

# 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 sheet pallets but also for handling paper reels, 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 sheet pallets



CREATING MOVEMENT

# Automated handling of sheet pallets

## Field of application

The AGV system is used mainly for the handling of sheet pallets between the sheet cutter and the packaging line, and for the handling of empty pallets.

## Customised automated guided vehicles

The AGVs are customised to suit each customer's specific requirements. With counterbalanced AGVs the pallets are lifted directly off the floor or from a conveyor belt, and transported to their final destination.

## Automatic load support

A self-adjusting upper load support holds the sheet stacks in place and thus prevents them from slipping during braking or cornering.

## Adjustable forks

The AGVs are fitted with forks adjustable both in height and width to enable handling of all sizes of pallets.

## Safety devices

Compared to manual trucks the AGV is fitted with safety devices that both improve safety for personnel and reduce the risk of damage 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.

*A self-adjusting upper load support holds the sheet stacks in place to prevent damage during transportation.*

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

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

*Control panel for status and error messages.*

*Safety scanners detect obstacles in the drive path.*



## Technical data

*(examples of installed Solving systems)*

Length of sheet pallet	400...1.600 mm
Width of sheet pallet	400...1.600 mm
Height of sheet pallet	...1.750 mm
Capacity	...1,6 tons
Lifting height	...1.500 mm

