




Product and industry solutions

“Quality is lasting.”

**Where high-quality, reliable surface technology is necessary,
you can find our name.**

Our customers' plants are very specialized. We can usually meet the requirements of most customer requests due to our diversified range of products. However, sometimes individual solutions are needed. We work in close collaboration with our customers in order to meet their specific needs to their utmost satisfaction.

Our high standard regarding perfectly customized plant concepts for our customers in turn requires a high standard of practice-related competence from our whole team. Due to their professional experience in different industries, our specialists understand the needs and process cycles in our customers' plants. We are thus able to fulfill the wishes of our customers in an efficient manner and exactly tailored to their requirements - either using complex system solutions or by integrating standard components.

A series of thin, light blue wavy lines that originate from the left side of the page and curve upwards and outwards towards the right side, creating a sense of movement and flow at the bottom of the document.



Good – not just on the surface!

Our desire for high quality, individual system solutions forms an integral part of the company culture.

With regard to the development of individual production systems, FluidSystems believes in a clear focus on the different industries. We cater for the following industries: manufacturing systems engineering, automotive industry, food industry, pharmaceutical industry, industrial protective coating and contract painting.

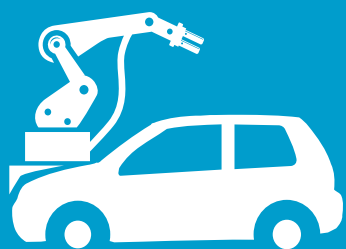
Due to our specialization in certain sectors, we have gained excellent knowledge of the specific process cycles. We are therefore well-equipped to construct systems which perfectly meet the various individual needs of our customers as well as provide top quality advice and service.

It is our aim to create a surface coating for our customers which is as economical and environmentally-friendly as possible. That is why the systems built by us are

always low-maintenance, robust and easy to operate. These aspects ensure a higher cost-effectiveness in our customers' process cycles.

The principles of sustainable business practices are extremely important to us. We therefore place considerable emphasis on having as low a stock level as possible and use environmentally-friendly materials for our production.

We are convinced that the success of our company so far is not least thanks to our staff. They are the people who find the optimal solutions for our customers and implement the customer wishes competently. It is of the greatest importance to us that we treat our staff, suppliers and business partners with fairness and respect.



Automotive
industry

Excellent quality is our maxim

All equipment and solutions for the automotive industry in the FluidSystems product range are, without exception, capable of meeting the high standards and quick pace of this industry.

Vehicles must, unavoidably, meet a multitude of safety standards as well as be absolutely reliable. Product recalls regarding possible faults within the manufacturing processes are costly. In addition, the resulting loss of image for both the manufacturer and the car workshops has a negative impact for years to come.

Bonded joints

- for use on production lines
- high material savings
- possibility to fill the system directly from the tanker
- bonded joints on body shell
- glass bonding

Insulation / underbody protection and sealing

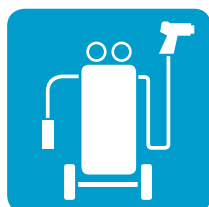
- liquid insulating mats
- fully automatic application of underbody protection
- corrosion protection
- integration into the current manufacturing process

Painting systems

- pneumatic and electric monitoring of the work process
- conveyance from the central paint supply
- simultaneous conveyance to robots and manual work stations

Product range

Our portfolio for applications in the automotive industry comprises the following product lines:



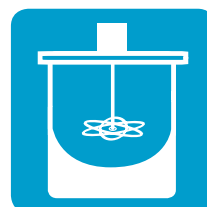
mobile
spraying devices



guns



systems for
high-density solids

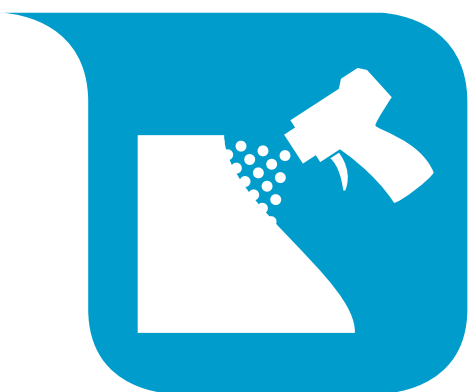


colour systems



pumps





Painting and
finishing

We perform brilliantly

When we speak of „finishing“, we refer to the various steps in the process of painting up to the finished surface. With regard to the painting of vehicles for example, these steps could be the filler coat, the primer, the topcoat and the clear coat.

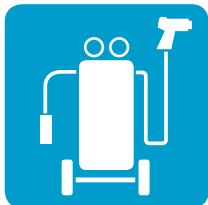
Typical finishing techniques are the atomizing, HVLP, air assisted airless and electrostatic spraying processes. In the case of multi-component systems, the task of the system is to optimally dose, mix and apply two or three components of a compound formula.

The FluidSystems supply programme incorporates both mechanical and electronic systems. The latter are also approved for use in Ex protection areas. Furthermore, our systems are also capable of analyzing different material consumption, saving up to 90 formulas or determining the solvent consumption according to the VOC directive - just as examples.

Finishing	<ul style="list-style-type: none">• several process steps perfectly aligned with each other• different consumables• different surface finishing
Painting	<ul style="list-style-type: none">• solvent consumption according to the VOC directives• multiple formulas• approved for Atex• WHG approval• manual and automatic applications
Water-based / solvent-based colour systems	<ul style="list-style-type: none">• quick colour changes

Product range

Our portfolio for applications in the field of painting and finishing comprises the following product lines:



mobile
spraying devices



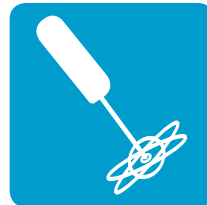
guns



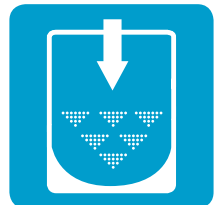
pumps



colour systems



stirring devices



pressure vessels





Corrosion
protection

With our solutions, even old iron isn't for the scrap heap

When we talk of protective coating, we refer, among other things, to applying a material in order to protect the surface from corrosion with the aid of spray guns.

With particular regard to machines and devices which are exposed to extreme environmental influences, the protective coating extends the service life dramatically.

Products with protective coating are generally given one thick layer.

Shipbuilding
and
ship renovation

- high level of mobility
- weather protection
- resistance to breaks and falls

Offshore

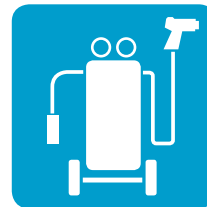
- availability in extreme weather conditions
- reliability in highly corrosive environments
- mechanical robustness

Construction
steel

- uninterrupted operation
- high level of mobility
- weather protection
- mechanical robustness

Product range

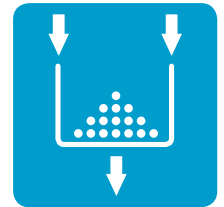
Our portfolio for applications in the field of corrosion protection comprises the following product lines:



mobile spraying
devices

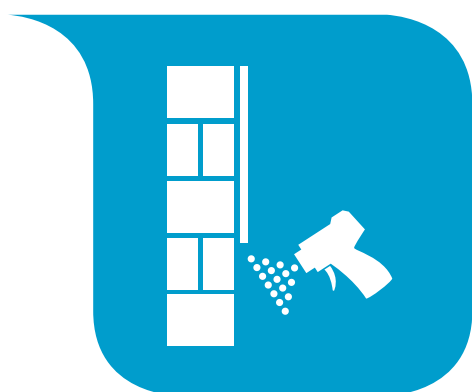


guns



mixing





Polyurea &
polyurethane

Successful in the coating industry

Polyurea, polyurethane and PUR-foams are just 3 typical examples of „FastSet“ materials. The main characteristic of these materials is the extremely short reaction times - sometimes only in the region of seconds.

High pressure and temperatures are required in order to apply these substances. FluidSystems has watched the market intensively in order to include the best special equipment for you in our portfolio.

Polyurea and PUR coating

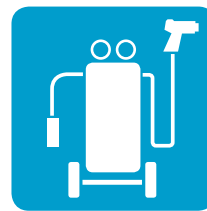
- water retention basins
- biogas plants
- foundation sealing
- flat roof coating
- concrete coating and steel pipe coating
- parking deck surfaces
- offshore conveyors

PUR-foams

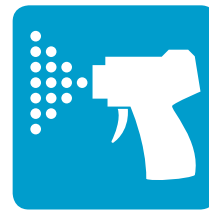
- heat and cold insulation
- building insulation
- vehicle manufacture
- mould construction

Product range

Our portfolio in the field of the coating industry comprises the following products:



mobile spraying devices



guns



pumps





Sealants and
adhesives

Absolutely no leaks

In industry and automotive engineering, the sealants and adhesives field of operations is subject to constant dynamic changes and further development.

Here, the name FluidSystems stands for the specific and user-oriented advancement of established products. Thus, new solutions are created for the conveyance in both heated and non-heated systems.

The manual or automatic systems can also be equipped with a dosage device.

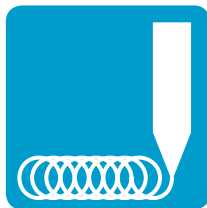
Sealing systems	<ul style="list-style-type: none">• seam sealing• UBS coating• manual and automatic systems
Adhesive systems	<ul style="list-style-type: none">• high melting rates• multiple heating zones• continual conveyance
Dosing systems	<ul style="list-style-type: none">• process optimization• increased quality• cost reduction

Product range

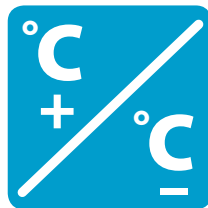
Our portfolio for the applications in the field of sealants and adhesives comprises the following product lines:



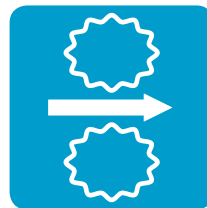
RAM systems



applicator systems



temperature systems



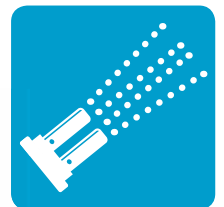
controlling and metering



guns



pumps



applicator nozzles





Fibre glass-
spraying

We give stability

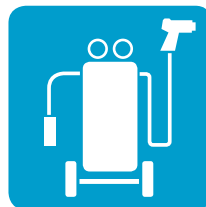
Modern composite materials are becoming more and more important. Increasing the stability at the same time as reducing the weight is a great advantage. In addition to the gelcoat systems and roving cutting systems for the construction of classic GFK systems, FluidSystems also sells special system technology for the processing of glass roving in combination with solvent-free coating systems.

Fields of application

- production of composite materials
- component production
- small series production
- prototype construction
- enhancing of classic coating systems
- stationary and mobile use

Product range

Our portfolio for applications in the field of fibre glass spraying comprises the following product lines:



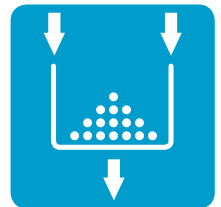
mobile spraying devices



guns



pumps



mixing





Food
industry

We offer wholesome solutions

Whether your product is targeting the convenience food market or the gourmet market, both hygiene and consistency are absolutely essential prerequisites for a reliable product safety in the industrial food processing industry.

FluidSystems provides equipment which, without exception, lives up to these expectations. Our portfolio comprises machines which are designed without any clearance volume whatsoever and which also have an oil-free construction. Our equipment for this field of application is naturally easy to clean as well as FDA-certified.

Recirculation / conveyance

- use in production lines
- feeding from filling stations
- conveyance of different viscosities
- certified in accordance with FDA
- easy disassembly
- lubricant-free operation

Filling

- automatic feeding
- conveyance from central supply
- easy disassembly
- certified in accordance with FDA

Product range

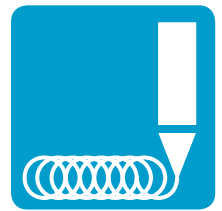
Our portfolio for application in the food industry comprises the following product lines:



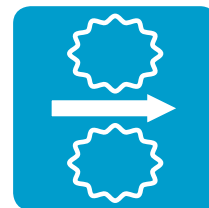
pumps



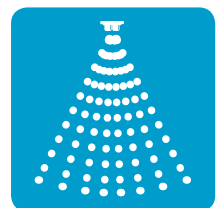
RAM systems



applicator systems



controlling and metering



cleaning





Pharmaceutical
and cosmetics
industry

We know all about sensitive areas

For the pharmaceutical sector, which we are currently expanding, we construct systems for different liquid and viscous products. There are slightly different requirements regarding the production of ointments, cremes and gel-like products. However, the preconditions allowing the manufacture of these products is comparable with those governing the food sector.

Our portfolio fully meets all the criteria and is, in addition, certified in accordance with FDA. All devices which are used in this area have been constructed without any clearance volume, are easy to clean and have been assembled totally without the use of oil.

Recirculation / conveyance

- use in production lines
- feeding from filling stations
- conveyance of different viscosities
- certified in accordance with FDA
- easy disassembly
- lubricant-free operation

Filling

- automatic feeding
- conveyance from central supply
- easy disassembly
- certified in accordance with FDA

Product range

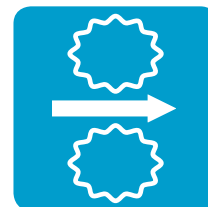
Our portfolio for applications in the field of pharmaceuticals and cosmetics comprises the following product lines:



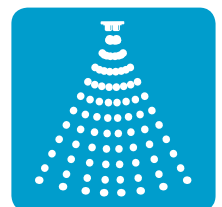
pumps



RAM-systems



controlling and metering



cleaning





Lubricating,
oiling
and greasing

Your operations run smoothly with our solutions

Along with industrial applications, the conveyance and dosing of lubricants is above all required in the trades and repair shops.

FluidSystems supplies the complete Graco programme of oil pumps and devices covering the transmission ratio of 1:1 to 10:1.

We also have available grease pumps with a transmission ratio of 50:1 to 75:1. To complete our product range, we also provide roll-up hoses and filling valves for oil and grease.

Lubricating / oiling

- conveyance of lubricants
- workshops
- dealer oil change and service
- lubricant vehicles
- materials: mineral oils and synthetic oils

Greasing

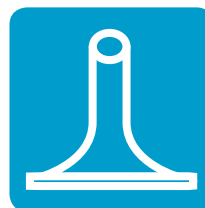
- medium to high pressures, small to medium quantities of grease
- maintenance of vehicle fleets
- mining
- production facilities
- materials: grease up to NLGI grade 2

Product range

Our portfolio for applications in the field of lubricants, oils and grease comprises the following product lines:



pumps



valves

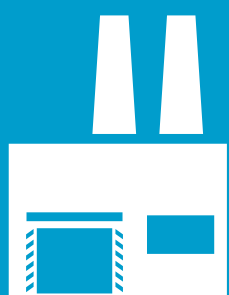


guns



RAM-systems





Industrial
applications

Redundancy, availability and process integration

Industrial applications depend on the fact that new solutions can be implemented with the least possible downtime. The total process efficiency should be able to profit from the introduction of a new solution.

So it is not only the qualities of the devices and systems in our portfolio that are important - the interaction with the existing systems and processes is also a significant aspect.

Material-preparation	<ul style="list-style-type: none">• homogenization• tempering
Material feed	<ul style="list-style-type: none">• conveyance / pumping• monitoring• piping system (hose/pipe)
Material-processing	<ul style="list-style-type: none">• dosing / mixing• spraying• casting

Product range

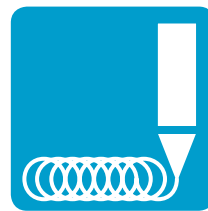
Our product range in the field of industrial applications comprises the following product lines:



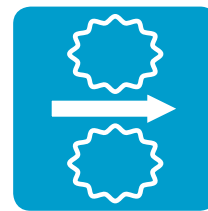
pumps



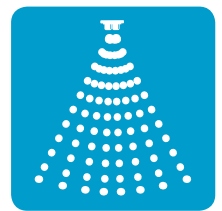
RAM systems



applicator systems



controlling and
metering



cleaning





Individual
solutions

Tailor-made for different needs

Our customers' systems are structured specifically for their needs. No two systems are the same. Our staff are experienced industry specialists and so understand the requirements and process cycles in the individual systems. They are well equipped to serve our customers efficiently by implementing complex system solutions or integrating standard components.

We work together very closely with our customers so that we can implement their individual requirements to their utmost satisfaction.

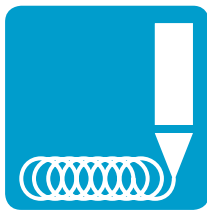


Product range

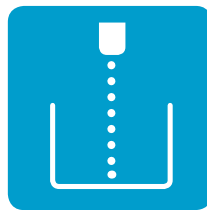
Our portfolio for applications in the field of individual solutions comprises the following product lines:



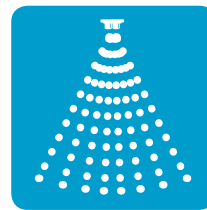
spraying



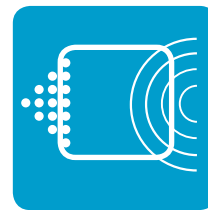
sealing



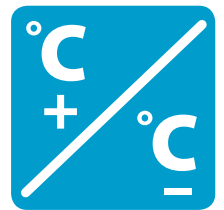
casting



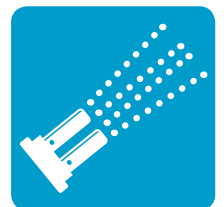
cleaning



drying



tempering



applying per nozzle





Complex processes -
intelligent solutions

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