

pero

S1

Industrial parts cleaning machine with solvents



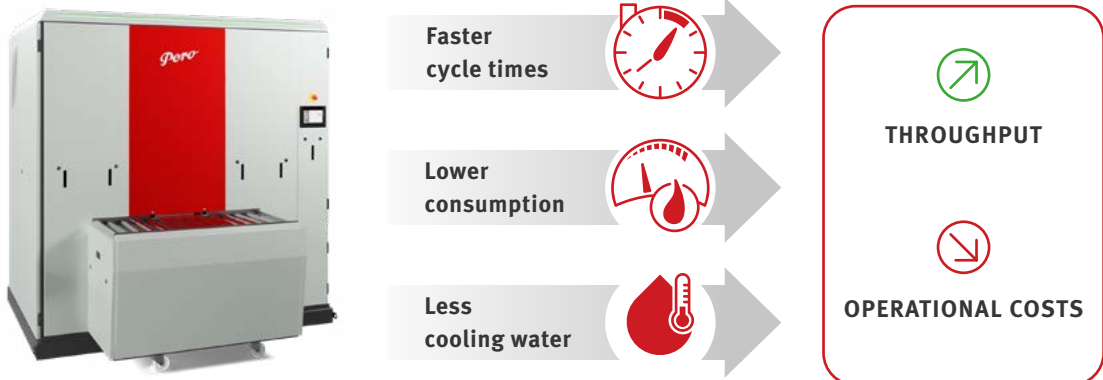
Budget-friendly and efficient

S1 BUDGET-FRIENDLY AND EFFICIENT

The compact S1 degreases and cleans parts made from various materials and of many different geometries.

SETTING NEW STANDARDS IN ITS CLASS

The S1 sets new standards for resource consumption, solvent treatment and the automated control of processes within the machine.



FEATURES & STRENGTHS

In addition to high machine availability, the S1 impresses with its remarkably high reliability.

STRONG

- **High throughput** | up to 12 batches per hour
- **High-quality construction** | use of ruable brand components
- **High water input** | input of water e.g. emulsion possible (automatic water ejection)

FAST

- **Fast media treatment** | residual distillation in 35 - 40 minutes and filter drying in 20 minutes

ECONOMICAL

- **Low solvent consumption** | only 0.007 - 0.025 oz / batch
- **Extreme energy saving** | cooling water consumption 0.66 - 1.72 gal / minute, 13 kW heating power, energy saving mode
- **Small footprint** | integrated activated carbon cartridge

SMART

- **Intelligent Software** | automated process sequence control and optimised fault detection
- **Flexible application** | small amount of cooling water, also possible to use at elevated temperatures

SERIES

- **Standardized manufacturing** | proven and tested quality standards

STYLE

- **Modern design** | compact and attractive design with LED signal band



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.

- Technical cleanliness thanks to combined **cleaning, rinsing and vapour-degreasing processes**
Optional: ultrasound cleaning
- **Small footprint**
- **Maximal energy efficiency:** heating output controlled by Energy Manager
- **Future-proof** thanks to operation with hydrocarbons or modified alcohols
- Redundant process monitoring combined with fire and explosion protection equipment **protects humans and the environment**



Cleaning parts in perforated metal crate



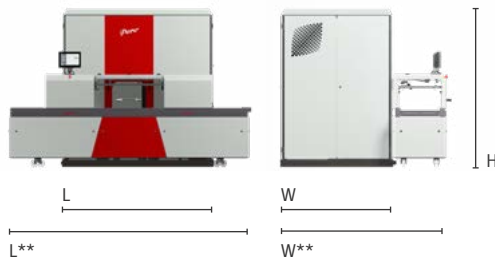
Exhaust air filtration in activated carbon module requiring no additional space



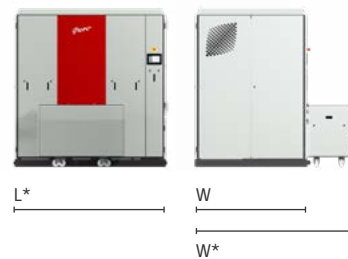
User-friendly control interface

TECHNICAL DETAILS – S1

External machine dimensions



** automatic charging unit



* manual charging unit

S1

H	86.6 in
L / L*	86.6 in
L**	133.9 in
W	63.0 in
W*	90.6 in
W**	102.4 in

CLEANING MEDIUM

Hydrocarbons or modified alcohols with flashpoint > 131 °F

BATCHES / GOODS CARRIERS

Standard-external dimensions (L x W x H), max.
 1 x 20.87 x 14.37 x 9.84 in or
 1 x 20.87 x 12.60 x 11.81 in

further sizes or combinations on request

Batch weight, max. 176 lbs

Height of charging unit approx. 29.53–37.40 in (depending on height of cleaning batch and charging method)

THROUGHPUT

Depending on chosen process up to 12 batches / h with a max. 77 lbs steel

PERFORMANCE DATA

Connected load approx. 19–25 kW

Heat output 13,2 kW, selectable (energy manager)

Heating-up time of machine approx. 60 min

Sound level < 75 dB (A)

Solvent volume 1-bath 49 gal

OPTIONS

e.g. ultrasound, remote maintenance, etc.

All specifications are approximate values and may vary depending on equipment – errors and omissions excepted



FOCUSED ON OUTCOMES

At our Centre of Competence in Königsbrunn, we assist you in finding the best cleaning solution for your specific needs.

More than 15 water- and solvent-based test machines are available in an area of 10,764 ft². We design optimised cleaning methods and programs that meet your needs by performing test runs with your own dirty parts.

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.



MAKING USE OF STRONG PERFORMANCE

- Cleaning tests free of charge, using parts provided by the customer; including documentation
- Evaluations and analyses of cleanliness according to VDA 19 in our laboratory

Contact us for advice:
en.pero.ag/contact-to-pero

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RELIABILITY YOU CAN BANK ON



Safe and reliable

High-precision production and spare parts service



Quality made in Germany

80% vertical range of manufacture in Germany



Worldwide sales and service

Global network of certified service partners

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