

MRAT

medium-heavy load
90° diverter

**Compact diverter module
for loads up to 250kg**



A 24VDC POWER
MOLLER **SOLUTION**



The MRAT lateral diverter is designed to **smoothly divert unit loads up to 250kg**. With its compact cassette design, it can be **integrated in any type of new or repurposed conveyor frame**, with up to 3 exits.

Fully powered with **24Vdc without any pneumatics** to drastically simplify integration into a safe conveyor application and increase reliability while limiting needs for maintenance.



24Vdc powered without pneumatics

FACILITATE INTEGRATION AND RELIABILITY WITH LIMITED MAINTENANCE REQUIREMENTS

Full 24Vdc powered, without pneumatics:

- Low energy consumption.
- Easy to install and operate.



Divert loads up to 250kg

Smooth diverting of heavy products and out of range items in assembly lines and logistic processes.



Operates in low temperature up to -30°C^*

*depending on conveyed load specification (type, weight...), please consult us.





Multidirectional Flat Transfer

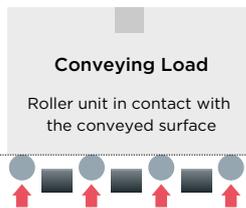
TRANSFER WITHOUT CHANGING LEVELS

Smooth & secure transfer:
no lifting and no vibrations.
Fragile loads are safely transferred.

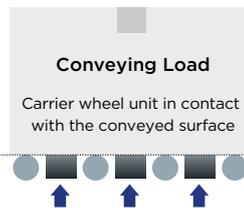
Up to 4 reversible entries and exits,
with the possibility of quick reassignments.
It is possible to combine several MRATs
for advanced sorting or sequencing systems.

SEQUENCE 1 - Receiving product (straight transfer)

Roller unit is conveying

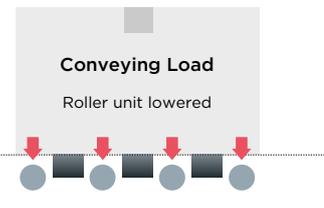


SEQUENCE 2 - Direction change



SEQUENCE 3 - Right Angle Transfer

Right Angle Transfer by Carrier wheel unit



Compact design

Simple integration into any type of new or repurposed conveyor, even in multi-level layout.

- Easy integration into all conveyor frames.
- Available in 4 sizes.



User safety

MRAT has been designed to facilitate a **CE compliant** installation of the conveyor.

With spacing between moving parts on the surface lower than 5mm and with safe 24VDC power, it drastically reduces risks of injury for the operators.





Easy maintenance



- Durable structure, with full metal rollers and enduring PU wheels.
- Quick replacement of key components with wheel caster cassettes, rollers and belts.

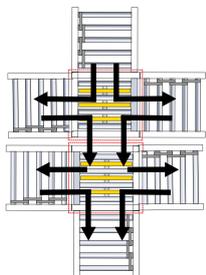
▶ Intelligent controls

On top of conventional usage with a PLC and simple driver card, we provide the possibility to control the MRAT by Profinet and Ethernet/IP.

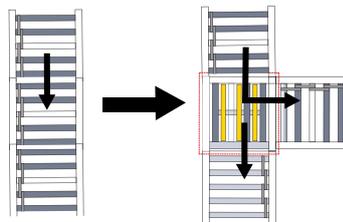


▶ Applications

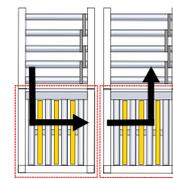
The MRAT can be used in a great variety of applications and industries.



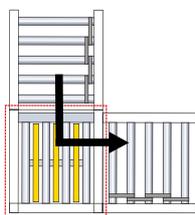
Buffer management



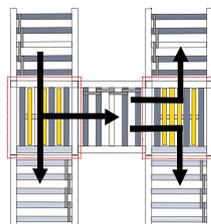
Renovation / Modification



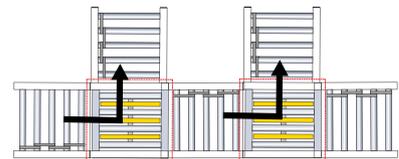
180° transfer



90° transfer



Free flow



Sorting

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