

## Diverter centric sortation systems

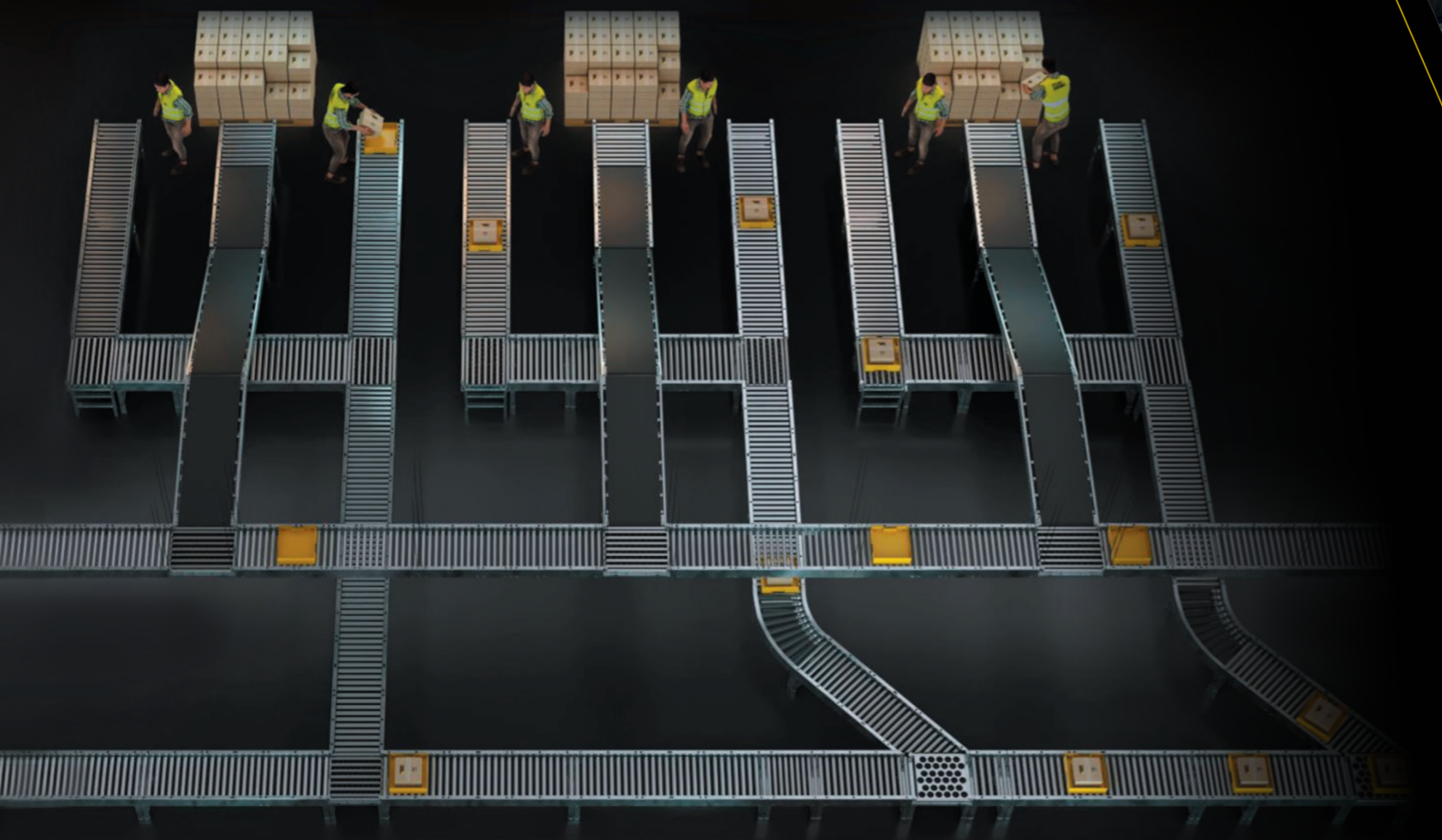
Thanks to their excellent performance, versatility and flexibility, Itoh Denki diverters are used to design advanced automated sortation lines.

Optimal performance and cost efficiency can be achieved by combining MABS diverters, used at the heaviest traffic points of the line, with F-RAT-NX75 90° diverters.

# MABS

Multi Angle Ball Sorter

**30° - 45° - 90° diverts**  
for high throughput  
sortation



A 24VDC POWER  
MOLLER **SOLUTION**

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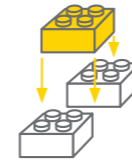
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The MABS offers smooth diverts and **high throughputs**, for a large range of applications, with all the advantages of the POWER MOLLER 24VDC motor driven roller technology. With left and right configurable exits, it can **sort products at 30°, 45° or 90° and up to 4300 products/hour.**

Entirely driven by 24VDC motors, the MABS doesn't use any pneumatic system to operate, offering **easy and cost-efficient** integration and maintenance.



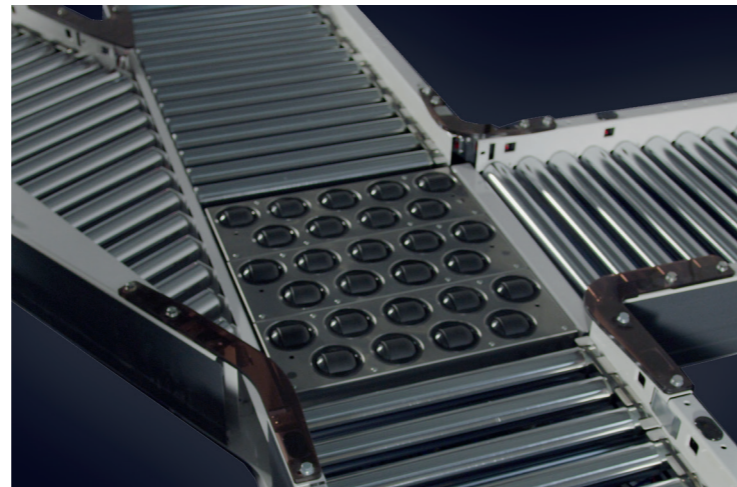
## Flexible and Compact design

- Fits into all conveyor frames with 5 different standard module lengths.
- Perfect for overhead and multilayer conveyor lines, with only 175mm height.
- Combine several MABS units to convey products of all sizes, starting from 100 x 150 mm and weighing up to 30kg.
- Easy commissioning with pneumatics-free, 24VDC system.



## Multi angle sortation

All in one diverter, for left and right sorting at 30°, 45° or 90°.



## Safe for the operators

- 24VDC power reduces electric hazard. Protected surfaces of the module prevent injuries and allow operators and technicians to work in close contact with the conveyor.
- Easy integration into safe work stations.



## High Throughput



- **Up to 4300 transfers / hour for a single MABS zone\*.**  
\*30° exit at 50% transfer rate.
- Non-stop transfer sequence. Driving wheels anticipate the direction of the next parcel for a continuous transfer flow.
- Prevent bottlenecks at the heaviest traffic points on the line.



## Applications

Boost sortation efficiency in a large range of applications with the MABS: sorting lines, picking lines, conveyor merge points...

