



Equipment for reel handling

M-REAL SWEDEN AB, HUSUM, SWEDEN

H E A V Y L O A D H A N D L I N G



Operation and function

The battery-powered wheeled transporter is designed to move reels weighing up to 55 tonnes from the paper machines and coater to the reel-grinding workshop.

The reels are loaded directly on the transporter by means of an overhead crane.

Construction

The transporter is equipped with a unique suspension system consisting of individual swing axles in an articulated link. This construction ensures that the wheels are always evenly loaded.

The remote control unit allows infinitely variable speed and steering.

S O L V I N G

The Solving design team is continually developing ergonomic and economic material handling solutions based on air bearings, wheels or rails. With the customer's handling and logistics programme in mind, their main objectives are to:

- minimise installation requirements**
- reduce capital expenditure**
- reduce the environmental impact**

M-Real

M-Real Sweden AB (former Modo Paper) is part of the M-Real group (former Metsä-Serla).

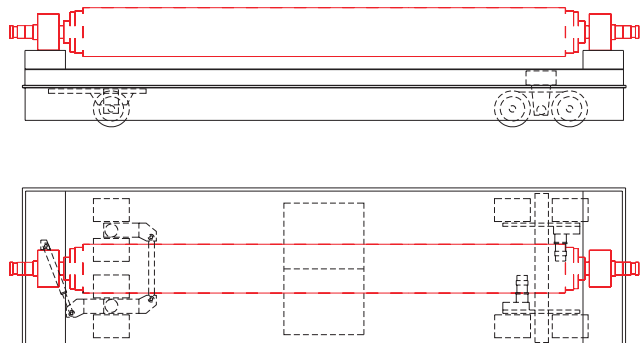
Products: coated and uncoated fine papers, magazine papers with a high degree of added value and packaging boards. M-real is Europe's leading supplier of printing and office papers as well as magazine papers. Within paper merchandising, the company is Europe's third largest player.

Production capacity: M-Real's annual paper and board production capacity is 6.1 million tons.

TRANSPORTER SWT 55 W-2X

Technical data

Capacity:	55 tonnes
Length:	9400 mm
Width:	2500 mm
Height:	900 mm
Drive unit:	2 x SED 500 X
Wheels:	8 x Vulkollan



Advantages

There are several narrow gangways along the route from the paper machines and coater to the reel-grinding workshop, and a couple of floor conveyors to be crossed. It was therefore important to find a solution flexible enough to cope with the complicated layout.

Result

The wheeled transporter minimises the floor loading and enables movement across the floor conveyors. The Solving unit is controlled by a portable radio transmitter, which allows the operator to move freely around the transporter to supervise the careful manoeuvring. The remote control also ensures exact positioning of the reel in the restricted space available.



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