

Painting excellence for every surface

Application Technology



Bringing your surface to perfection

Finishing and coating at the highest level

Continuous innovation and global presence make Dürr a leading supplier of application technology for industrial painting.



SCALABILITY



INTERNATIONAL



SERVICES



COMPLEXITY



PRECISION



QUALITY

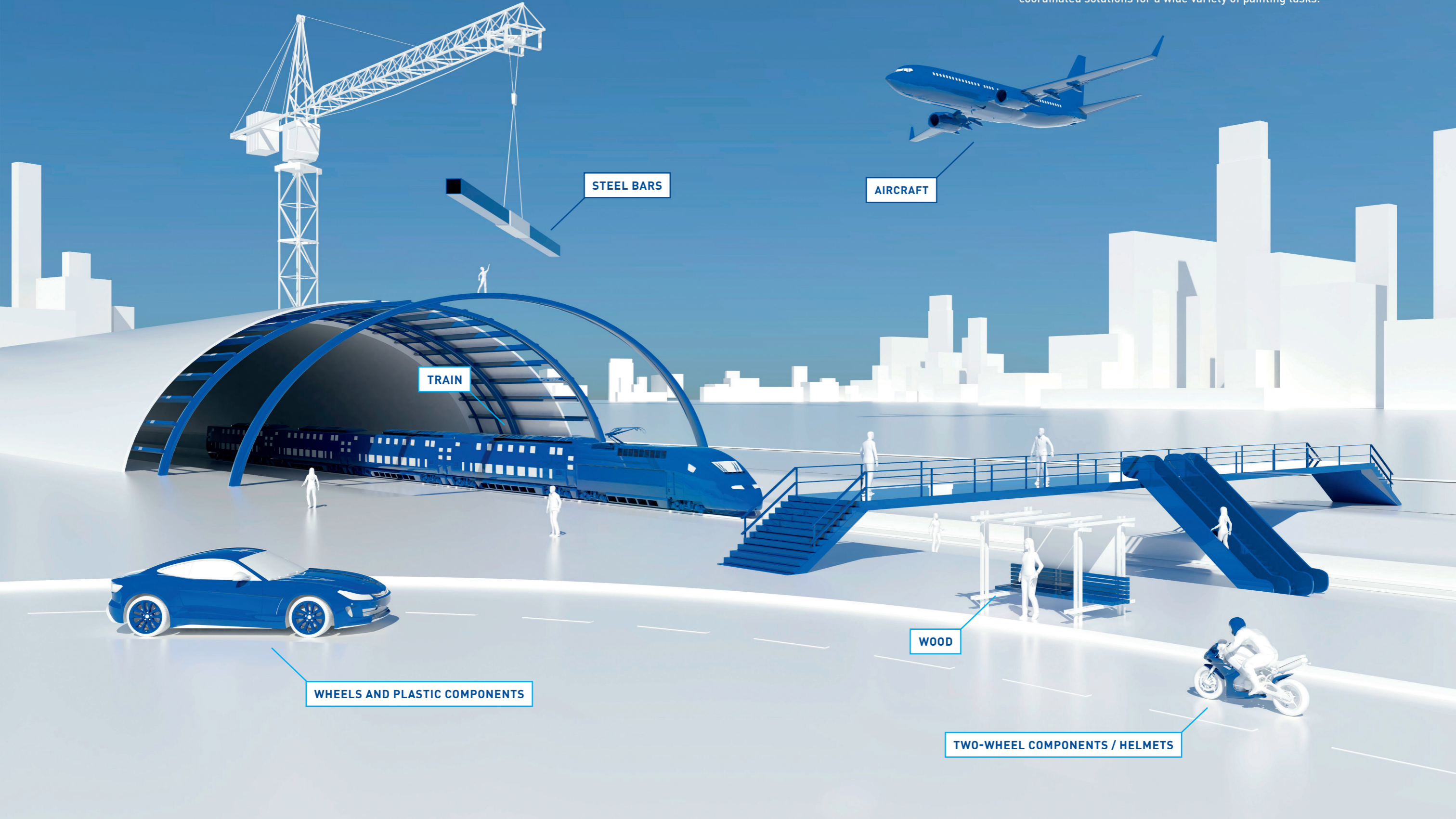
Dürr offers solutions for all steps of the wet application process, including solvent and water-based paints for 1K, 2K and 3K coating systems, interface management and control, and paint supply and application technology.

Our portfolio includes complete solutions where the customer only needs to connect compressed air, electricity, and the paint system. In addition to complete solutions, we offer standard catalogue products. All components can be viewed and ordered online via our webshop.



Suitable for all industries where functional and decorative painting matter

The markets we serve are as diverse as the coating solutions offered, ranging from consumer electronics and semiconductors to marine, glass, ceramics, and many more. Whether it's manual stations with paint spray guns or fully automated robot systems, Dürr supplies pre-installed and coordinated solutions for a wide variety of painting tasks.



STEEL BARS

AIRCRAFT

TRAIN

WOOD

WHEELS AND PLASTIC COMPONENTS

TWO-WHEEL COMPONENTS / HELMETS

Fluid handling and spray equipment

From a single product to an automated paint application

Dürr has everything necessary for conveying and applying fluids. Our ready2integrate solutions merge these products into sets to significantly improve ramp-up time, lower project risks, and ease integration.

Dürr supplies pre-constructed and pre-installed systems with spray guns or fully automatic systems for a wide range of painting processes.

ready2integrate: Paint recovery, ring pipe supply, and application sets for third party robots are just three examples of our ready2integrate family. They are all pre-engineered but delivered as single products, providing the flexibility to mount them as desired.

PUMPS AND FLUID HANDLING

Reliable paint supply for all kinds of jobs

- Products for any kind of paint delivery demand e.g. piston pumps, diaphragm pumps, filters, ink pressure regulators, agitators, and pressure vessels
- Can be ordered as a completely assembled color dosing and color change system on a fluid board
- Available as a small supply system **EcoSupply2 Core** or **EcoSupply P Core** with pig technology

DOSING UNITS

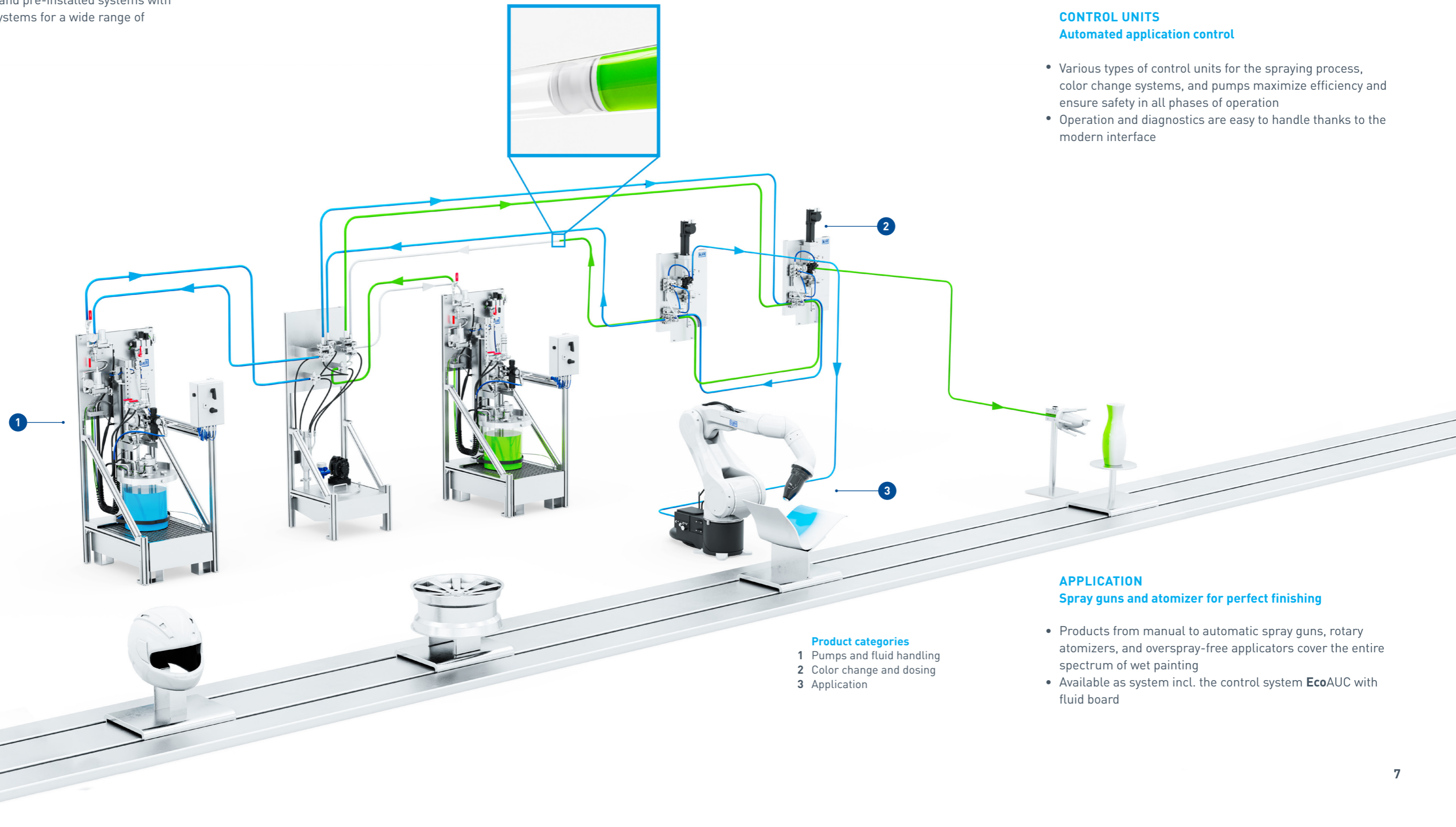
Precise dispensing and color changing

- Can be used in manual and automatic processes
- Optimized for quick color changes and easy flushing
- Fluids are measured consistently and precisely
- Typical fluids handled are 1K, 2K or 3K materials, water and solvent-based paints, varnishes, lacquers, and monolayer paints

CONTROL UNITS

Automated application control

- Various types of control units for the spraying process, color change systems, and pumps maximize efficiency and ensure safety in all phases of operation
- Operation and diagnostics are easy to handle thanks to the modern interface



Product categories

- 1 Pumps and fluid handling
- 2 Color change and dosing
- 3 Application

APPLICATION

Spray guns and atomizer for perfect finishing

- Products from manual to automatic spray guns, rotary atomizers, and overspray-free applicators cover the entire spectrum of wet painting
- Available as system incl. the control system **EcoAUC** with fluid board

Best practice

Our products are easy to integrate and versatile



PAINTING AIRCRAFT COMPONENTS

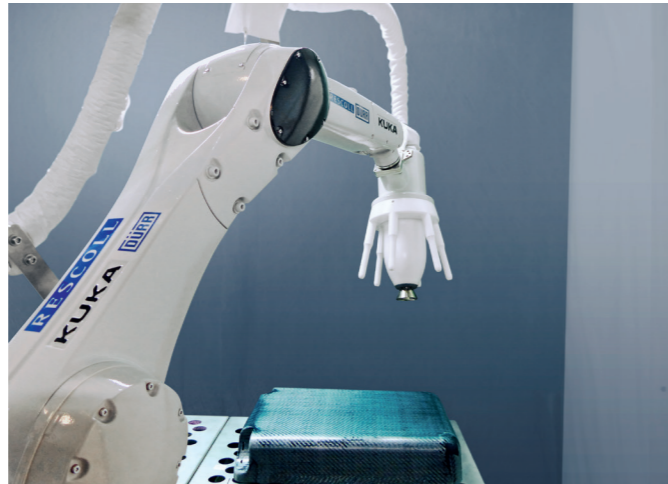
A Dürr painting robot is testing new painting technologies for the aircraft industry. The test laboratory for aircraft body parts is the perfect choice for performing tests due to its compact size and adaptability.

Scope of Supply:

- **EcoBell2 EC** rotating atomizer: The robot and high-speed rotating atomizer assembly provides impressive repeatability and path accuracy. The paint can be charged with high voltage, enabling the highest transfer efficiency rates.
- **EcoRP 10 R1100** painting robot: The painting robot features parts for one and two-component paints that are water and solvent-based for high and low-pressure application.

Paint supply on fluid board incl.:

- **Dosing pump:** EcoPump9 GW 20 for short color change times and rapid purge durations
- **Color changer:** EcoMCC3 20 for up to 10 colors
- **Pressure regulators:** EcoFlow LPF supply regulators for low-pressure applications



PAINTING HELMETS

A Dürr painting robot can coat full-face helmets in more than 20 different base colors on one line. The coating protects the plastic helmet from UV rays, which can make the material brittle and porous.

Scope of Supply:

- **EcoBell2:** Application efficiency is significantly better than that of manual painting thanks to the high-speed rotary atomizer.
- **EcoRP 10 R1100 painting robot:** Dürr's compact robot is suitable for a wide range of painting tasks outside the automotive industry. That means our customers can expect increased process reliability, reduced paint consumption, and better health and safety.
- **Color mixing system:** The continuous two-component mixing system reduces paint consumption by up to 30%.



PAINTING FURNITURE AND BUILDING COMPONENTS

Dürr spray guns and pumps are integral to the automated spray coating machine used by machine manufacturer HOMAG. They are key components for the automated painting of furniture, doors, stair components, and interior fittings. The automated spray coating machines in the SPRAYTEQ series feature a single oscillating arm for four spray guns that apply the water and solvent-based paints. Workpieces are transported by a vacuum conveyor belt covered with paper.

Scope of Supply:

- **Air-Assist spray gun:** The Dürr **EcoGun AA** is an automatic, air-assisted spray gun for material pressures up to 250 bar.
- **Airless spray gun:** The Dürr **EcoGun AL** is an automatic, airless spray gun for material pressures up to 300 bar.
- **Airspray spray gun:** The Dürr **EcoGun AS** is an automatic air spray gun for material pressures up to 6 bar.
- **Low-pressure pump:** The Dürr **EcoPump AD** is an air-operated diaphragm pump. It is typically used to pump oil as well as water and solvent-based paints.
- **High-pressure pump:** The Dürr **EcoPump VP** is an air-operated vertical piston pump for medium to high-pressure applications.

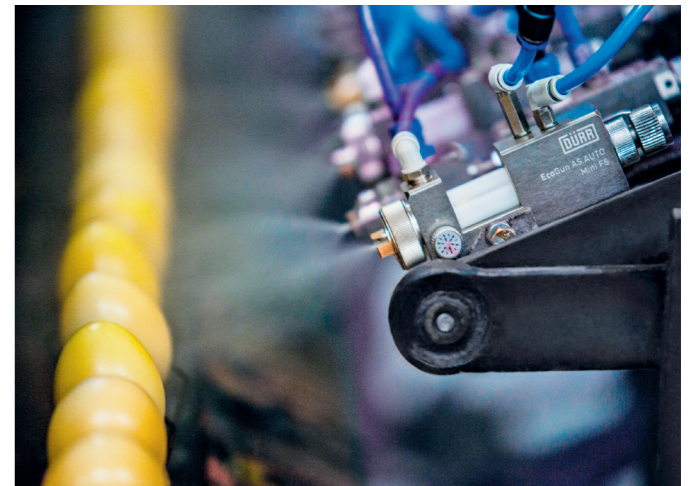
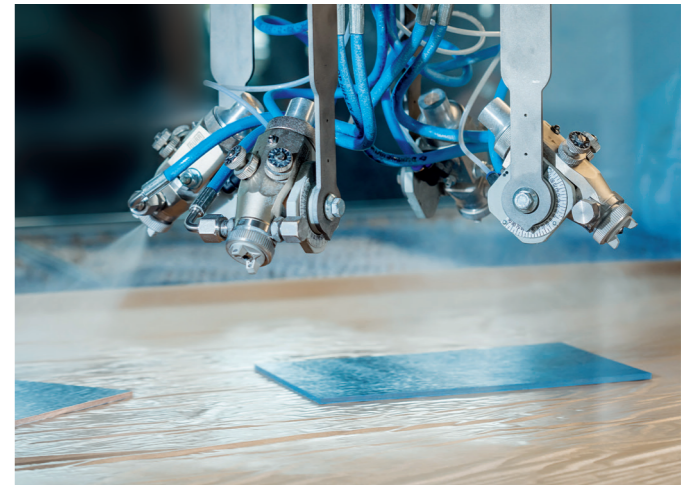


PAINTING SMALL PARTS

Dürr spray guns are used in the food industry to coat Easter eggs. The eggs are positioned vertically on small spindles as they are sprayed with colored paint. The eggs pass automatically in front of a rig with 30 spray guns and are spun around while an air atomizer sprays them with eggshell paint made of natural resin, alcohol, and food coloring. The stroke frequency used for this process is very high.

Scope of Supply:

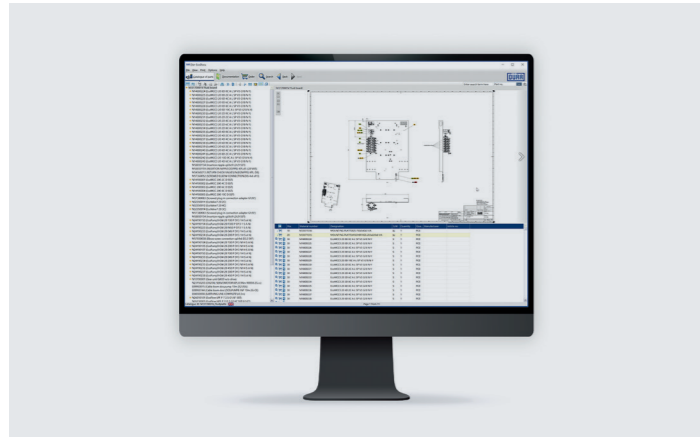
- **EcoGun AS Auto Mini FS** spray gun: Creates a perfect spray pattern on the smallest of surfaces. It can reliably work on short cycles without becoming misadjusted thanks to its rapid switching pulse.



WHERE TO BUY?

All products can be obtained from our distributor network. Contact us to locate your nearest Dürr industrial product supplier.

Product expertise meets innovation

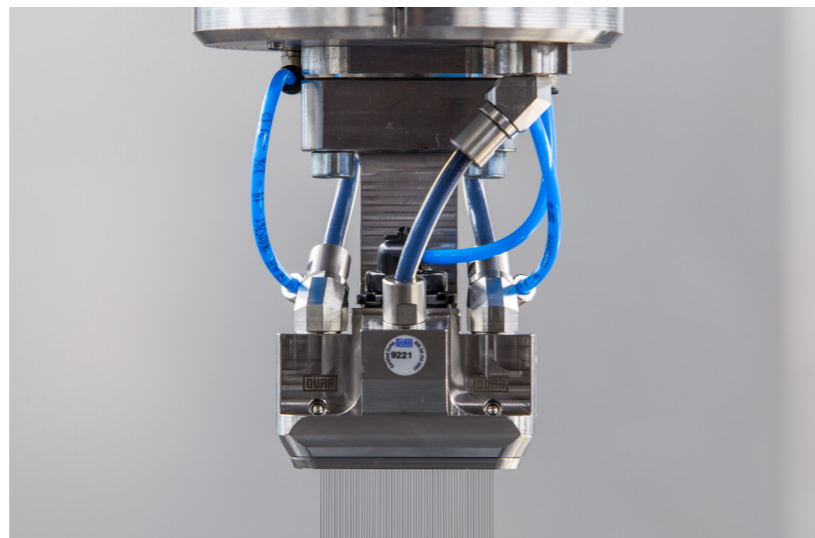


PRODUCT INFORMATION DATABASE

EcoDocu is a multilingual technical documentation software for Dürr products. It gives you quick access to all relevant product information. It is not limited to the documentation of a single product, but integrates several products into one user interface and one database. All available manuals for the assemblies, as well as spare parts lists and certificates, are included.

OVERSPRAY-FREE PAINT APPLICATION

Our **EcoPaintJet** is one of the most innovative developments ever made in the paint industry. Unlike spray guns and bells, the **EcoPaintJet** does not atomize the paint, but creates constant streams of paint. This increases the transfer efficiency to 100%, or in other words, there is 0% overspray. As a result, air filter pollution is significantly reduced, saving on operating costs. Additionally, the spray pattern created by the **EcoPaintJet** is razor sharp. This allows the **EcoPaintJet** to paint stripes or other types of simple patterns without masking.



EFFICIENT PAINT SUPPLY

The **EcoSupply P Core** is a modular paint supply system based on pigging technology. This paint supply method has already proved beneficial in the automotive painting world, but Dürr has gone one step further and enhanced it for use in other industries. The **EcoSupply P Core** is adaptable wherever different paint colors are applied in small quantities, such as in the construction, wood-working, or automotive supplier industries. This system efficiently recovers unused paint, minimizing rinsing agent consumption and speeding up color changes.

Your partner for successful production

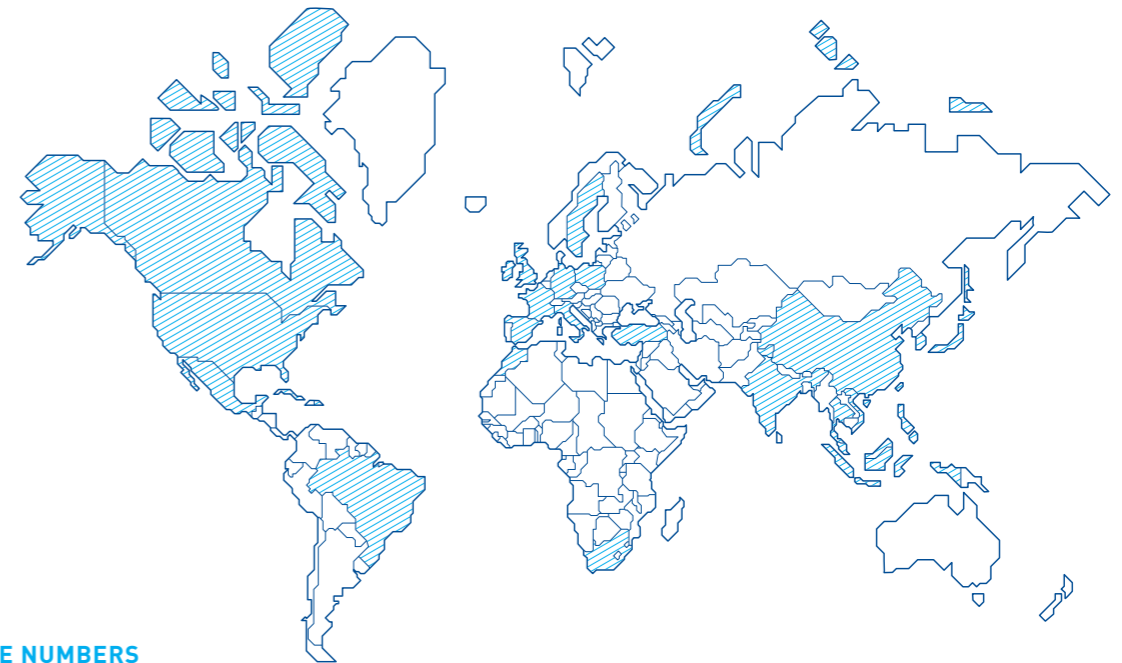
Dürr's customer service offers support around the world. Dürr is always on-site to help to reduce production costs, increase plant availability, and guarantee rapid technical support.

OUR SERVICE AT YOUR DEMAND



- [Ramp-up and launch management](#)
- [Modifications and upgrades](#)
- [Engineering with experience](#)
- [Spare parts service](#)
- [Inspection and maintenance](#)
- [Service locations all over the world](#)

Anytime and worldwide



HOTLINE NUMBERS

EUROPE, AFRICA, INDIA
German, English
+49 7142 78 2550

INDONESIA
Bahasa Indonesia, English
+62 811 878 5757

SOUTH KOREA
Korean
+82 1670 9971

NORTH AMERICA, AUSTRALIA
English
+1 248 803 0303

MALAYSIA
Bahasa Malaysia, English
+60 12 688 6843

JAPAN
Japanese
+81 47 404 6802

SOUTH AMERICA
Portuguese, Spanish
+55 11 5631 8236

MEXICO
Spanish, English
+52 442 410 3230

CHINA
Chinese, English
+86 21 5106 1099

THAILAND
Thai, English
+66 98 246 8994

LEADING IN PRODUCTION EFFICIENCY



Subject to change. The information in this brochure contains only general descriptions or performance characteristics which may vary in actual cases. The requested performance parameters shall be binding only if they are explicitly agreed within the sales contract. © Dürr 2024