

*pero*



Water based  
cleaning

# ROTIMAT 3U CLEANING PLANT

SPRAY CLEANING FOR TOP REQUIREMENTS



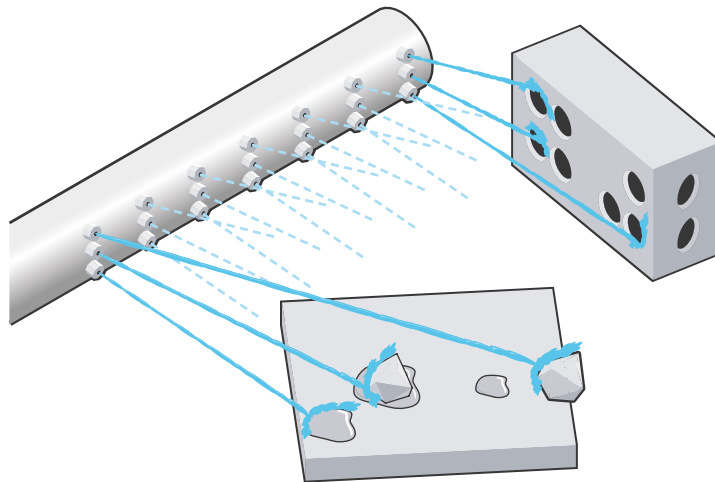
**RELIABLE AND  
ECONOMICAL**

# RELIABLE AND ECONOMICAL

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The system for cleaning parts, ROTIMAT 3U, is used universally for cleaning a wide range of parts - for light to heavy soiling, up to the high requirements for technical cleanliness.

Workpieces and components are cleaned as bulk material, placed goods or as individual parts, in the standard cleaning basket or by means of specially adapted goods carriers.



Reliable intermediate or final cleaning is achieved by efficient spray cleaning with water-based media in a slightly acidic, pH-neutral or alkaline range. By default, the ROTIMAT 3U cleaning system is equipped with two baths for cleaning or iron phosphating and rinsing - with separate pump circuits.

## UNIVERSAL & COMFORTABLE

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The TouchPanel operation offers maximum flexibility for creating individual cleaning programs.

- + Spraying in each process step with free movement of the goods is programmable
- + Status information in plain text and simple operation
- + Weekly timer for programming switch-on and switch-off times of the bath heating and the integrated automatic fresh water supply



# PROVEN & EFFICIENT

The tried-and-tested spray system acts directly on the goods and optimally cleans uneven recesses, blind holes and caverns. The high volume flow and special spray nozzles ensure efficient and reliable cleaning.

- + Designed for industrial use, as a standalone solution or integrated into the automatic production flow
- + Effective application of swiveling and rotating (interval, indexing).
- + Resource-saving drying by means of own heat energy
- + Enhanced drying unit with medium pressure blower for blowing off complex surface geometries
- + Efficient media care through double filtration in the main flow via a strainer basket and bag filter (fine filter)
- + Prepared for media maintenance with optional disc skimmer or coalescence de-oiler and for external expansion by micro- or ultrafiltration, separator or distillation



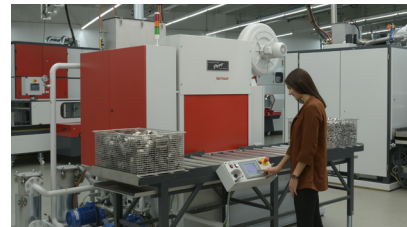
Enhanced drying unit



Cleaning in standard basket



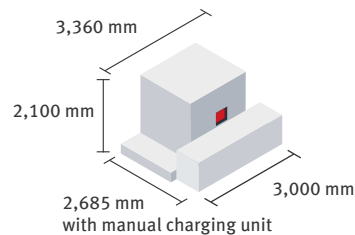
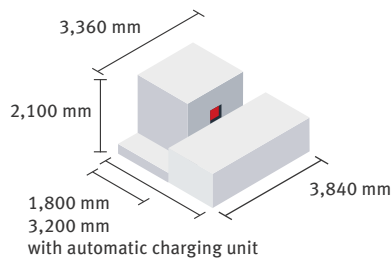
High spray capacity



Manual roller conveyor

## TECHNICAL DETAILS

### External plant dimensions



Cleaning media	
Water-based media in the acidic, pH neutral or alkaline range	
Batches / Goods carriers	
Standard external dimensions (LxWxH), max.	660 x 480 x 300 mm 2 x 480 x 320 x 200 mm
further sizes or combinations on request	
Batch weight, max.	150 kg
Height of charging unit	900 mm
Throughput	
Depending on process chosen	up to 10 batches / h

Performance data	
Connected load, approx.	60 kW (depending on scope of equipment)
Heat output	45 kW
Heating-up time of plant	Approx. 60 - 80 min
Sound level	< 75 dB (A)
Volume bath 1	500 l
Volume bath 2	550 l
Options	
i.e. de-oiler, disc skimmer, micro- / ultrafiltration, magnetic candle insert, basket clamping device, basket coding, remote maintenance, etc.	

All the data are approximate figures - Errors and omissions reserved

# COMPETENCE CENTRE

## FOR THE TECHNICAL CLEANLINESS OF COMPONENTS

More than **15 demonstration machines** available in our 1,100 square meter Competence Centre, allowing you together with our Pero engineers to develop the optimum cleaning process for your company.

### Cleaning process with

#### Water based media

- + Batch facilities for quality carriers up to 660 x 480 x 300 mm
- + Tunnel cleaning plants
- + Cleaning systems for large components up to a width of 2,100 mm and a weight of 1,500 kg

#### Solvents

- + Comparing different media
- + Testing alternative cleaning processes
- + Seeing the appropriate handling of parts

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## MAKING USE OF STRONG PERFORMANCE

- + Free cleaning tests on original dirty parts including documentation
- + Evaluations and analyses of cleanliness according to VDA 19 in **our laboratory**
- + Technological insight and valuable data for your company

Even before you have decided about the investment, assessing the profitability of the future process can be carried out. The defined technical cleanliness of the components reliably reached and maintained.

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