

*pero*



Cleaning with  
solvents

# R0 CLEANING PLANT

HIGH QUALITY CLEANING IN A COMPACT SIZE

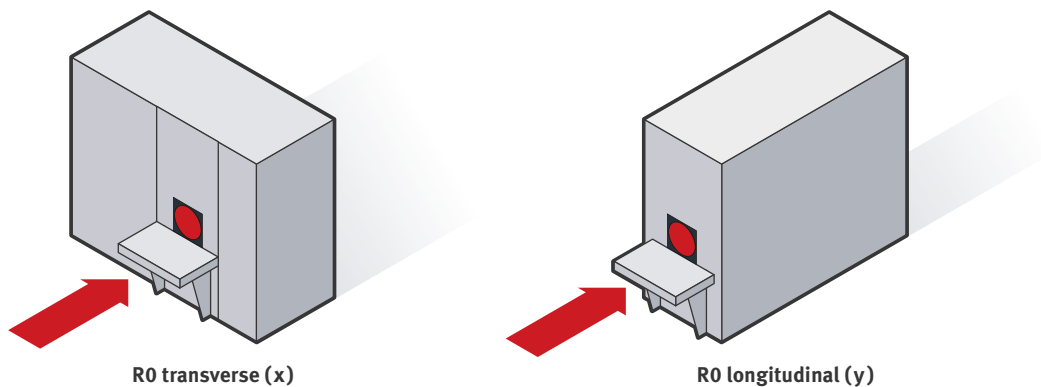


**SLIM AND STRONG**

# SLIM AND STRONG

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The R0 is designed for intermediate and final cleaning as well as reaching the technical cleanliness at the smallest parts.



The space-saving construction of the plant makes it possible to be put into rooms with door sizes from 1,000 x 2,000 mm. Two different models of the R0 series enable loading by the long or short side of the cleaning plant.

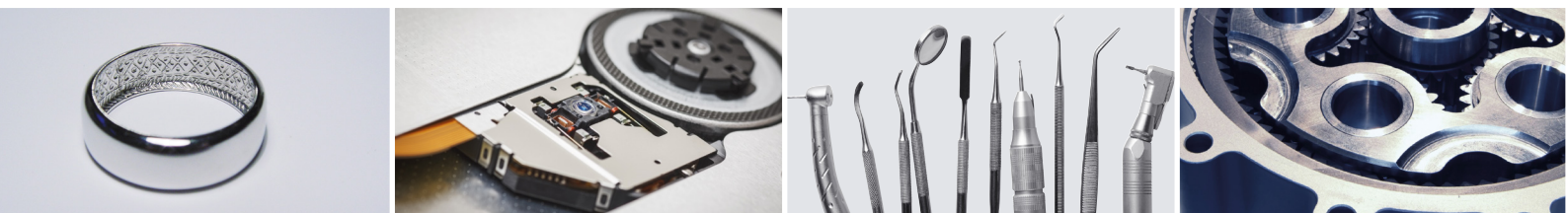
Individual parts movement during the cleaning process enables strong mechanical cleaning effects and thus perfect cleaning results. In combination with the efficient distillation unit, a high profitability results.

## COMPACT & RELIABLE

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The universal process technology offers a strong cleaning performance for all users, who need a compact design. The media care is easy and safe. This results in a high availability of the cleaning system.

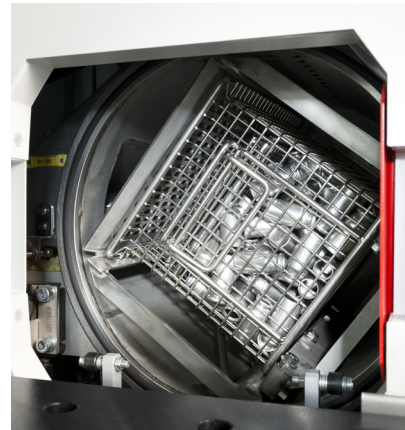
- + The high performance distillation unit steadily provides the cleaning medium in a resource-friendly way for the highest quality of continuous cleaning
- + The integrated residual distillation under vacuum separates the accumulated oils and non-filterable contaminants efficiently from the cleaning medium
- + The distillation residues are free of emissions and automatically sucked into a barrel
- + Operation under full vacuum protects the cleaning medium and minimizes solvent consumption



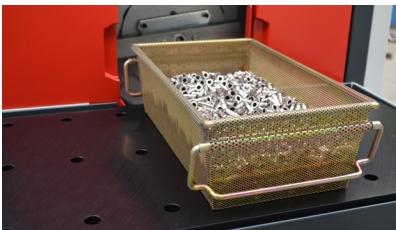
# ECOLOGICAL & ECONOMICAL

All process steps take place under full vacuum. This supports cleaning in solvents, reduces energy consumption and allows short cycle times with maximum safety.

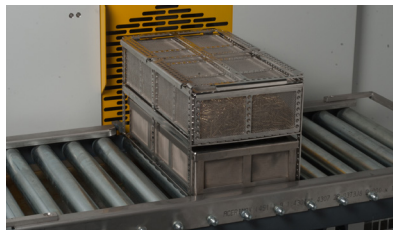
- + High degree of technical cleanliness by combining the processes of cleaning, rinsing, vapour degreasing and optional ultrasound cleaning and/or preservation against corrosion
- + Integrated maintenance programs automatically maintain the cleaning medium and filter and thus ensure high cleaning quality and availability
- + Heat output is adjustable as needed via energy manager – maximum energy efficiency
- + Future proof reliability for the Universal model: can optionally be modified easily to alternative solvents
- + Protection of staff and environment due to redundant process monitoring. Benefits of solvent used in a circuit



Focused cleaning effect due to swivelling and rotating of the goods carrier



Special goods carrier on manual charging table



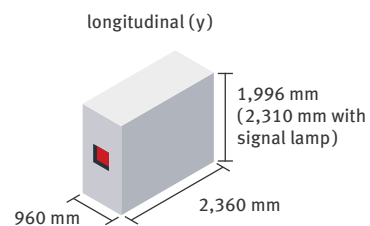
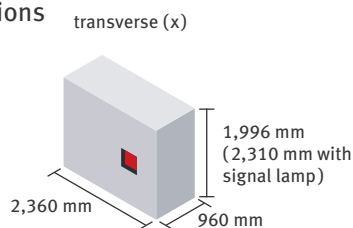
System goods carriers with fine meshes for the smallest parts



Manual roller conveyor

## TECHNICAL DETAILS

External plant dimensions



Cleaning medium	
Hydrocarbons or modified alcohols with flashpoint > 55° C; halogenated hydrocarbons; further solvents on request	
Batches / Goods carriers	
Standard external dimensions (LxWxH), max.	380 x 220 x 200 mm 410 x 245 x 130 mm (Novel)
further sizes or combinations on request	
Batch weight, max.	50 kg
Height of charging unit	810 mm
Throughput	
Depending on process chosen	up to 14 batches / h with a max. of 35 kg steel

Performance data	
Connected load, approx.	10 – 16 kW
Heat output	2.1 / 4.2 / 6.3 kW, selectable (energy manager)
Heating-up time of plant	ca. 60 – 80 min
Sound level	< 75 dB(A)
Solvent volume 1-bath	80 l
Solvent volume 2-bath	125 l
Options	
e.g. ultrasound, remote maintenance, preservation bath, 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

## 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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