

Industrial Cleaning Technology



Cleaning. Filtration. Automation.



Ecoclean

Customer Benefit through Cleaning Expertise at the highest Standard.

With maximum efficiency, environmental protection and industrial safety Dürr Ecoclean® repeatedly sets new standards in the cleaning of industrial parts. Continuous product innovation and collaboration with customers in a spirit of partnership make our all-in-one solutions worthwhile investments – systems for virtually all types of cleaning tasks in industrial production.



Cleaning Parts – an Integral Component of Modern Production Processes.

Owing to the constantly increasing requirements in terms of efficiency, quality and environmental protection the cleaning of industrial parts has become absolutely essential in modern manufacturing processes. It paves the way for smooth production sequences: As an intermediate cleaning process in multi-stage parts machining, simple degreasing or chip removal tasks, or high-quality fine/very fine cleaning as a preliminary stage to coating or assembly processes. The main factors determining the type of cleaning process to be used and the necessary cleaning system are the nature of the part, the material, the state of machining, degree of soiling and the required level of cleaning.

Environmental Protection due to Closed Cycles

Dürr Ecoclean® cleaning systems are all-in-one solutions. Apart from the cleaning job proper the cleaning media are prepared continuously via integrated treatment and disposal modules; in the case of chlorinated hydrocarbon plants, vapours containing solvent are completely retained in the system by means of a patented Process Air Flow Displacement. Irrespective of the type of cleaning medium, consistent quality, maximum environmental protection and industrial safety are guaranteed. The cost of energy, cleaning chemicals and their disposal are considerably reduced.

Service: Customer Benefit through Expertise

We believe service means a continuous dialogue with our customers. From the first cleaning test and commissioning through to preventive maintenance and servicing Dürr Ecoclean® engineers are always in touch with the customers' specialised departments. As far as we are concerned, seminars and training sessions are just as much a part of the service as planning and engineering. Consequently, within a short space of time solutions are worked out which are characterised by excellent quality and availability.

Compact Standard Equipment – Customised System Solution

The Ecoclean® range of cleaning equipment provides systems for virtually all types of cleaning job in industrial production for parts made of metal, plastic and glass; from tiny parts just a millimetre in size to bulky components with complex geometries. Standardised, compact batch production systems and processes – as can be found not only in small facilities with comparatively low throughput demands but also in large operations with decentralised cleaning islands – form the basis for working out customised system solutions, as may be necessary, for instance, on account of special throughput requirements, batch sizes or parts geometry.



Universal 81S

(basket size 670x480x300 mm)
 Universal cleaning system for chlorinated solvents; immersion, vapour degreasing, vacuum drying and distillation; exhaust air-free due to Process Air Flow Displacement

Universal 81C

(basket size 670 x 480 x 300 mm)
 Universal cleaning system for non-halogenated hydrocarbons; cleaning and drying by vacuum



Compact 80S

(basket size 530x320x200 mm)
 Universal cleaning system for chlorinated solvents; immersion, vapour degreasing, vacuum drying and distillation; exhaust air-free due to Process Air Flow Displacement

Compact 80C

(basket size 530x320x200 mm)
 Compact cleaning system for non-halogenated hydrocarbons; cleaning and drying by vacuum



Minio 85C

(basket size 320–370 x 220 x 150–200 mm)
 Compact cleaning system for nonhalogenated hydrocarbons; cleaning and drying by vacuum



Universal 81W

(basket size 670 x 480 x 300 mm)
 Single-chamber immersion cleaning system for aqueous media; two-stage cleaning process with hot-air drying; waste water-free due to integrated Aquaclean system



Mega 86W

(basket size 670 x 480 x 300 mm)
 Multi-chamber immersion cleaning system for aqueous media, specially for high throughputs and/or high cleaning quality (ultra-fine cleaning); waste water-free due to integrated Aquaclean system



EcoCBelt

(Component size 600 x 300–600 x 200–450 mm)
 Individually adaptable, short delivery times, cost-effective: the *EcoCBelt* cleaning system is distinguished by its concept that provides simple and flexible solutions – both, during purchasing and later when in use



EcoCSpeed

(Load size 370x220x200 mm, individually adaptable)
 Inline-cleaning system for individual pieces, cleaning of complex geometrical workpieces during the manufacturing cycle using non-halogenated hydrocarbon



Compact 80P

(basket size 400–530 x 320–365 x 200 mm)
 Solvent system for polar and nonpolar contamination

Our Service Package for you:

Ecoclean® Center, Ecoclean® Training, Ecoclean® System Service



The Ecoclean® Centre: Development and Training under Production Conditions

Only under production conditions can optimum cleaning processes be developed. With the Ecoclean® Centre and its integrated laboratory Dürr Ecoclean® is ideally positioned to provide the optimisation process with targeted support through laboratory analyses.

Together with our customers, cleaning processes are tested and optimised using genuine soiled parts. By relating to actual tasks the centre succeeds in developing really innovative system solutions – for the benefit of customers.

At the same time practical training for operators and maintenance personnel creates the theoretical basis for handling the equipment properly later on. That makes things easier for people, protects the equipment and ensures that the systems have a long service life.

As a system supplier with operations all over the world Dürr Ecoclean® provides professional, global, usually local service with the aid of state-of-the-art technologies and committed staff.



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