

pero



Water based
cleaning

NEPTUN CLEANING PLANT

HIGH PERFORMANCE SPRAY CLEANING



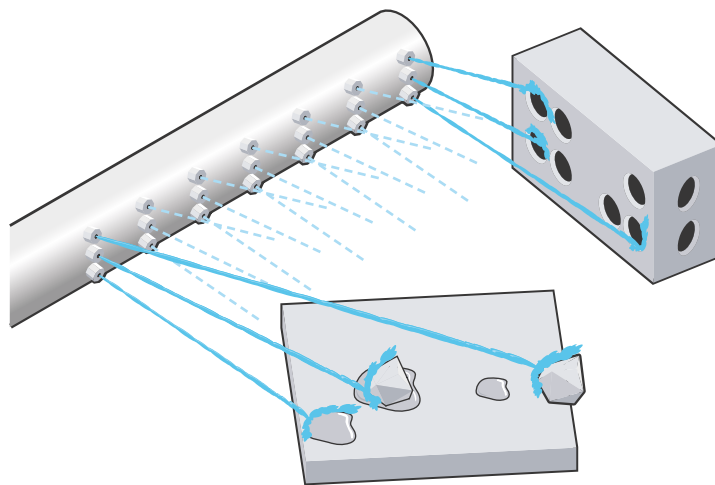
**EFFICIENT AND
FLEXIBLE**

Exemplary illustration

EFFICIENT AND FLEXIBLE

The system for cleaning parts, NEPTUN, 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 NEPTUN cleaning system is equipped with two baths for cleaning or iron phosphating and rinsing - with separate pump circuits.

UNIVERSAL & COMFORTABLE

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

- + Spraying in each process step with free movement of the goods is programmable
- + Clear user interface, clear symbols and clear process visualization
- + Weekly timer for programming switch-on and switch-off times of the bath heating and the integrated automatic fresh water supply
- + Simple system maintenance through all-round paneling - compact design, easy to maintain



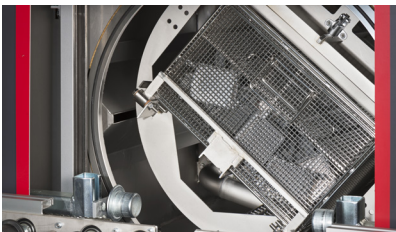
PROVEN & RELIABLE

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



De-oiler & fine filter integrated in the housing



Program specific movement of goods



High spray capacity

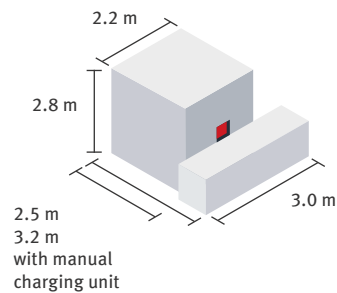
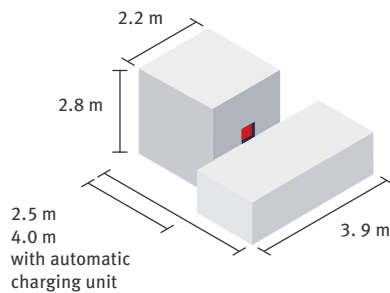


Automatic loading

TECHNICAL DETAILS

External plant dimensions

Compact design - all-round paneling



Cleaning media	
Water-based media in the acidic, pH neutral or alkaline range	
Batches / Goods carriers	
Standard external dimensions (LxWxH), max.	660x480x400 mm 4x480x320x200 mm
Further sizes or combinations on request	
Batch weight, max.	150 kg
Height of charging unit	approx. 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, drying unit	approx. 10 kW
Heating-up time of plant	approx. 60 – 120 min
Sound level	< 75 dB(A)
Volume bath 1 Volume bath 2	500 l 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

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.

PERO AG
Hunnenstraße 18
D-86343 Königsbrunn

Fon: +49 (0)8231 6011-0
Fax: +49 (0)8231 6011-810
pero.info@pero.ag
www.pero.ag

