

INNOVATIVE HANDLING SOLUTIONS TO MEET YOUR REQUIREMENTS



Solving provides a wide range of automated handling systems for customers in the paper industry: AGVs, air film Movers, wheeled and railed handling equipment. The handling systems can be used not only for the handling of cores but also for handling paper reels, tambour rolls and sheet pallets.

Contact our team to create a solution for your specific handling requirements.



Ab Solving Oy
Bennäsvägen 181
FI-68600 Jakobstad
Finland
Tel. +358 6 781 7500
sales@solving.com
www.solving.com

Solving Movers

FOR THE PAPER INDUSTRY



Automated handling of cores



CREATING MOVEMENT

Automated handling of cores

Field of application

When the paper roll has been cut into sheets or processed in production, the AGV automatically picks up the empty core and transports it to waste disposal. A flexible gripping device allows the core to be picked up directly from the floor and placed at a desired height.

Customised automated guided vehicles (AGVs)

The AGVs are customised to suit each customer's specific requirements. The core can be picked up either from the side or the end to suit various production machines and layouts.

Height-adjustable gripping device

Fitted with an adjustable gripping device the AGV can handle cores at different heights. The cores can be picked up either directly from the floor or any desired height.

Energy supply

Fast rechargeable batteries ensure 20 hours of operation/day. When necessary other energy supply concepts can also be chosen.

Safety devices

Compared to manual tucks the AGV is fitted with safety devices that both improve safety for personnel and reduce the risk of damages to products and other equipment.

As well as the normal safety devices (emergency stop, laser scanners, optical and audible signals etc.) the automated guided vehicle can be fitted with bluespot and an additional scanner for hanging loads. The AGV stops automatically when an obstacle is recognized in the drive path.

The AGVs are mostly laser guided, but other navigation methods can also be applied if necessary.

Safety is improved by blue warning lights, so-called bluespots, projecting a blue light beam on the floor ahead of the AGV to warn pedestrians and forklift drivers of its approach.

The cores are picked up with a height-adjustable gripping device.

The AGV drives automatically to the charging station when the battery level becomes critical.

Safety scanners detect any obstacles in the transport route.

Technical data

(examples of installed Solving systems)

Core diameter	75...200 mm
Core width	1.600...2.550 mm
Core weight	...0,6 ton
Lifting height	...2.000 mm

