

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 paper rolls but also for handling of sheet pallets, tambour rolls and cores.

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



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Solving Movers

FOR THE PAPER INDUSTRY

▶ Automated handling of vertical paper rolls



CREATING MOVEMENT

Automated handling of vertical paper rolls

Field of application

The AGV uses a gripping device to pick up vertical paper rolls from a conveyor belt. The AGV transports them to an intermediate depot and then to further processing such as coating or sheet cutting.

Control system

The customised AGV is mostly laser navigated. Other navigation methods can also be applied when necessary.

Adjustable gripping device

Fitted with a gripping device adjustable in height the AGV can handle and stack vertical paper rolls on top of each other. The rolls can be picked up either directly from the floor, or from any desired height.

Energy supply

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

Safety devices

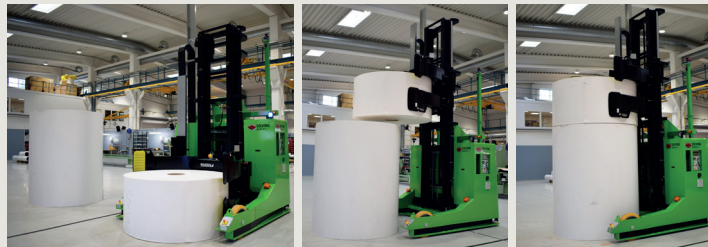
Compared to manual tucks the AGV is fitted with safety devices that both improve safety for personnel and reduce the risk of damages to products and other equipment.

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 AGV lifts the paper roll with a gripping device from and to any desired height.

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

Emergency stops are easily accessible from various positions around the AGV.



Technical data

(examples of installed Solving systems)

Paper roll diameter	...1.800 mm
Paper roll width	max 2.350 mm
Paper roll weight	5 tons
Lifting height	...5.800 mm