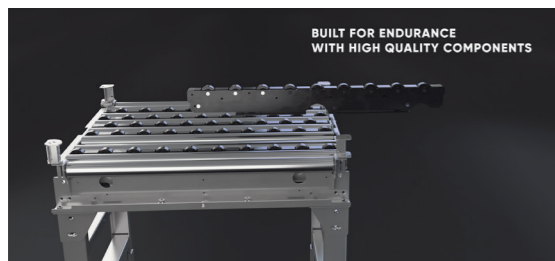




Easy maintenance



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

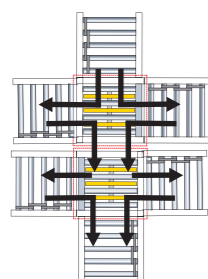
▶ Intelligent controls

On top of conventional usage with a PLC and simple driver card, we provide the possibility to control the F-RAT-NX75 by Profinet and Ethernet/IP.

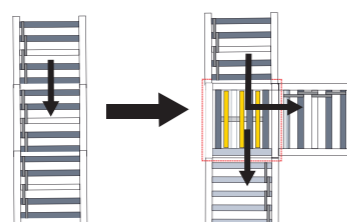


▶ Applications

The F-RAT-NX75 can be used in a great variety of applications and industries.



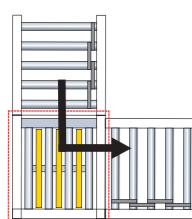
Buffer management



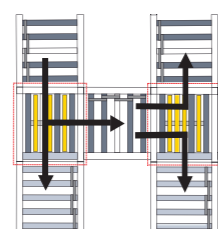
Renovation / Modification



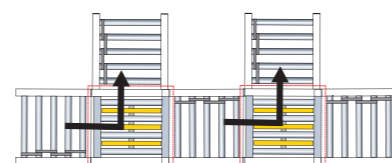
180° transfer



90° transfer



Free flow



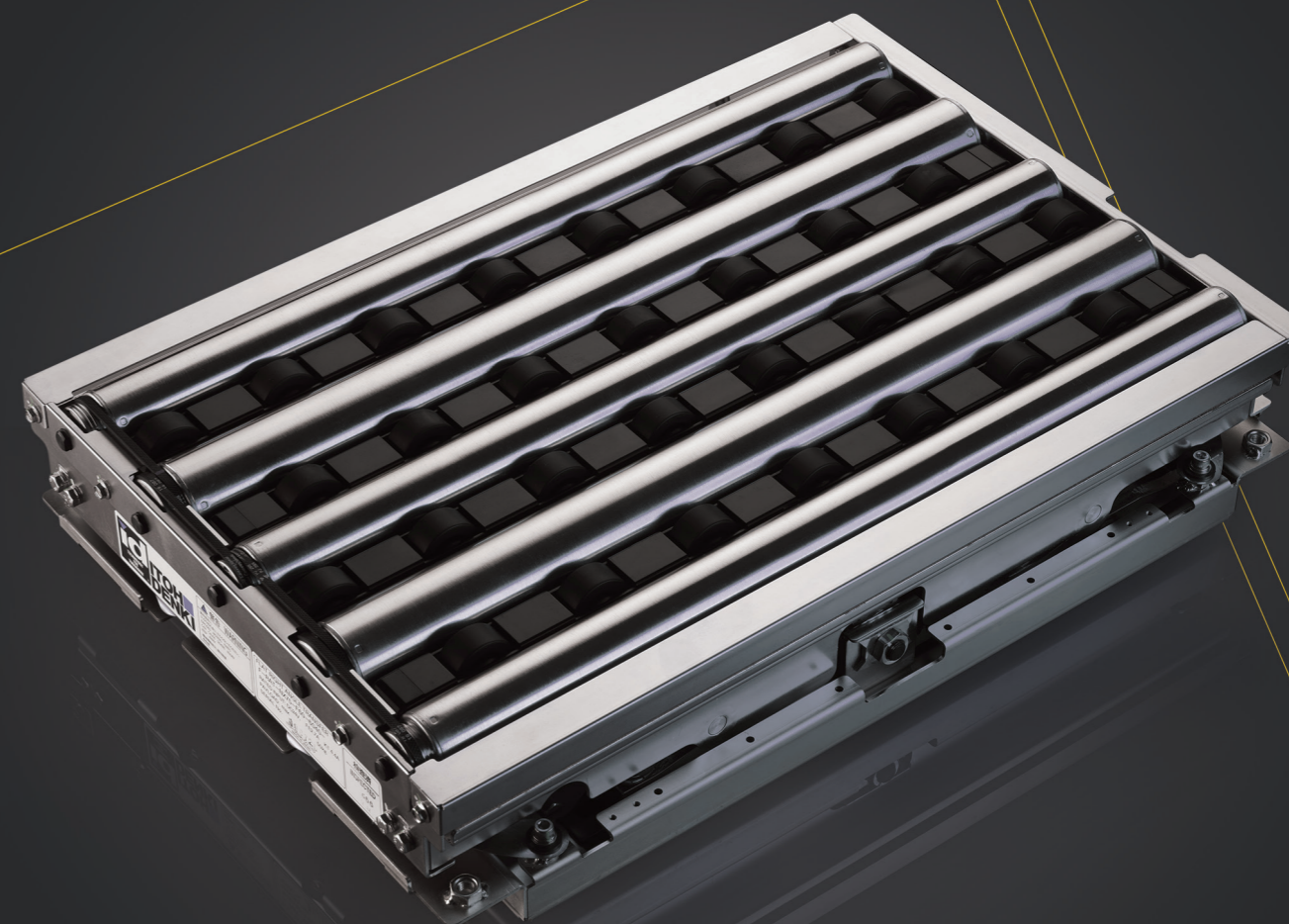
Sorting



F-RAT-NX75

90° Multidirectional Flat Transfer

High performance module
for smooth and fast sortation
on your conveyor lines



A 24VDC POWER
MOLLER **SOLUTION**

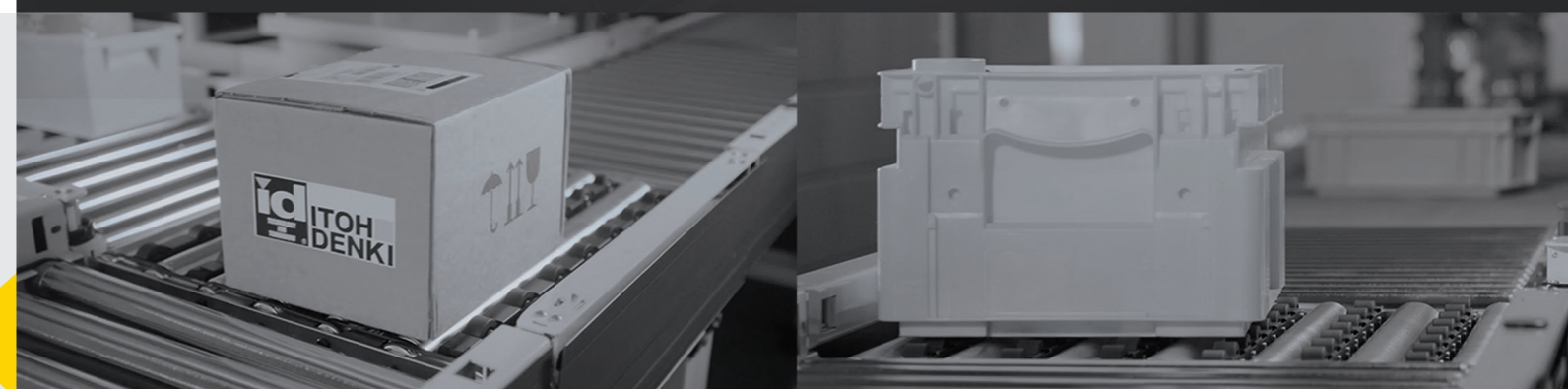
ITOHDENKI

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Japan

Tel : +81 (0)790 47 0955 - E-mail : global@itohdenki.co.jp

www.itohdenki.co.jp



With the **new F-RAT-NX75**, ITOH DENKI introduces a **high performance Right Angle Transfer Unit**, allowing high throughput flawless 90° transfers. Entirely powered by 24VDC brushless motors, providing **high safety standard and low maintenance**.

A groundbreaking patented flat transfer technology for advanced automation and IoT within your conveyor systems.



Convey a great variety of loads



Thanks to its exclusive caster wheel and roller driving, the F-RAT-NX75 can transfer loads of various **sizes and types**, from plastic envelopes to large boxes up to 50kg.



It is therefore the ideal solution for automated high-speed sortation of mixed loads.



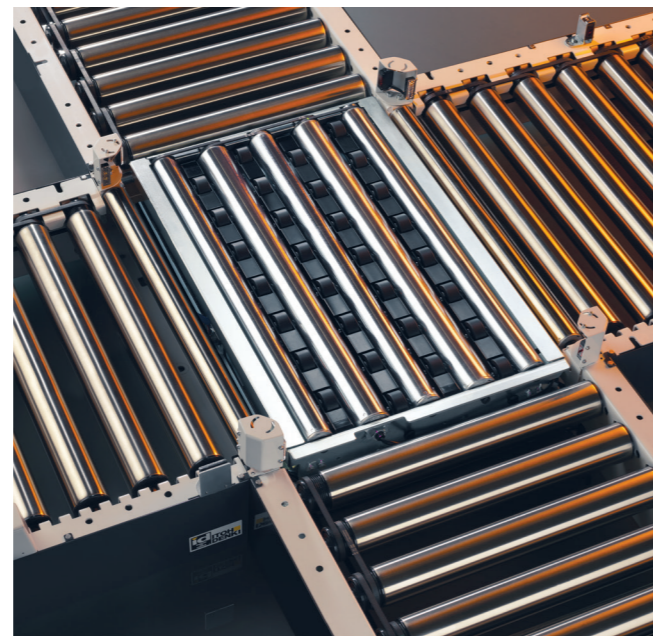
Multidirectional Flat Transfer

TRANSFER WITHOUT CHANGING LEVELS



Transferring without changing levels optimizes time and therefore increases productivity. Our technology allows:

- 1 Smooth & secure transfer:** no lifting and no vibrations. Fragile loads are safely transferred.
- 2 High throughput:** Boost your sorting efficiency with a transfer rate of up to 2,250 totes handled per hour (at a 50% transfer rate).
- 3 Up to 4 reversible entries and exits,** with the possibility of quick reassignments. It is possible to combine several F-RATs for advanced sorting or sequencing systems.



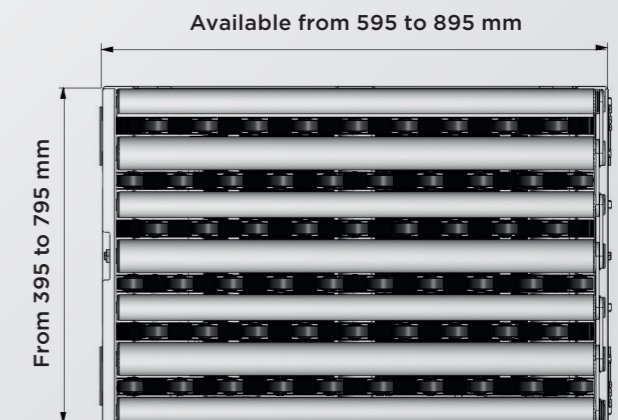
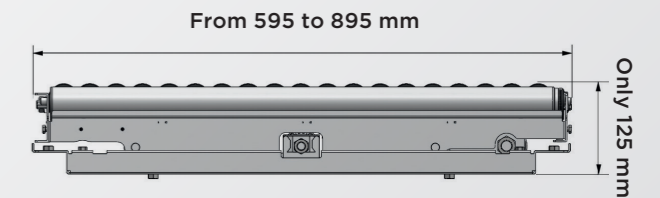
Smart design

Very compact design

- Easy integration into all conveyor frames.
- Large range of standard sizes.
- Full 24VDC powered, without pneumatics:
 - Low energy consumption.
 - Easy to install and operate.



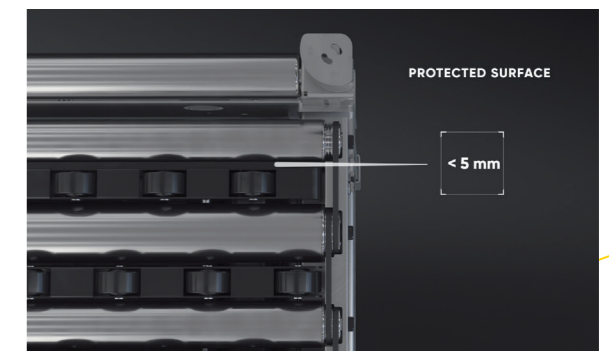
OVER 15 STANDARD SIZES



User safety

F-RAT-NX75 has been designed to facilitate a **CE compliant** installation of the conveyor.

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

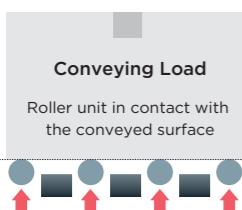


SEQUENCE 1 - Receiving product (straight transfer)

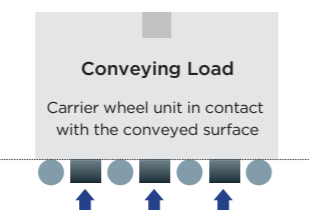
SEQUENCE 2 - Direction change

SEQUENCE 3 - Right Angle Transfer

Roller unit is conveying



Right Angle Transfer by Carrier wheel unit



Right Angle Transfer by Carrier wheel unit

