer in Canada:

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