

A close-up photograph of a robotic spray gun painting a car wheel. The spray gun is black and metallic, with a fine mist of paint being applied to the wheel's surface. The wheel is silver and has a multi-spoke design. The background is dark, making the spray gun and the wheel stand out.

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



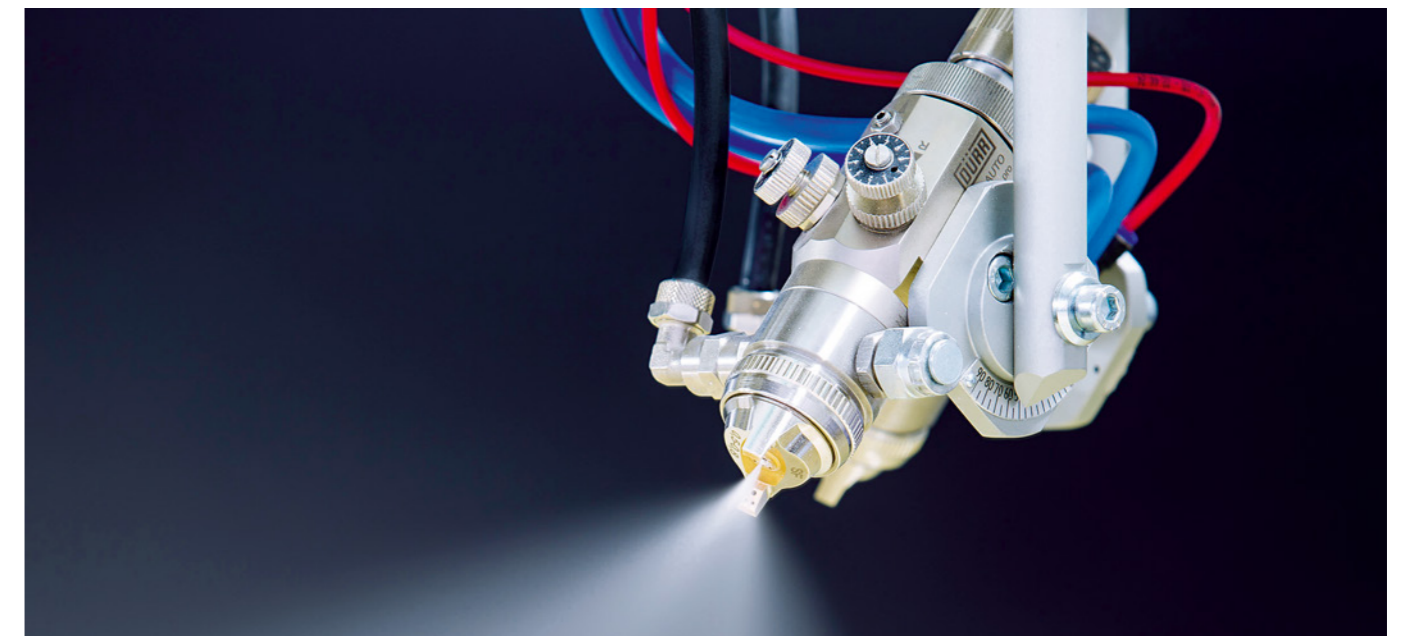
PRECISION



QUALITY

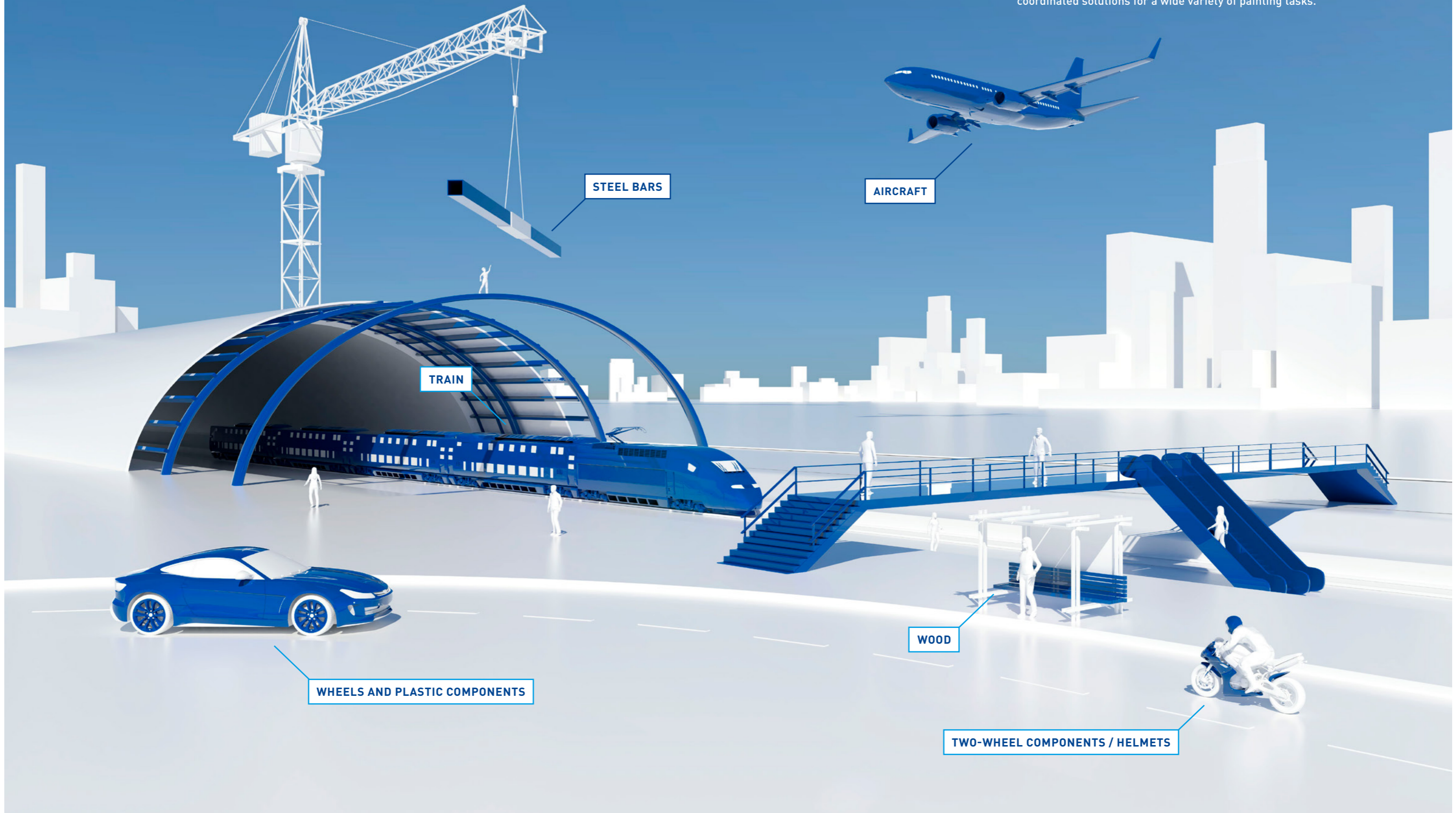
Dürr offers solutions for all process steps of wet application, including solvent and water-based paints for 1K, 2K and 3K coating systems, interface management and control, and paint supply and application technology.

The portfolio includes complete solutions where the customer only needs to connect compressed air, electricity and the paint system. Besides 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 are as diverse as the coating solutions offered, from consumer electronics and semiconductors to marine, glass, ceramics and many more. Whether its 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.



Fluid handling and spray equipment

From a single product to an automated paint application

Dürr has all the products in its portfolio necessary for conveying and applying fluids. Our ready2spray and ready2integrate solutions merge these products into sets to significantly improve ramp-up time, lower project risks and ease integration.

ready2spray: Whether its manual stations with paint spray guns or fully automatic robot systems, Dürr supplies pre-engineered and pre-installed systems for a wide variety of painting tasks.

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 which provides 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, pressure vessels
- Available as a Small Supply System or as a modular ready2integrate system

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

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 ready2spray system incl. the control system **EcoAUC** with fluid board

MANIPULATORS Flexible automated painting

- Used in robot painting stations for automatic surface coating of bodies and built-on parts in production line for bell and gun applications
- Products like **EcoRP 10 R1100** come with paint application technology for 1K and 2K applications, high and low pressure as well as water and solvent-based paint

Product categories

- 1 Pumps and fluid handling
- 2 Manipulators
- 3 Application

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:

- **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.
- **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 highest transfer efficiency rates.

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:

- **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.
- **EcoBell2:** Application efficiency is significantly better than that of manual painting thanks to the high-speed rotary atomizer.
- **Color mixing system:** The continuous two-component mixing system reduces paint consumption by as much as 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 applies 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.



WHERE TO BUY?

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

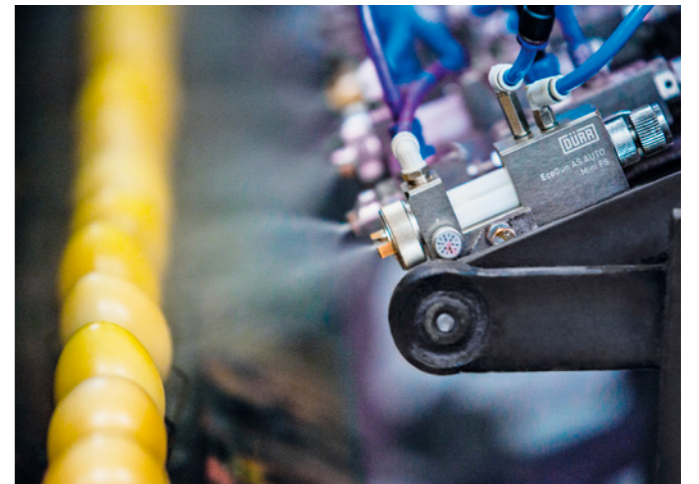
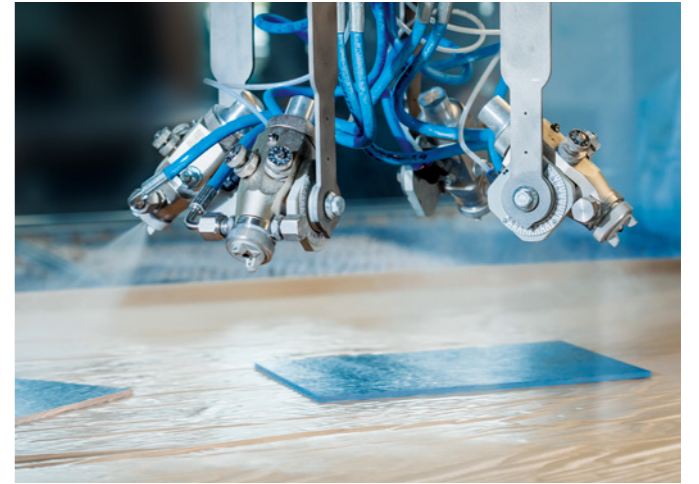


PAINTING SMALL PARTS

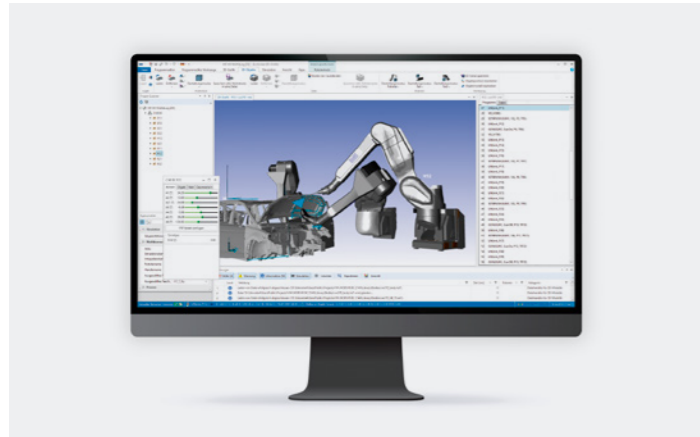
Dürr spray guns are used in the food industry to coat easter eggs. The eggs are positioned vertically on small spindles as they are sprayed with colored paint. The eggs pass automatically in front of a rig with 30 spray guns and are spun around while an air atomizer sprays them with eggshell paint made 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.



Product expertise meets innovation

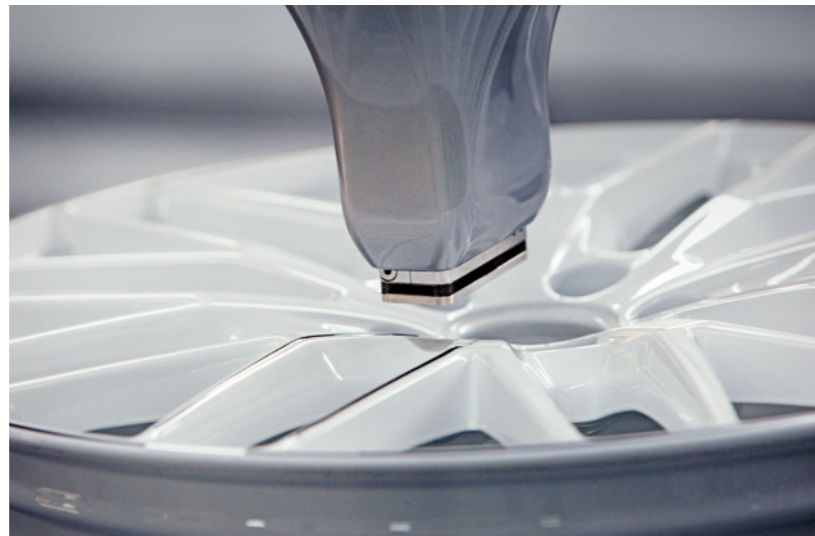


DXQ3D.onsite

DXQ3D.onsite is a universal toolbox for Dürr **EcoRP** application robots that helps operating personnel configure process parameters and program robot paths. By providing a virtual environment in which to carry out tests and simulations, the risks that come with implementing changes in spray booths are greatly reduced.

OVERSPRAY-FREE PAINT APPLICATION

Our **EcoPaintJet** is one of the most innovative developments ever made in the paint industry. In contrast to 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 of no overspray, air filter pollution is reduced significantly, saving on operating costs. In addition, 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

Our **EcoSupply P Core** uses a so-called pig, is a kind of rubber plug, to clean the hose. As the pig may also be used to push the paint back into the container, paint loss can be reduced significantly. But the consumption of flushing agents also decreases. By means of multiple systems, one color can be used while another hose is prepared for the next color.



Your partner for successful production

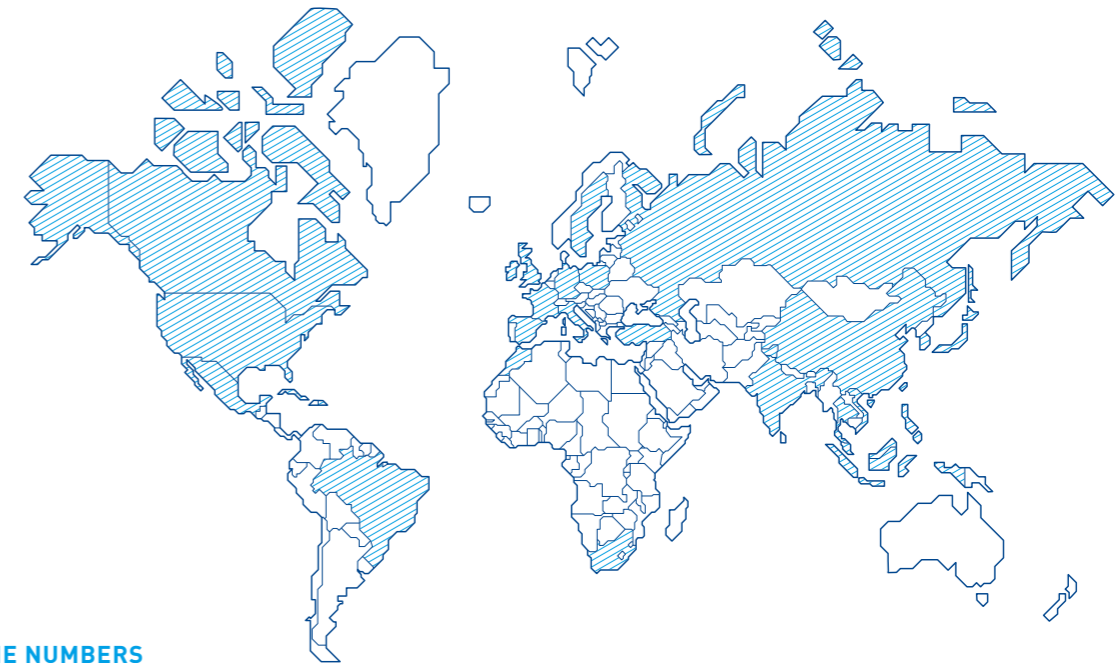
Dürr's customer service offers support around the world. Dürr is always on-site help to reduce production costs, increase plant availability and guarantee rapid technical support.

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



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LEADING IN PRODUCTION EFFICIENCY



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