

RX EVO RACK CONVEYOR DISHWASHERS WITH SINGLE OR DOUBLE RINSE







DIHR introduces RX EVO with single rinse. This new range of rack conveyor dishwashers, thanks to the new single tank configuration, meets the DIN 10512 norm with a contact of 90 seconds.

Combined with numerous accessories, this new line of RX EVO offers personalized solutions for all demands.





FEATURES

STANDARD

- Double-skin, insulated and counterbalanced doors, equipped with anti-drop safety system
- Ergonomic handles
- Thermo barrier system for comfort in use
- Acid proof AISI 316 stainless steel radial wash tanks
- CLEAN+ filters
- Self-cleaning vertical wash pumps, protected from electrical overloads
- Wash arms ALL-IN-1
- CPF System
- Side traction system with built-in clutch
- Variatore di velocità DRIVE a 5 velocità
- Use economizer
- Acid proof AISI 316 stainless steel boilers, fully insulated to reduce thermal loss
- Autotimer switching off the rack conveyor motor and all electrical options after a preset lapse of inactivity
- Single rinse R with limited consumptions
- Control panel with IPX5 membrane keyboard

OPTIONS

- Linear and 90°/180° corner drying modules, power 4,5 kW or 9 kW (double skin dryer available for linear models only)
- Steam condenser (SC10)
- Two models of heat recovery to be chosen according to the type of machine (compact or with integrated heat pump)
- Detergent dispenser with probe or dispensers kit
- Booster pump
- Hydraulic security system Break Tank
- Extra power for the boiler
- Thermal and acoustic insulation
- Stainless steel pumps
- Centralized drain 1-DRAIN
- Delivery in 2 or more parts to facilitate handling
- Machine sanitization also with dedicated booster pump
- Variable speed inverter "drive" with 5 speeds



Model		Voltage	Capacity	Dimensions	Code	
RX 102 E 5 SPEE	EDS					
IMPROVED R W	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 19,7 kW	Ø 450 500×500 80*-112 racks/h	1900×805× 1830/2120 H 300 kg GN 1/1 530×325×25 H	RX 102 E	

P Prewash

W Wash

R Single rinse

OPTIONS

				PRE DOS	DDE-GROUP	DOS/S	SAN	PAP-SAN	DWI	PAP	
Model	220-240 V 3 50 Hz	380-415 V 3N 50 Hz	60 Hz	DIHR disp. connections	Dispensers kit	Dispenser with Probe	Saniti- zation	Booster Pump Sani- tiz.	Thermoacou- stic Insulation	Booster pump	
RX 102 E	€	•	+3%	•	€	€	€	€	€	€	
RX 142 E	€	•	+3%	•	€	€	€	€	€	€	

• Standard

---- Not available

E Settable electronic panel

DDE-GROUP Both detergent with probe and rinse-aid dispensers included

DOS/S For detergent dispenser only

SAN Including dosing system for sanitizing product

DWI Insulation option for the tunnel only, dryer excluded. Shelf dryer can be insulated upon request. Recommended with

HR10 - HRP40

DIV Only splash guards removable

XP In case of cold water supply for rinse (8-55 °C) and without any heat recovery, the extra power option is mandatory



Model			Voltage	Capacity	Dimensions	Code	
RX 142 E	5 SPEEDS						
IMPROVED	WP	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 19,7 kW	Ø 450 Ø 450 500x500 93-144 racks/h 119* racks/h	2100x805x 1830/2120 H 310 kg GN 1/1 530x325x25 H	RX 142 E	

* Productivity according to DIN SPEC 10534 (contact time)

	DRIVE	AUTOTIMER	ВТ	DVGW	XP	DIV	PI	1-DRAIN
Model	Smart drive	Autotimer	Break Tank	DVGW	Extra Power	Price for division	S/S Pumps	Centralized Drain
RX 102 E	•	•	€	€	€	€	€	•
RX 142 E	•	•	€	€	€	€	€	•

PI

Available with 50 Hz frequency only

DVGW

Not available with heat recovery or steam condenser

ВТ

Booster pump included

DRIVE

Check voltage compatibility

With osmotic water supply and electrical conductivity lower than 200 microsiemens, it is mandatory to install a stainless steel heat exchanger

We recommend to install the machine in a well ventilated room, with a properly sized steam exhausting system

Peak-cut connect upon request

Warm water supply 55 °C

EAC label upon request

Option compatibility to be confirmed by the manufacturer after verification



OPTIONS

	SC10	HR10	HRP40	DR64	DR69	DR94	
Model	Steam condenser	Heat recovery	Heat recovery	Dryer + 400 mm 4,5 kW	Dryer + 400 mm / 9 kW	Dryer + 700 mm / 4,5 kW	
RX 102 E	€	€	€	€	€	€	
RX 142 E	€	€		€	€	€	

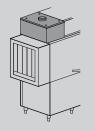
Standard

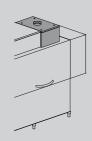
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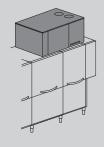
E Settable electronic panel

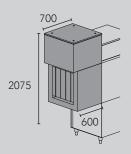
HRP40 Available with 400 V 3N 50 Hz frequency only

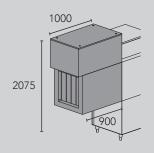
HR10 - HRP40 In case of cold water supply for rinse (8-15 °C), we recommend to install the heat recovery system optional. Extra power included











SC10 Steam condenser

HR10 Compact Heat recovery **HRP40**Heat recovery with heat pump

DR64 4,5 D**R69** 9 kV

4,5 kW Electric 9 kW Electric DR94 4,5 kW ElectricDR99 9 kW ElectricDryer



	DR99	DRA94MC	DRA99MC	DRA184MC	DRA189MC	ID
Model	Dryer + 700 mm / 9 kW	Mechanized dryer 90° arc 4,5 kW	Mechanized dryer 90° arc 9 kW	Mechanized dryer 180° arc 4,5 kW	Mechanized dryer 180° arc 9 kW	Double skin for dryer
RX 102 E	€	€	€	€	€	€
RX 142 E	€	€	€	€	€	€

ID Recommended for DR69 - DR99. Not available for corner dryers

LC77/2 - LC77/3 Available on entry or exit connections, one per layout

DRA184MC - DRA189MC Mandatory division

DR64 - DR94 - DRA94MC - DRA184MC Verify feasibility with manufacturer

DRA94MC - DRA99MC - DRA184MC - DRA189MC Available only without LC77/2 - LC77/3 on entry

Option compatibility to be confirmed by the manufacturer after verification

AVAILABLE ARCS:



LC97 1300x1300x860 H 90° roller arc with tank



LC98 700x610x820 H Angle loading table complete with basket pull-through system



LC77/2 850x850x885 H 90° mechanized arc (clockwise/counter-clockwise) to be used with original DIHR racks only



LC77/3 850x1500x885 H 180° mechanized arc (clockwise/counter-clockwise) to be used with original DIHR racks only



DRA99MC 4,5 kW Electric **DRA99MC** 9 kW Electric

Dryer with mechanized arc 90° to be used with original DIHR racks

only



DRA189MC 4,5 kW Electric **DRA189MC** 9 kW Electric

Dryer with mechanized arc 180° to be used with original DIHR racks only





DIHR presents the RX EVO line of rack conveyor dishwashers with double rinse: a range of models with multiple accessories to offer tailor-made solutions for any customer needs.

Thanks to the efficient pre-rinse and rinse system, we have achieved a radical reduction in water consumption, up to using approximately one liter of water per basket only.

Pre-rinse saves water, rinse-aid and electricity because the water used for rinsing is collected and sent to the pre-rinse arms. This result, besides respecting the environment, significantly saves chemicals and reduces the need for energy.





CONTROL PANEL

The RX EVO control panel with IPX5 membrane keyboard, allows both technicians and users to obtain comprehensive and detailed information on the machine operation. Its display with scrolling text provides data about the current status of the machine, such as boiler and tank temperatures, main alert codes and various programmable settings. The user-friendly control board, combined with the clear set of information provided to the user, make of DIHR display a reliable and effective control device for our machine.



FEATURES

STANDARD

- Electromechanical control panel
- Improved double rinse RR, more effective and with limited consumptions
- Double lateral drive system with incorporated clutch
- DRIVE speed variator with 3 speeds on the electromechanical versions and 5 speeds on the electronic versions

OPTIONS

- Control panel with IPX5 membrane keyboard
- Linear and 90°/180° corner drying modules, power 4,5 kW or 9 kW (double skin dryer available for linear models only)
- Steam condenser (SC10)
- Three models of heat recovery to be chosen according to the type of machine (compact, standard, or with built-in heat pump)
- Detergent dispenser with probe or dispensers kit
- Booster pump
- Water pressure security system Break Tank
- Extra power for the boiler
- Thermal and acoustic insulation
- Stainless steel pumps
- Centralized drain 1-DRAIN
- Variable speed inverter "drive" with 5 speeds (electronic version).
- Delivery in 2 or more parts to facilitate handling
- Machine sanitization (for electronic versions only) with dedicated booster pump

RX EVO

Model		Voltage	Capacity	Dimensions	Code
RX 104 3 SPEEDS					
IMPROVED AS AS	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 19,90 kW	Ø 450 500x500 80*-112 rack/h	1900x805 1830/2120 H 245 kg AS + 450 mm GN 1/1 530x325x25H	RX 104 RX 104 AS
RX 144 3 SPEEDS					
IMPROVED RR W 5	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 20,60 kW	Ø 450 500x500 93*-144 rack/h	2100x805 1830/2120 H 270 kg GN 1/1 530x325x25H	RX 144
RX 184 3 SPEEDS					
IMPROVED AS P AS	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 23,82 kW	Ø 450 500x500 115*-192 rack/h	2500x805 1830/2120 H 355 kg AS + 450 mm GN 1/1 530x325x25H	RX 184 RX 184 AS
RX 184 LC 3 SPEEDS - COR	NER PREWASH				
IMPROVED RR W	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 23,82 kW	Ø 450 500x500 115-192 rack/h	2225x985 1830/2120 H 355 kg GN 1/1 530x325x25H	RX 184 LC
RX 244 3 SPEEDS					
IMPROVED RR W P 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 28,10 kW	Ø 450 500x500 132*-240 rack/h	2800x805 1830/2120 H 395 kg AS + 450 mm GN 1/1 530x325x25H	RX 244 RX 244 AS
P Prewash W Wash		Corner prew AS Automatic s		drawer +450 mm	

S

Soaking

Pre-rinse + rinse



					:
Model		Voltage	Capacity	Dimensions	Code
RX 104 E 5 SPEEDS					
RR W AS	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 19,90 k	Ø 450 500x500 80*-112 rack/h	1900x805 1830/2120 H 245 kg AS + 450 mm GN 1/1 530x325x25H	RX 104 E RX 104 E AS
RX 144 E 5 SPEEDS					
IMPROVED RR W 5	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 20,60 kW	Ø 450 500x500 93*-144 rack/h	2100x805 1830/2120 H 270 kg GN 1/1 530x325x25H	RX 144 E
RX 184 E 5 SPEEDS					
IMPROVED RR W P A5	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 23,82 kW	Ø 450 500×500 115*-192 rack/h	2500x805 1830/2120 H 355 kg AS + 450 mm GN 1/1 530x325x25H	RX 184 E RX 184 E AS
RX 184 E LC 5 SPEEDS	: - CORNER PREWASH	1			
IMPROVED RR W	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 23,82 kW	Ø 450 500x500 115-192 rack/h	2225x985 1830/2120 H 355 kg GN 1/1 530x325x25H	RX 184 E LC
RX 244 E 5 SPEEDS					
IMPROVED AS RR W P AS RR P AS RR RR RR RR RR RR RR RR RR	RACK EQUIPMENT 1 X C40 1 X C43 1 X C44 1 X C47	400 V 3N ~ 50 Hz 28,10 kW	Ø 450 500x500 132*-240 rack/h	2800x805 1830/2120 H 395 kg AS + 450 mm GN 1/1 530x325x25H	RX 244 E RX 244 E AS

* Productivity according to DIN SPEC 10534 (contact time)



OPTIONS

				PRE DOS I	DDE-GROUP	DOS/S	SAN	PAP-SAN	SC10	HR10	HR20	HRP40	
Model	220-240 V 3 3 50 Hz 3	880-415 V BN 50 Hz	60 Hz	DIHR disp. connec- tions	Dispensers kit	Dispenser with Probe	Saniti- zation	Booster Pump Sanitiz.	Steam condenser	Heat recovery	Heat recovery	Heat recovery	
RX 104	€	•	+3%	•	€	€			€	€			
RX 104 AS	€	•	+3%	•	€	€			€	€			
RX 104 E*	€	•	+3%	•	€	€	€	€	€	€		€	
RX 104 E AS	€	•	+3%	•	€	€	€	€	€	€		€	
RX 144	€	•	+3%	•	€	€			€	€			
RX 144 E	€	•	+3%	•	€	€	€	€	€	€		€	
RX 184	€	•	+3%	•	€	€			€	€	€		
RX 184 AS	€	•	+3%	•	€	€			€	€	€		
RX 184 E	€	•	+3%	•	€	€	€	€	€	€	€	€	
RX 184 E AS	€	•	+3%	•	€	€	€	•	€	€	€	€	
RX 184 LC	€	•	+3%	•	€	€			€	€			
RX 184 E LC	€	•	+3%	•	€	€	€	€	€	€		€+	
RX 244	€	•	+3%	•	€	€			€	€	€		
RX 244 AS	€	•	+3%	•	€	€			€	€	€		
RX 244 E*	€	•	+3%	•	€	€	€	€	€	€	€	€	
RX 244 E AS	€	•	+3%	•	€	€	€	•	€	€	€	€	

Standard

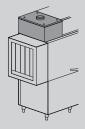
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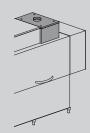
E Settable electronic panel

HRP40 Available with 400 V 3N 50 Hz frequency only

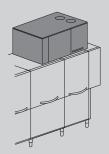
That is Traditional With 100 V 51V 50 Hz hoquency 51Hz

HR10 - HR20 - HRP40 In case of cold water supply for rinse (8-15 °C), we recommend to install the heat recovery system optional. Extra power included









SC10 Steam condenser

HR10Compact Heat recovery

HR20 Heat recovery **HRP40**Heat recovery with heat pump



	DWI	PAP	DRIVE	AUTOTIMER	ВТ	DVGW	XP	DIV	PI	1-DRAIN
Model	Thermo- acoustic Insulation	Booster pump	Smart drive	Autotimer	Break Tank	DVGW	Extra Power	Price for division	S/S Pumps	Centralized Drain
RX 104	€	€	•				€	€	€	€
RX 104 AS	€	€	•				€	€	€	€
RX 104 E*	€	€	•	•	€	€	€	€	€	€
RX 104 E AS	€	€	•	•	€	€	€	€	€	€
RX 144	€	€	•				€	€	€	€
RX 144 E	€	€	•	•	€	€	€	€	€	€
RX 184	€	€	•				€	€	€	€
RX 184 AS	€	€	•				€	€	€	€
RX 184 E	€	€	•	•	€	€	€	€	€	€
RX 184 E AS	€	€	•	•	€	€	€	€	€	€
RX 184 LC	€	€	•				€	€	€	€
RX 184 E LC	€	€	•	•	€	€	€	€	€	€
RX 244	€	€	•				€	€	€	€
RX 244 AS	€	€	•				€	€	€	€
RX 244 E*	€	€	•	•	€	€	€	€	€	€
RX 244 E AS	€	€	•	•	€	€	€	€	€	€

+ Not available for LC version if the machine is next to the wall

* Construction according to UL-NSF standards upon request

DDE-GROUP Both detergent and rinse-aid dispensers included (with probe)

DOS/S For detergent dispenser only

SAN Including dosing system for sanitizing product

DWI Insulation option for the tunnel only, dryer excluded. Shelf dryer can be insulated upon request.

Recommended with HR10 – HR20 – HRP40

DRIVE Check voltage compatibility

BT Booster pump included

DIV For models RX 104, RX 104 E, RX 144, RX 144 E only splash guards removable

PI Available with 50 Hz frequency only. Not available for AS module

DVGW Not available with heat recovery or steam condenser

Components prescribed by DVGW on request (check option compatibility with the manufacturer)

 \mathbf{XP} In case of cold water supply for rinse (8-55 °C) and without any heat recovery,

the extra power option is mandatory

With osmotic water supply and electrical conductivity lower than 200 microsiemens, it is mandatory to install a stainless steel heat exchanger

Peak-cut connect upon request

Warm water supply 55 °C

We recommend to install the machine in a well ventilated room, with a properly sized steam exhausting system

Option compatibility to be confirmed by the manufacturer after verification



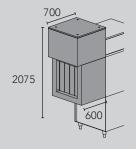
OPTIONS

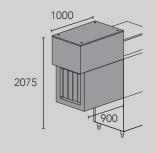
	DR64	DR69	DR94	DR99	
Model	Dryer + 400 mm 4,5 kW	Dryer + 400 mm / 9 kW	Dryer + 700 mm / 4,5 kW	Dryer + 700 mm / 9 kW	
RX 104	€	€	€	€	
RX 104 AS	€	€	€	€	
RX 104 E *	€	€	€	€	
RX 104 E AS	€	€	€	€	
RX 144	€	€	€	€	
RX 144 E	€	€	€	€	
RX 184	€	€	€	€	
RX 184 AS	€	€	€	€	
RX 184 E	€	€	€	€	
RX 184 E AS	€	€	€	€	
RX 184 LC	€	€	€	€	
RX 184 E LC	€	€	€	€	
RX 244	€	€	€	€	
RX 244 AS	€	€	€	€	
RX 244 E *	€	€	€	€	
RX 244 E AS	€	€	€	€	

ID Recommended for DR69 - DR99. Not available for corner dryers

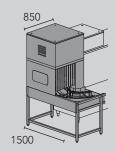
* Construction according to UL-NSF standards upon request

DR64 - DR94 - DRA94MC - DRA184MC With the models RX 184 and RX 244. Verify with manufacturer









DR64	4,5 kW Electric
DR69	9 kW Electric
Dryer	

DR94	4
DR99	9
Dryer	

4,5 kW Electric 9 kW Electric

DRA94MC 4,5 kW Electric **DRA99MC** 9 kW Electric

Dryer with mechanized arc 90° to be used with original DIHR racks only

DRA184MC 4,5 kW Electric **DRA189MC** 9 kW Electric

Dryer with mechanized arc 180° to be used with original DIHR racks only



	DRA94MC	DRA99MC	DRA184MC	DRA189MC	ID
Model	Mechanized dryer 90° arc 4,5 kW	Mechanized dryer 90° arc 9 kW	Mechanized dryer 180° arc 4,5 kW	Mechanized dryer 180° arc 9 kW	Double skin Dryer
RX 104	€	€	€	€	€
RX 104 AS	€	€	€	€	€
RX 104 E *	€	€	€	€	€
RX 104 E AS	€	€	€	€	€
RX 144	€	€	€	€	€
RX 144 E	€	€	€	€	€
RX 184	€	€	€	€	€
RX 184 AS	€	€	€	€	€
RX 184 E	€	€	€	€	€
RX 184 E AS	€	€	€	€	€
RX 184 LC	€	€	€	€	€
RX 184 E LC	€	€	€	€	€
RX 244	€	€	€	€	€
RX 244 AS	€	€	€	€	€
RX 244 E *	€	€	€	€	€
RX 244 E AS	€	€	€	€	€

LC77/2 - LC77/3 Available on entry or exit connections, one per layout

DRA184MC - DRA189MC Mandatory division

DRA94MC - DRA184MC - DRA189MC Available only without LC77/2 - LC77/3 on entry

AVAILABLE ARCS:



LC97 1300x1300x860 H 90° roller arc with tank



LC98 700x610x820 H Angle loading table complete with basket pull-through system



LC77/2 850x850x885 H 90° mechanized arc (clockwise/counter-clockwise) to be used with original DIHR racks only



LC77/3 850x1500x885 H 180° mechanized arc (clockwise/counter-clockwise) to be used with original DIHR racks only



ACCESSORIES

	Description	Capacity	Dimensions	Code
	PLATE BASKET	18 Plates	500x500x105 H	C 40
	GLASS BASKET WITH GLASS SUPPORT AND ANTI-TIPPING LID		500x500x235 H	C 135
	LARGE MESH BASKET	For glasses	500x500x105 H	C 44
	HOLDER FOR GLASS SUPPORT	For glass support (C112-C113-C114)	500x500x50 H	C111
	GLASS SUPPORT	5x5 Glass Ø 87 mm (C111)	500x500x50 H	C 112
	GLASS SUPPORT	4x4 Glass Ø 110 mm (C111)	500x500x50 H	C 113
	GLASS SUPPORT	6x6 Glass Ø 72 mm (C111)	500x500x50 H	C 114
	TRAYS BASKET	8 pcs max depth 25mm	500x500x105 H	C 43
	CUTLERY BASKET		490x180x140 H	C 47
	FLEXIBLE SHOWER complete with mixing group and lever tap, to be fixed to the wall		1000 H	D 01
	FLEXIBLE SHOWER complete with mixing group and lever tap, to be fixed to the wall and intermediate tap		1000 H	D 02



	Description	Capacity	Dimensions	Code
	CHELE		1515x620x660 H	M 16*
	SHELF		2315x620x660 H	M 24*
	GRADING TABLE	Waste hole and special	1600x1000x850 H	TC 16*
	WITH RUBBER RING	dimensions upon request	2400x1000x850 H	TC 24*
	MECHANIZED GRADING TABLE With mechanized basket	1 waste hole	1800x1240 1525 H	RTC 18*
	advancement system	2 waste holes	2400×1240 1525 H	RTC 24*
			1200x590x860 H	Т 35
			1200x730x860 H	T 55
		Standard rubber ring	1500x730x860 H	Т 80
Sink 500x400x2	Sink 70 H 500x400x270 H	Standard rubber ring	1800×730×860 H	Т 90
	ROLLER TABLE + sink, right or			
	left version		1600x730x860 H	T 195
	Sink 500x400x270 H			
			1100×650×860 H	LC 96/A*
	LINEAR ROLLER TABLE WITH TANK		1600x650x860 H	LC 96/B*
			2100x650x860 H	LC 96/C*
		Option end microswitch		LC 95
20000	LINEAR ROLLER TABLE WITH TANK complete with end microswitch	Not compatible with same references	1100x650x860 H	LC 96/1
		Not on 180° arcs	1600x650x860 H	LC 96/1A
		To be connected to LC77/3 only and to	1150x650x860 H	LC 96/2
₩ •		dryer on 180°	1650x650x860 H	LC 96/2A
	90° roller arc with tank (exit only with roller table)		1300×1300×860 H	LC 97*
	ANGLE LOADING TABLE complete with basket pull-through system	Option connection to prewash tables	700x610x820 H	LC 98
	90° mechanized arc clockwise/counter- clockwise, not available at the entry + LC version	Available on entry or exit connections, one per layout. To be used with original DIHR racks only	850x850x885 H	LC 77/2*
	180° mechanized arc (clockwise/counter- clockwise)		850x1500x885 H	LC 77/3*

^{*} Wooden cage +2% minimum + € / Special dimensions for tables upon request / Tables shown in right-to-left version
We strongly recommend the presence of a roller table with end microswitch at the exit of our rack conveyor machines for a correct operation



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