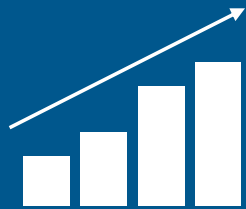


Energy- efficient multi-user systems

Industrial high-pressure cleaning machines for most diverse applications that save energy and water in continuous operation and therefore almost amortize themselves.

SINCE 1945



CONTINUOUS GROWTH

MOR
E
THAN



EURO TURNOVER



MORE THAN 17%
TRAINING RATE

sera
OF COMPANIES

GROUP

2 PLANT LOCATIONS
IN IMMENHAUSEN



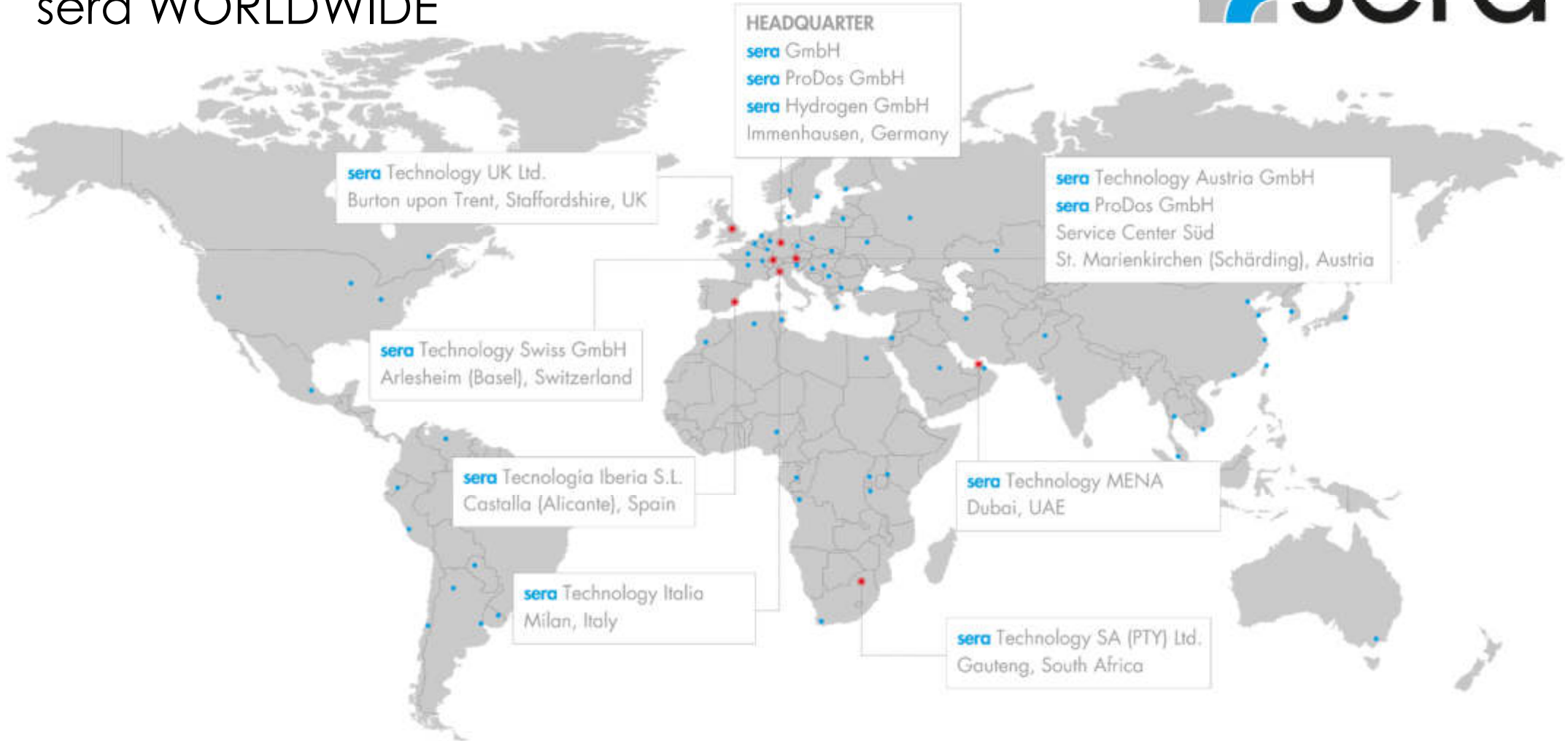
OVER 300 EMPLOYEES
WORLDWIDE

1 Group



WITH 9 COMPANIES

sera WORLDWIDE



PRODUCTS AND AREAS OF APPLICATION



COMPRESSORS



DOSING PUMPS
AND SYSTEMS



INDUSTRIAL
CLEANING
TECHNOLOGY

PRODUCTS AND AREAS OF APPLICATION



COMPRESSORS

Enables the compression and feeding of gases, especially high purity gases free of oil, contamination and leakage. Compression means to reduce the volume of a gas.



PRODUCTS AND AREAS OF APPLICATION



DOSING PUMPS AND SYSTEMS

Enables liquids to be dosed and conveyed in specified quantities (water, syrup, liquid chemicals).

Usually driven by an electric motor, an electromagnet or by compressed air.



PRODUCTS AND AREAS OF APPLICATION



INDUSTRIAL CLEANING TECHNOLOGY

The high-pressure technology we provide covers a wide range of applications. With our high-pressure units, we can provide the ideal customised solution.



PRODUCTS AND AREAS OF APPLICATION



INDUSTRIAL CLEANING TECHNOLOGY

The high-pressure technology we provide covers a wide range of applications. With our high-pressure units, we can provide the ideal customised solution.



Profile cleaning (mechanical engineering)
Rills

Internal tank cleaning/external cleaning
Label removal for food companies

Pipe exterior cleaning (metal construction)
Construction industry

INDUSTRIAL CLEANING TECHNOLOGY



HIGH PRESSURE CLEANER STATIONARY OR MOBILE CUSTOMISED SOLUTIONS

The stationary (HPCcenter) and mobile (HPCmove) high-pressure cleaners are designed for commercial use. The high-pressure cleaners in their compact design are particularly space-saving and, with the integrated electrical control unit, are completely ready for connection, a cable (3m) and a standard plug (16 A CEE). They can be operated with fresh or with process water.

ADVANTAGES

- Standardised pre-wash units
- Compact design
- Integrated control unit
- Suitable for fresh and process water





MULTI-USER CLEANING SYSTEMS CUSTOMISED SOLUTIONS

The complete system from sera is suitable for the continuous industrial use of several hand lances, tank wash heads or other consumers in the high-pressure range up to 250 bar.

- 1 Pressure-dependent demand control
- 2 Pump units
- 3 Frequency converter
- 4 IE4 motors

INDUSTRIAL CLEANING TECHNOLOGY



TRANSPORT CONTAINER CLEANING CUSTOMISED SOLUTIONS

sera offers customised solutions for the semi-automatic external and internal cleaning of transport containers made of metal or plastic. The high-pressure units are customised according to the purity requirements and the transported medium.

AREAS OF APPLICATION

- Chemical production
- Food production
- Logistics company for chemicals and food



INDUSTRIAL CLEANING TECHNOLOGY



CONTAINER AND TANK CLEANING CUSTOMISED SOLUTIONS

Here, the combination of individually combinable high-pressure units with the tank washing heads suitable for the respective requirements offers an all-in-one solution for a wide range of applications.

AREAS OF APPLICATION

- Cleaning the inside of tanks (lorries and trains)
- Container cleaning
- Food and beverage industry
- Pharmaceutical and chemical industry
- Waste management

ADVANTAGES

- Better cleaning result
- Reduced cleaning time
- Reduced water consumption
- Reduced use of chemicals



INDUSTRIAL CLEANING TECHNOLOGY



CONTINUOUS
OPERATION IS
OUR STANDARD!



OPERATING POINT DETERMINATION

sera technicians determine the operating point and establish which amount of water and which pressure are really necessary to dissolve dirt and deliver a satisfactory result. Determining the operating point is the basis on which every customised complete system is designed.

CONTINUOUS OPERATION IS OUR STANDARD

From the planning and commissioning of systems to a fast and uncomplicated worldwide device replacement service, sera offers support in all project phases.

PRE- AND AFTER-SALES-SERVICE





 **sera**
EXCELLENCE IN FLUID TECHNOLOGY



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