

**536029 (ZMR15LELEW)**

Multi rinse Rack Type, 150 racks/hour, large dryer, electric, left>right, Energy Saving Device, ACTIVE guaranteed rinse system, constant rinse, self cleaning, automatic descaling, advanced filtering system, touch screen, variable speed, insulated doors. Table-to-table length without considering the splash hood is 2670mm

**Main Features**

- Deep drawn pressed wash tank with fully rounded corners, sloped towards the drain to prevent dirt build up provides fast drainage in only a few minutes. Pressed wash tank with no welded points offer a guaranteed water tight solution.
- Large counter balanced inspection doors allow unrestricted all-round access to the wash and rinse area. Door is insulated with injected foam. This adds strength as well as reduces noise and heat loss.
- Self-draining wash pumps provide maximum hygiene and all wash and rinse zones drain automatically at the push of a button.
- Drying zone removes most of water from the crockery through a high powered fan that extracts dry air from outside mixing it with the internal air, thus providing dry plates at a temperature cool enough to handle safely.
- IP25 protection against water jets, solid objects and small animals (larger than 6 mm).
- Built-in drain valve in the tanks allows automatic dump and fill to refresh the water in the tank without any interruption of the washing process.
- CLEAR BLUE filtering system removes soil from the wash water providing cleaner water and highly active detergent thus ensuring better washing performance and lower running costs.
- Built-in WASH-SAFE CONTROL system raises water temperature to 85°C to sanitize the rinse water. No external boiler is required. Built-in air break and rinse booster pump ensure constant temperature and pressure throughout the rinsing cycle regardless of the inlet water condition.
- Three conveyor speeds can be selected through the control panel by the operator and customized on site.
- Multi-rinse arms in combination with double rinse tanks re-use final rinsing water in several phases to ensure hygiene and complete detergent removal on the washed wares.
- Intuitive touch screen control panel features user-friendly display to easily operate the machine and to monitor machine status. Three different levels of interaction are available each show relevant messages and information to the operator, the general maintenance staff and the authorized service partners.
- Automatic drain, clean and sanitize cycles featured as standard. The internal chambers, including the internal doors are completely cleaned or sanitized avoiding bacteria proliferation for maximum hygiene and reducing manual work/time for operator.
- All internal components: wash and rinse arms, tank filters, curtains can be easily removed for cleaning.
- Splashhood at the entrance avoids water spilling outside the machine.
- Unit equipped with USB port making it simple to read data such as machine identification, counters and consumption, components, devices and alarm logs. Machine parameters can be uploaded and downloaded and firmware updated.
- Maximum Water Contact (MWC) wash arms are positioned along the full length of the wash tank.
- Automatic back-up mode is activated when a failure occurs. Guided troubleshooting for fast fixes including 300 precise notifications and 23 easy-to-follow processes.

## Construction

- Adjustable feet for full access underneath the machine for cleaning.
- Modularity design allows the machine not only be disassembled for delivery and re-assembled at customer's site, but also to be customized and upgraded on-site and over time.
- Dishwasher structure is held together with a solid 50 x 50 mm stainless steel frame to provide long-term sturdiness.
- All electric components are put in one IP65 central box isolated from water and steam to ensure high reliability.
- External pre-arrangement for inlet water, drain water, detergent & rinse aid connections for fast and easy installation on both sides of the unit.
- The unit is built on modularity concept for easy to add pre-wash, wash and up to 2 dryer modules onsite.
- All main components made in heavy duty anti-corrosive 304 type stainless steel: external front, side panels and internal chambers, wash and rinse arms, doors and rack transportation system.
- Table-to-table length, 2670mm.



# A focus on sustainability

## Sustainability

- ZERO LIME Device as a fully automatic cycle ensures total scale removal from the boiler, the hydraulic circuit, the washing chamber and the rinsing chamber allowing ultimate performances and lower energy consumption thanks to highly efficient heating elements.
- Built-in Energy Saving Device (ESD) utilizes the hot steam generated by the machine in the rinse and wash tanks to heat up incoming cold water up to 55°C before entering the boiler, thus saving energy.
- Multi-rinse technology guarantees rinse water consumption of 0.4 liters/rack regardless of the conveyor speed to ensure low energy, water, detergent and rinse aid consumption.
- Auto-start/stop equipped in different zones ensures that the zone runs only when a rack is passing through it. This reduces water, energy, chemical consumption and noise.
- All chambers without internal pipes and therefore no hidden dirt traps.
- Maximum capacity per hour of 150 racks easy to switch to DIN 10510 or NSF ANSI 3 compliant speed.

## Certifications & Recognitions



International system for mutual acceptance of test reports and certificates concerning the safety of electrical and electronic components, equipment, and products.



Product assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.



Product placed on the Great Britain market and complies with UK regulations and standards.



# Technical specifications

## Electric

|                               |                       |
|-------------------------------|-----------------------|
| Supply voltage:               | 380-415 V/3N ph/50 Hz |
| Energy consumption:           | 33.2 kWh              |
| Wash tank heating elements:   | 14 kW                 |
| Default Installed Power:      | 36.3 kW               |
| Triple tank heating elements: | 7 kW                  |
| Boiler heating elements:      | 3.5 kW                |
| Electrical power min:         | 29.3 kW               |
| Wash pump size:               | 1.5 kW                |

## Water:

|                                                  |                      |
|--------------------------------------------------|----------------------|
| Peak rate of drain flow (l/s):                   | 1.8                  |
| Inlet water line size:                           | G 3/4" G 3/4"        |
| Inlet cold water line size:                      | G 3/4"               |
| Drain line size:                                 | 50mm                 |
| Inlet water supply pressure:                     | 1.5-6 bar            |
| Inlet Water Supply temperature (rinse):          | 5 - 30 °C            |
| Inlet water supply temperature (wash and rinse): | 5 - 65°C             |
| Inlet water supply hardness:                     | 5-8 °fH / 2.8-4.5°dH |
| Flow rate of wash pump:                          | 500 l/min            |
| Wash tank size:                                  | 70 l                 |
| Duo rinse tank size:                             | 20 l                 |
| Rinse water consumption:                         | 0 l/rack             |

## Key Information:

|                                              |                      |
|----------------------------------------------|----------------------|
| Productivity per hour (max. speed):          | 150 racks/2700dishes |
| External dimensions, Width:                  | 2970 mm              |
| External dimensions, Depth:                  | 895 mm               |
| Productivity per hour (DIN compliant speed): | 114 racks/2052dishes |
| External dimensions, Height:                 | 2020 mm              |
| Height with door open:                       | 2095 mm              |
| Charging hole size (width):                  | 530 mm               |
| Charging hole size (height):                 | 490 mm               |
| Wash Temperature:                            | 55 - 65 °C           |
| Net weight:                                  | 515 kg               |
| Shipping weight (gross):                     | 640 kg               |
| Shipping height:                             | 2260 mm              |
| Shipping width:                              | 3442 mm              |
| Shipping depth:                              | 1035 mm              |
| Shipping volume:                             | 8.05 m³              |
| Table to table distance:                     | 2970 mm              |
| Triple rinse temperature:                    | 70 - 75 °C           |

## Air Emission:

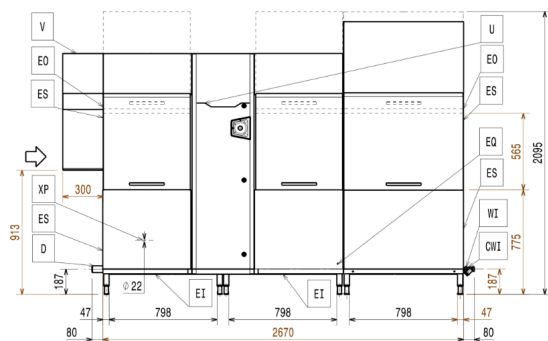
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|---------------------------|------------------|
| Air humidity (top, exit): | 100 / 100 % r.h. |
| Latent heat:              | 12300 W          |
| Sensible heat:            | 5000 W           |
| Air flow (top, exit):     | 86 / 15 m³/h     |
| Air temperature:          | 27 - 45 °C       |

## Sustainability

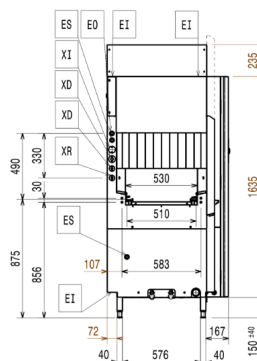
|              |         |
|--------------|---------|
| Noise level: | <62 dBA |
|--------------|---------|

# Installation drawings

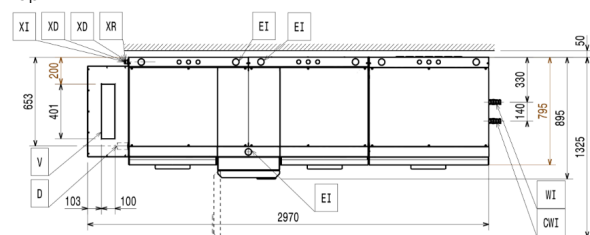
Front



Side



Top



D = Drain

HWI = Hot water inlet

EQ = Equipotential screw

CWI = Cold Water Inlet

ES = Electrical signal IN/OUT

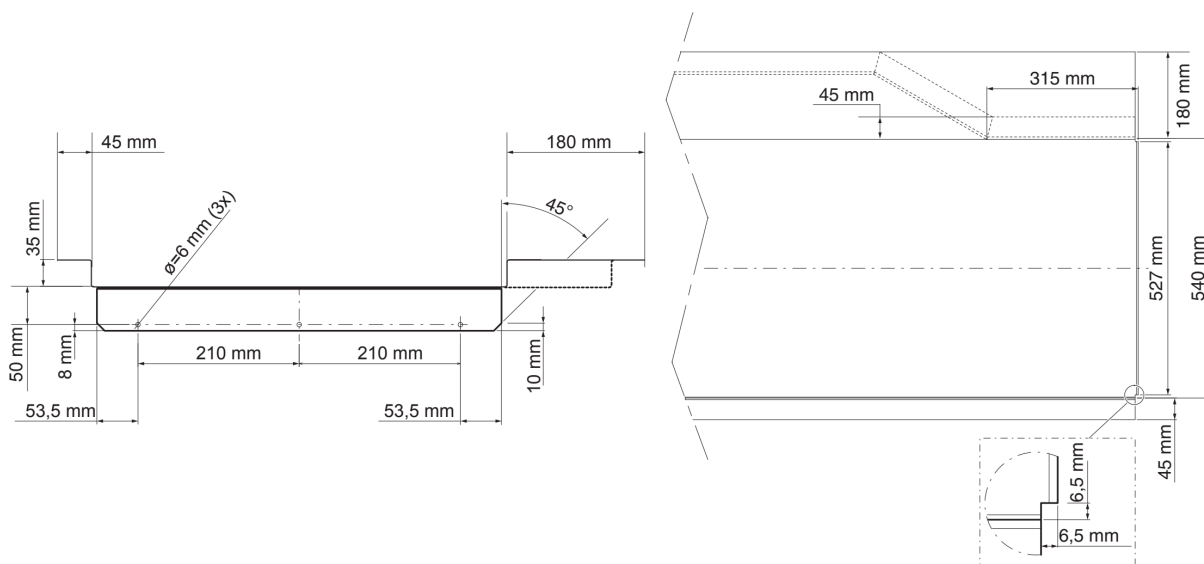
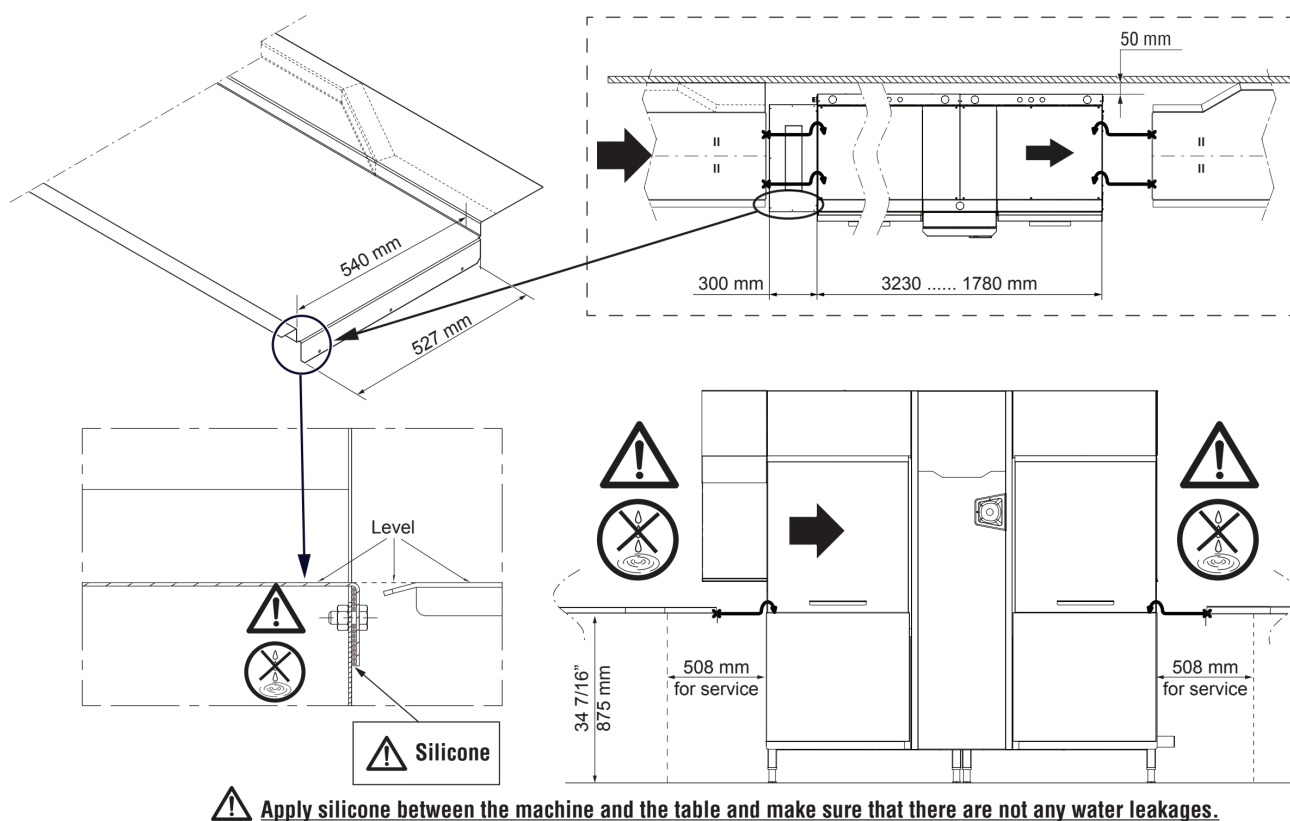
EI = Electrical inlet (power)

XP = Chemical probe/sensor

EO = Electrical Outlet

U = USB port

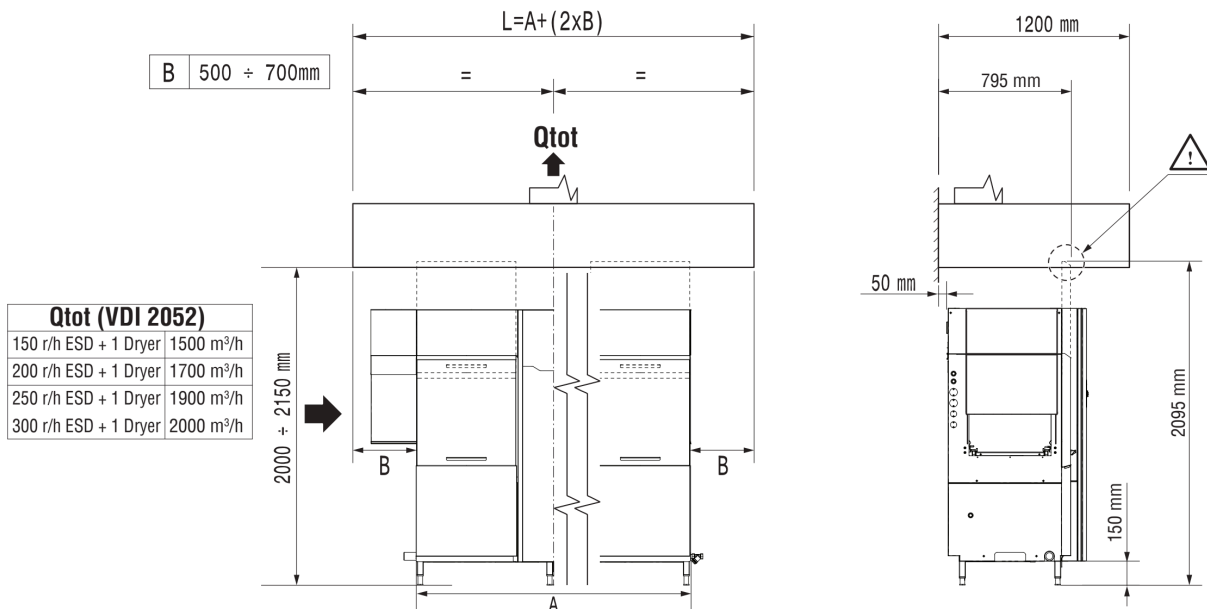
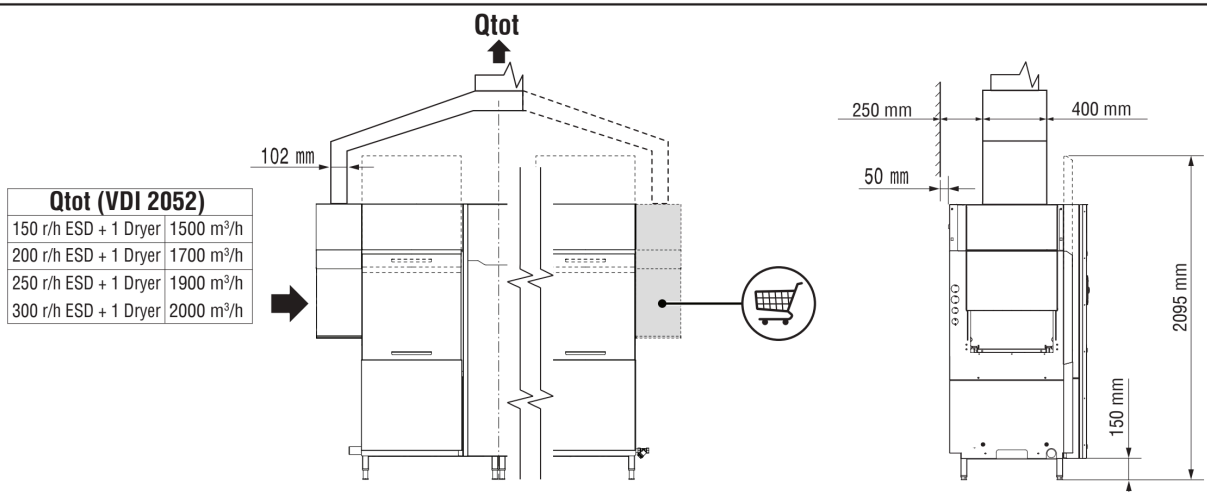
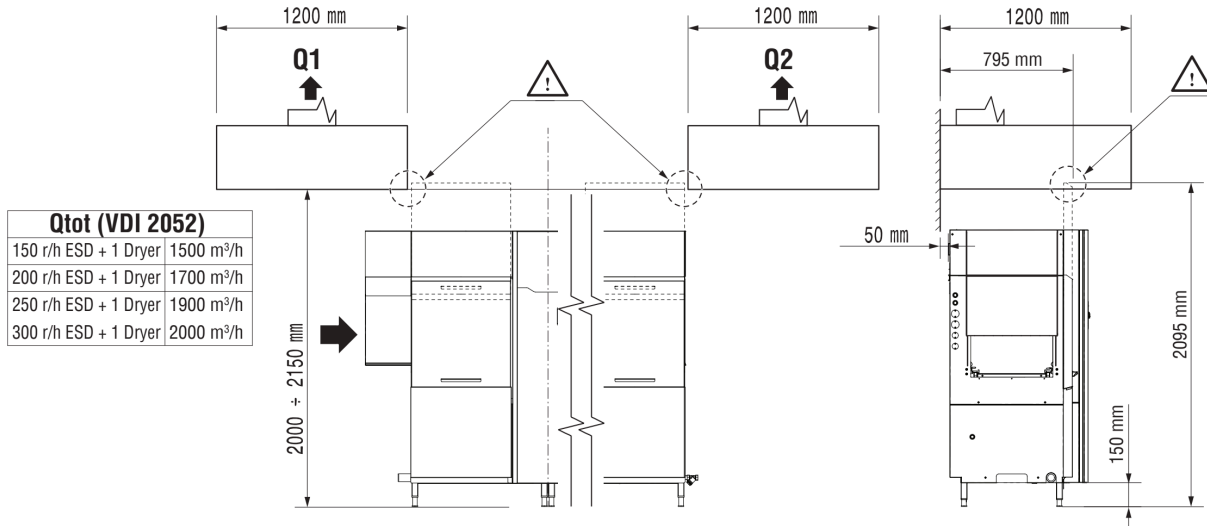
## RECOMMENDED TABLE CONNECTION



**All tables must be connected to the dishwashing units according to local regulations and industry standards which may differ from the recommendations herein suggested. Electrolux Professional is not liable for any failure in complying with local design standards.**

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EDITION 02.2017

## RECOMMENDED HOOD DESIGN OPTIONS



All exhaust hoods must be dimensioned and installed according to local regulations and industry standards which may differ from the recommendations herein suggested. Electrolux Professional is not liable for any failure in complying with local design standards.

DOC. NO. 59566NA00  
EDITION 03.2017

# Accessories

## Included Accessories

| PNC Code | Description                                                                                                                                                                             | Quantity |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 865280   | Kit splash hood for rack type with Energy Saving Device                                                                                                                                 | 1        |
| 865282   | Kit delime for rack type                                                                                                                                                                | 1        |
| 922421   | IoT module for OnE Connected (combi ovens, blast chiller/freezers, rack type DW) and Match (one IoT board per appliance - to connect oven to the blast chiller for Cook&Chill process). | 1        |

## Optional Accessories

| PNC Code                      | Description                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Connectivity</b>           |                                                                                                                                           |
| 865290                        | Kit electronic connection for motorized table and remote pre-wash module                                                                  |
| <b>Dryers</b>                 |                                                                                                                                           |
| 534056                        | Medium hot air blower zone without door for Zanussi multi-rinse Rack Type Dishwasher                                                      |
| 535036                        | Medium pre-wash zone for Zanussi multi-rinse Rack Type Dishwasher with Energy Saving Device, automatic descaling, WRAS/Watermark approval |
| 535037                        | Large pre-wash zone for Zanussi multi-rinse Rack Type Dishwasher with Energy Saving Device, automatic descaling, WRAS/Watermark approval  |
| 535038                        | Medium drying zone with door for Zanussi multi-rinse Rack Type Dishwasher                                                                 |
| <b>Handling system</b>        |                                                                                                                                           |
| 865162                        | Emergency stop kit for Rack Type Dishwasher                                                                                               |
| 865218                        | End limit switch for short roller conveyor                                                                                                |
| 865232                        | Kit to adapt motorized table with green&clean Rack Type - Europe, UK, M.E., Africa, Asia, Latin America, Oceania                          |
| 865256                        | End limit switch for long roller conveyor (kit with two short rollers and end switch)                                                     |
| <b>Installation solutions</b> |                                                                                                                                           |
| 865280                        | Kit splash hood for rack type with Energy Saving Device                                                                                   |
| 865281                        | Kit to convert pre-wash module to wash module                                                                                             |
| 865513                        | Reinforcement kit for lower washing arms and ramps for Single, Double and Multi Rinse Rack Type                                           |
| <b>Remote prewash</b>         |                                                                                                                                           |
| 510501                        | Remote prewash module, with cord conveyor                                                                                                 |
| 510502                        | Remote prewash module, machine driven - left to right                                                                                     |
| 510503                        | Remote prewash module, machine driven - right to left                                                                                     |
| 510504                        | 90° corner remote pre-wash zone with cord conveyor                                                                                        |
| <b>Water treatment</b>        |                                                                                                                                           |
| 865284                        | Kit water softener for Rack Type dishwasher                                                                                               |
| 865286                        | Kit water meter                                                                                                                           |
| 865494                        | Kit water softener and reverse osmosis for Rack Type dishwasher                                                                           |



# Accessories

| PNC Code          | Description                                                          |
|-------------------|----------------------------------------------------------------------|
| Other accessories |                                                                      |
| 865253            | Inclined extension table for roller conveyor                         |
| 865254            | Inclined extension table for splash hood                             |
| 865291            | Kit of splash panel to change on the splash hood for 90° curve table |
| 865489            | Top lateral cover instead of removed splash hood on RT with ESD      |