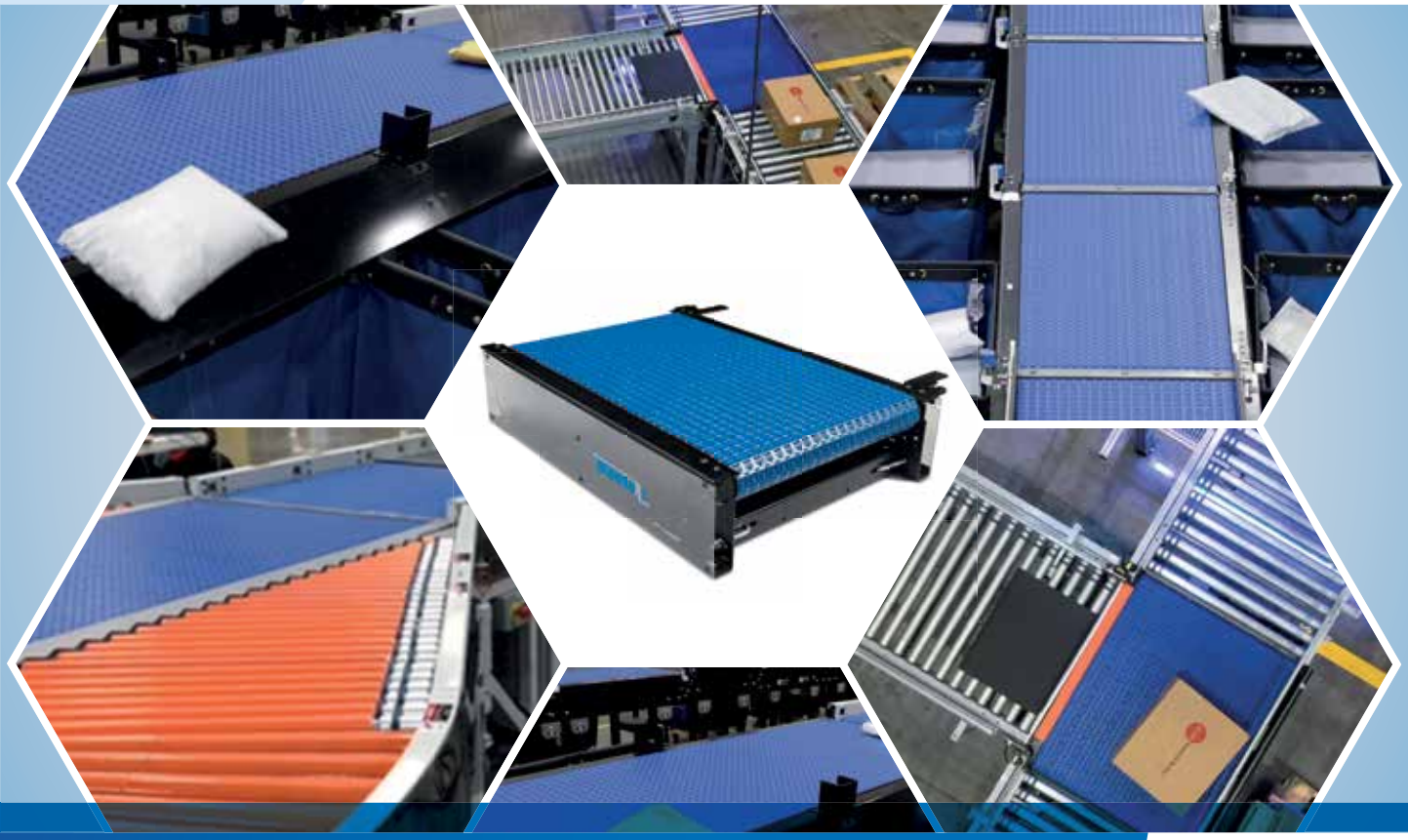
MODSORT®



MODSORT® TRANSFER AND DIVERT MODULE



PATENTED. *For more information visit www.modsort.com*

RegalRexnord™

What if...

You could have unlimited motion control in a simple modular package?

MODSORT®

MODSORT® MODULE FEATURES AND BENEFITS

- Can be easily integrated into existing traditional or motorized roller conveyor systems
- Ability to transfer a wide array of products
- Mechanical lift unneeded (only two means of motion required)
- Run smaller packages without "gaps" associated with pop-up transfer modules
- Ideal for handling polybags and smaller packages
- Utilizes unique System Plast® 2253 Roller Top belt technology
- Zero contact, zero pressure accumulation
- Run-on-demand technology
- Low noise and low voltage (24VDC, no conduit required)
- Energy savings as high as 50%-60% compared to traditional conveyors
- Easy maintenance through minimum spare parts requirements
- High resolution package control



THE 2253RT ROLLER TOP BELT-BASED TRANSFER MARRIES EXISTING TECHNOLOGY

SYSTEM PLAST® 2253RT ROLLER TOP BELT

- Unique ability to transfer and divert packages based on the spheres' vector speed and direction
- 1" sphere centers allow for very small packages to be diverted (100 x 100 mm possible)

MOTORIZED DRIVE ROLLER AND CONTROLS

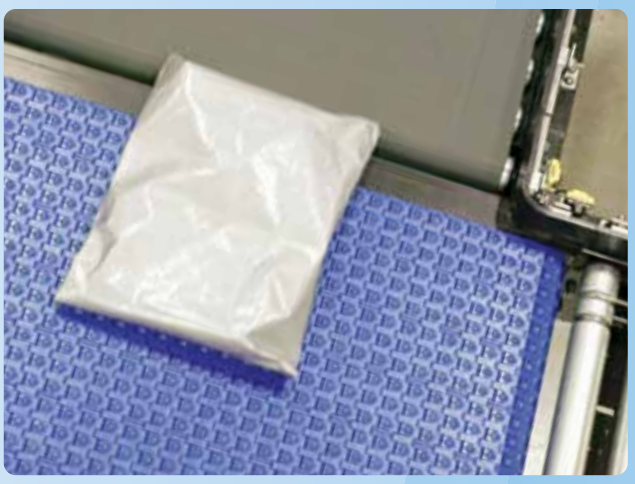
- Run on demand technology
- Energy efficient, quiet, low maintenance

OLD TECHNOLOGY - PUSHER ARM



Gaps, safety hazard

VS



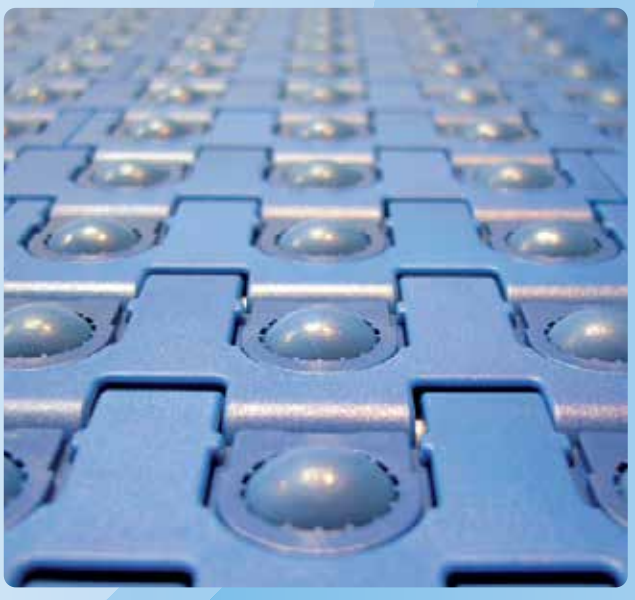
Near continuum surface.

OLD TECHNOLOGY - POP UP DIVERT



Rollers, Fasteners
Belts

Large Gaps
3" (75mm)
Centers



Spheres on 1" (25mm) Centers

WHAT YOU NEED TO KNOW

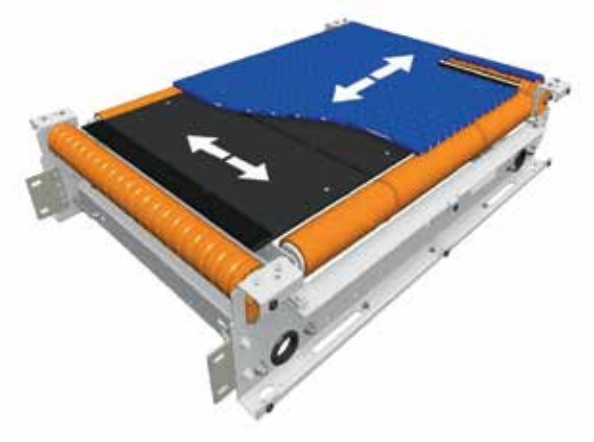
WHAT IT DOES:

Receives product
Passes product straight through
Diverts product left or right
Can be used to divert in two different modes:

- Stop and divert full 90 degrees
- Divert on the fly (blended vector angle)

HOW IT WORKS:

System Plast® 2253RT belt (blue) used as a transfer belt to receive and pass product through or when the divert belt (black) is activated diverts packages left or right. Both belts are driven by industry standard MDR technology.



APPLICATION CONSIDERATIONS:

Package rates of 35-50 per minute
Typical package sizes less than 30" x 30"
Weight of 50 lbs or less
Control Card options:

Networked ERSC:

- Discrete program capability
- Interfaces to PLC via Ethernet IP
- Control two MDR's per card
- Change motor parameters on the fly



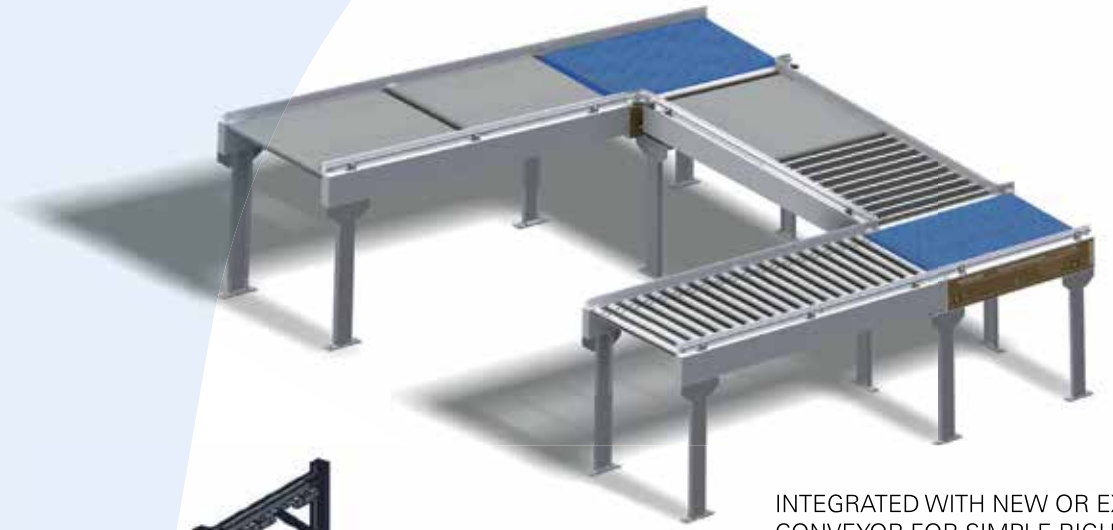
Non-Network EZ24:

- Not programmable, wired inputs to PLC
- Control of one MDR per card
- Cannot change motor parameters on the fly

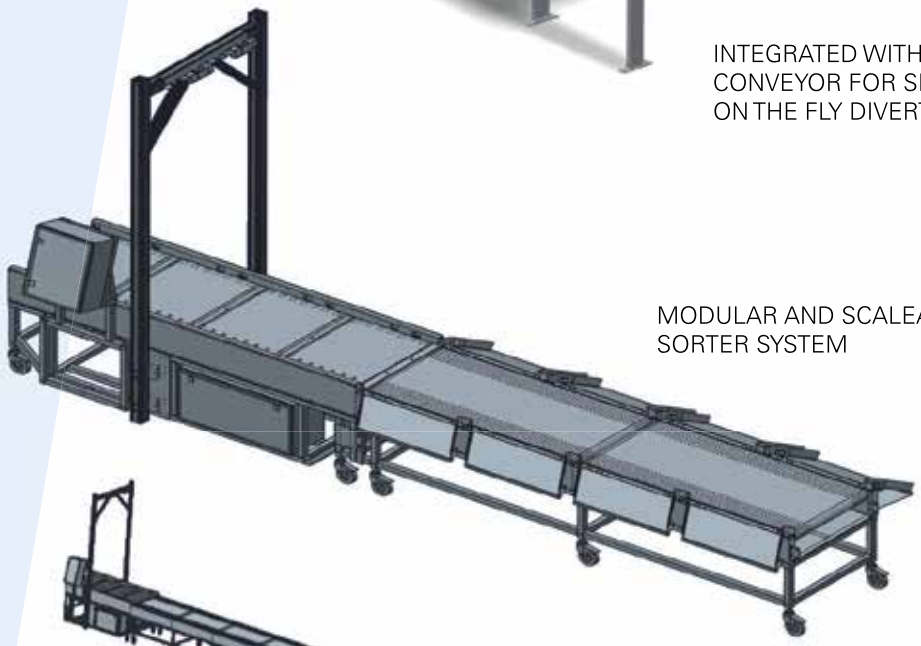


* ConveyLinx is believed to be the trademark and/or trade names of Insight Automation, Inc. and is not owned or controlled by Regal Rexnord Corporation.

APPLICATION VERSATILITY



INTEGRATED WITH NEW OR EXISTING MDR CONVEYOR FOR SIMPLE RIGHT ANGLE OR ON THE FLY DIVERTS



MODULAR AND SCALEABLE SORTER SYSTEM



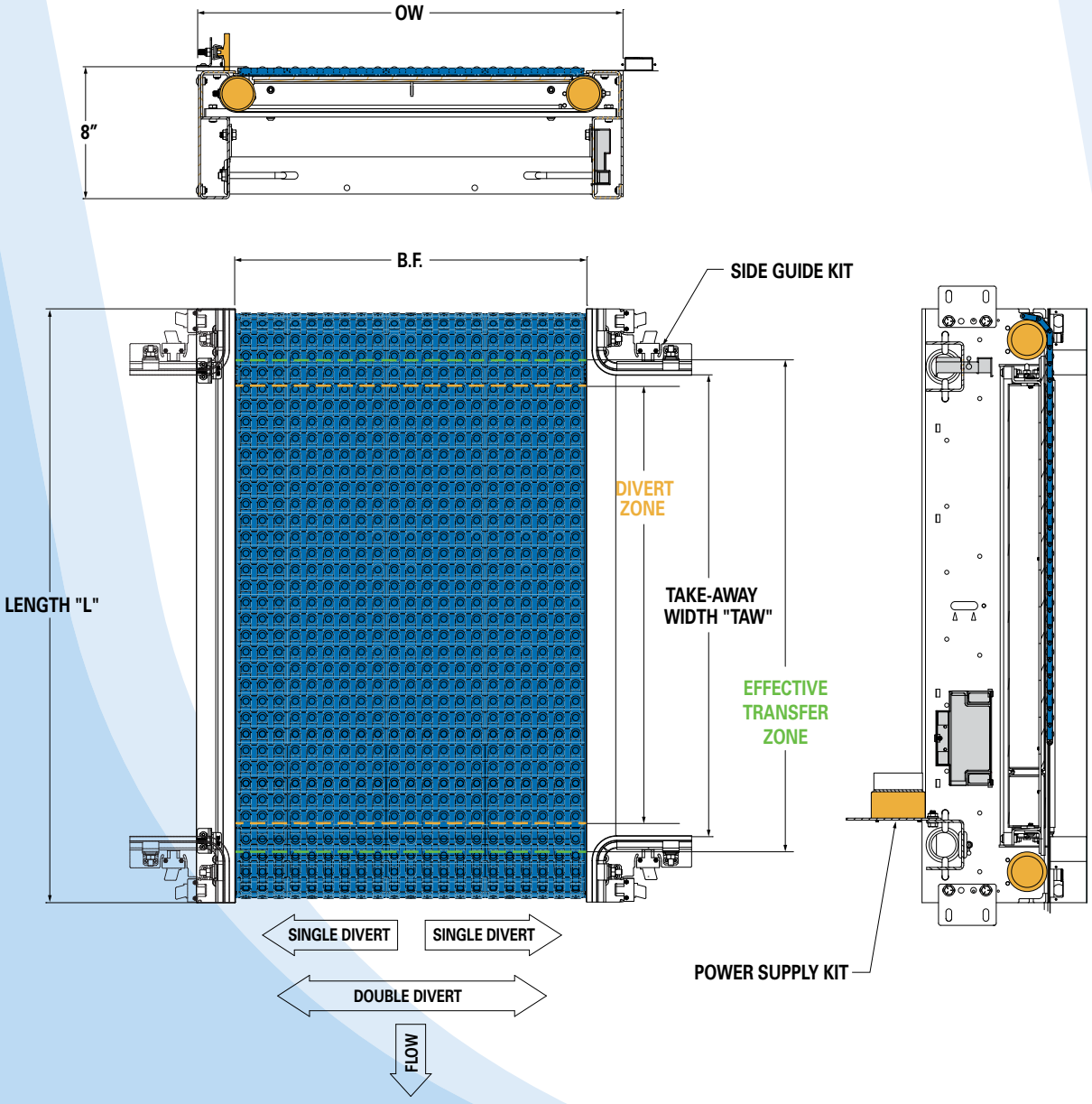
For more information visit
www.modsort.com

Contact us at modsort.engineering@regalrexnord.com

MODSORT® CONVEYOR MODULE PRODUCT RANGE

MODSORT® MODULE SIZES							
ITEM DESCRIPTION	Size	LENGTH L (in.)	OVERALL WIDTH OW (in.)	NOMINAL WIDTH B.F. (in.)	DIVERT ZONE LENGTH (in.)	TAKE-AWAY WIDTH TAW (in.)	EFFECTIVE TRANSFER ZONE LENGTH (in.)
MODSORT-_ _ _ _-30-16	1	30	19.5	16	21	16, 22	24
MODSORT-_ _ _ _-30-22	2	30	25.5	22	21	22	24
MODSORT-_ _ _ _-36-16	3	36	19.5	16	27	16, 22, 28	30
MODSORT-_ _ _ _-36-22	4	36	25.5	22	27	22, 28	30
MODSORT-_ _ _ _-36-28	5	36	31.5	28	27	28	30
MODSORT-_ _ _ _-42-22	6	42	25.5	22	33	22, 28, 34	36
MODSORT-_ _ _ _-42-28	7	42	31.5	28	33	28, 34	36
MODSORT-_ _ _ _-42-34	8	42	37.5	34	33	34	36

TO COMPLETE THE DESCRIPTION SPECIFY TYPE OF CONTROL CARD - FOR EXAMPLE MODSORT-ERSC-36-28
CONTROL CARD OPTIONS - ERSC (Networked Control) or EZ24 (Non-networked Control)



ACCESSORIES

SIDE GUIDE KITS

SINGLE DIVERT - LEFT OR RIGHT

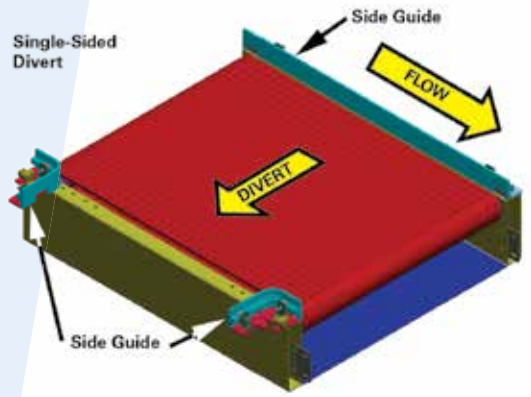
ITEM DESCRIPTION	Transfer Length	TAKE-AWAY WIDTH
MODSORT-SGK-30-16TAW-S	30"	16"
MODSORT-SGK-30-22TAW-S	30"	22"
MODSORT-SGK-36-16TAW-S	36"	16"
MODSORT-SGK-36-22TAW-S	36"	22"
MODSORT-SGK-36-28TAW-S	36"	28"
MODSORT-SGK-42-22TAW-S	42"	22"
MODSORT-SGK-42-28TAW-S	42"	28"
MODSORT-SGK-42-34TAW-S	42"	34"

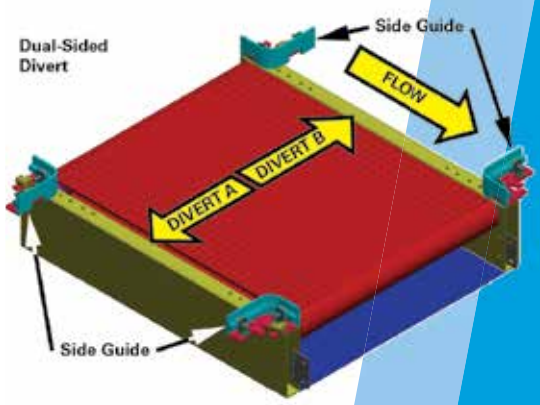
Includes Valu Guide® Nolu-SD™ guide rails, three Photoeyes, Reflectors, and necessary mounting hardware.

DOUBLE DIVERT

ITEM DESCRIPTION	Transfer Length	TAKE-AWAY WIDTH
MODSORT-SGK-30-16TAW-D	30"	16"
MODSORT-SGK-30-22TAW-D	30"	22"
MODSORT-SGK-36-16TAW-D	36"	16"
MODSORT-SGK-36-22TAW-D	36"	22"
MODSORT-SGK-36-28TAW-D	36"	28"
MODSORT-SGK-42-22TAW-D	42"	22"
MODSORT-SGK-42-28TAW-D	42"	28"
MODSORT-SGK-42-34TAW-D	42"	34"

Includes Valu Guide Nolu-SD guide rails, four Photoeyes, Reflectors, and necessary mounting hardware.





POWER SUPPLY KIT

ITEM DESCRIPTION
MODSORT-PS-400W

Includes 400W AC/DC 24V output power supply, heatsink, mounting bracket and hardware, and pre-installed WAGO®* connectors and ground strip.



TRANSITION STRIPS

ITEM DESCRIPTION
MODSORT-TPA-16
MODSORT-TPA-22
MODSORT-TPA-28
MODSORT-TPA-34

Includes Nolu-S™ transfer plate and mounting brackets.



* WAGO is believed to be the trademark and/or trade name of WAGO Verwaltungsgesellschaft mbH Limited Company and is not owned or controlled by Regal Rexnord Corporation.



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Technical Service: 800-626-2093

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www.modsort.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit https://www.regalrexnord.com/Application-Considerations.

To view our Standard Terms and Conditions of Sale, please visit https://www.regalrexnord.com/Terms-and-Conditions-of-Sale (which may redirect to other website locations based on product family).

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