



Jonas & Redmann

„SMART STORAGE“
AUTOMATION CARRIER

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High end fablogistics are made possible with an automation-carrier that guards wafers during transportation processes and can be tracked at all times via transponder chips.



AUTOMATION CARRIER

The Jonas & Redmann Automation Carrier was explicitly developed for the specific transportation needs in solar cell manufacturing. Ridges in the sideframes hold wafers in a defined separation distance. A protective mechanism prevents wafers from falling out thus enabling an upright transport of the carrier. On the backside wafers are cushioned by a rubber strip which prevents wafer breakage on the back edge.

The Jonas & Redmann Automation Carrier is utilized for wafer transport along the cell production line. It serves for loading and unloading purposes in inline as well as in batch processing. In between single process steps with varying throughput rates the carrier can also fulfil buffer functions. As part of intelligent fablogistic systems the Jonas & Redmann Automation Carrier is furnished with transponder chips. Thus latest tracking technologies can be applied.

TECHNICAL DATA

capacity 100 wafers
wafer sizes 125 × 125, 156 × 156, other sizes on request
suitable for wafer thickness 130 to 300 µm
materials: aluminium hardcoated, POM, rubber
tare weight 5 kg

FEATURES

protective mechanism retains wafers in the carrier
suitable for all transportation tasks
transponder chips in both head plates
reduces wafer breakage risk
can be integrated into handling systems
and transportation lines

Technical data are not binding. Changes reserved.