Specifications





Flat-Right Angle Transfer Module



Evolution - Advanced and sophisticated design Solution to labor shortage issues.



1146-4 Asazuma-cho, Kasai, Hyogo 679-0105 Japan Itoh Denki Co., Ltd. Tel:+81 790 47 0955 Fax: +81 790 47 1325

Europe, Middle East & Africa		
Itoh Denki Europe SAS	490, avenue des Jourdies, ZAE des Jourdies BP 323, 74807 St Pierre en Faucigny CEDEX, France Tel: +33 4 50 03 09 99 Fax: +33 4 50 03 07 60	
UK office	Tel: +44 19 24 36 65 39 Fax:+33 4 50 03 07 60	
Germany office	Tel: +49 911 25 26 200 Fax:+49 911 25 26 201	

Tel: +81 790 47 1225 (rep) Fax: +81 790 47 1328 Email: info@itohdenki.co.jp

North & South America	
Itoh Denki U.S.A., INC.	2 Great Valley Blvd, Wilkes-Barre PA18706-5332 U.S.A Tel: +1 570 820 8811 Fax: +1 570 820 8838
China	IG. +1 370 020 0011 1 ax. +1 370 020 0030
Itoh Denki Shanghai Co., L	No.689, room 1812, No.689 Guangdong Rd, Shanghai P.R.200001, China
Asia	Tel: +86 21 6341 0181 Fax: +86 21 6341 0180
Itoh Denki Asia Limited	Unit F.22nd floor, No.8 Hart Avenue, Tsim Sha Tsui Kowloon, Hong Kong Tel: +852 2427 2576 Fax: +852 2427 2203

The content of this page is subject to change without notice.







2-01K - 1903

No.M80



New Module

Module



NX series

Highest performance Right Angle Transfer Unit in the industry with high safety standard and low-maintenance.



What is Neo-CrossOver?

Concept of New-CrossOver is automation and IoT within conveyor systems; Automation is increasingly imperative to cope with labor shortage in recent years. F-RAT Neo-CrossOver is ground-breaking module accomplishing automated sortation with less engineering efforts. Innovative technology from ITOH DENKI achieving human-machine collaboration in harmony.



No air compressor required.

100% Electric Power

Operated

System development with software and hardware paired id-PAC makes conveyor system consisting IoT.

to operate

Designing conveyor system becomes easy as connecting the units. Proprietary controller reduces programming efforts.

Energy saving

Run-on-demand operation, drives motor only when product needs to be moved.

Safety considerations Designed to prevent accident such as finger caught.





Case Study: F-RAT Application

NG product sorting with weigher Combining F-RAT with weigher for passed failed product sorting by weight. Product with failing weight



Product with passing weight

Multi-layer conveyor line optimizes spaces

 Allows multi-layer conveyor design with minimal footprint.

 No pneumatic allows easy and compact design



IoT Ready - F-RAT-NX75

F-RAT-NX75 is applicable to id-PAC. id-PAC is the MDR based conveyor system and its configuration tool developed by ITOH DENKI with matching software and hardware. Having embedded logic, each conveyor module is independent and autonomous. Conveyor configuration can easily be done simply by connecting end to end of modules, and by providing navigation information software through network communication.

id-PAC technology significantly reduces design time and overall cost including the installation. Layout change and expansion can be accomplished easily with Plug and Plav basis

In addition, network connectivity allows users to monitor vital signs of conveyor system and MDR life hours to allow scheduled predictive maintenance work to minimize the down time.



POWER MOLLER

Ground-breaking solution for manufacturing and intralogistics automation. **F-RAT Solution**

Packaging assembly

 Maximizing the usage of each machine to build efficient packaging line





lication for high speed sorting system

- Achieves high speed sorting with rolle conveyors.
- Achieves complex sorting by product, destination, etc.





IoT technology from ITOH DENKI

No more unpredictable sudden stop of operation.

ITOH DENKI's unique original technology enables "predictive maintenance".



Remote maintenance in addition to remote diagnosis analyzing failure causes is achieved through internet communication

