

Composite competence from Wolfangel:

More than equipment





Heike Wolfangel, Andreas Doll (Management Board)

Composite competence is more than just the equipment

Component quality, increased productivity, process automation – all these goals play an important role when it comes to the purchase of a composite system.

Do your customers also place ever increasing demands on your products? Do you also focus on produ-

cing composite components safely, reproducibly and at the lowest possible personnel costs?

Then we will support you not only with a suitable plant, but also with all innovative concepts from automation and process optimization that fit your requirements.

Automated production: faster, safer, more economical

Automated processes are the answer to the changing world of work and the ever increasing demands placed on composite components. With this holistic approach we support you in planning and equipping your automated production.

Simple, reliable, semi-automated solutions are available here, which

you can use economically for small and medium-sized series.

Our system concept goes even further: We also develop automated solutions for open processes such as gelcoat and fibre spraying, which relieve your employees and lead to reproducible results.



Automation with Wolfangel: the advantages

- +** Increase in productivity
- +** Product uniformity
- +** Error minimization
- +** higher process reliability
- +** solid documentation of the processes
- +** improved repeatability
- +** less impact on emissions
- +** Reduction of physically demanding activities
- +** more work safety
- +** reduced personnel costs

Precisely thought and produced: Our range of systems

From gelcoat systems to complex customer-specific solutions, we can supply you with a wide range of systems for your fibre composite production.

Our gelcoat spraying systems stand for reliability and perfect surfaces with low emissions. With the Wolfangel dosing and mixing systems, resin and hardener for different resin systems such as polyester, epoxy, foam resin, phenol can be precisely dosed. Whichever re-

sin system you process – Wolfangel supplies the right solution.

The Wolfangel-iJect family with iJect touch and iJect touch mini also supports you precisely because of its modular design. iJect touch mini offers you, for example, extensive equipment with Siemens PLC at a low price. From automatic injection valves and RFID technology to heated material containers, we have adapted the iJect system concept exactly to your processes.

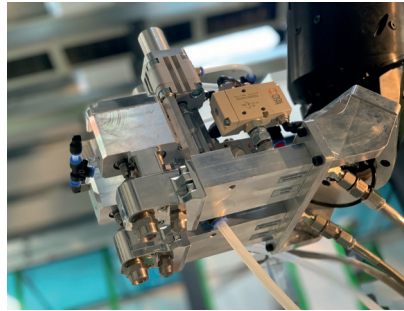


From the wall dosing unit to the robot: The Wolfangel Equipment

In addition to these systems, we can supply you with further equipment and products for composite production. E.g. easily mountable wall dosing units, which dose liquid media simply and exactly. Injection nozzles, Teflon rollers for open processes or cutting units are also part of this equipment.

In the automation of open processes, the subject of "robots" is becoming increasingly important. Many aspects play a role here - above all the quality of the component should be uniform and good. The lack of employees also leads to the

need to find new ways of solving the problem of emissions. Here our robot solutions are a logical option for many reasons. This future-oriented technology is used in many areas.



Robots: the clever solution in composite production

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|-----------------------|------------------|
| ✓ Automotive Industry | ✓ Trailers |
| ✓ Swimming pools | ✓ Caravanning |
| ✓ Theme Parks | ✓ Yacht building |
| ✓ Sanitary | |

"Handmade": Tools & Accessories

Automation and partial automation have developed into essential basic conditions of our industry. Nevertheless, some processes and work steps remain a cause for "manual work". Here we support your company with tools and accessories that

we have developed and tested from practical experience. They are based on our decades of experience, are in daily use around the world and make the processes that have to be performed by hand easier for your team.



decades of experience



practical experience



worldwide use

**Quality is no coincidence.
Intelligence and the will
to make a thing better are
part of it.**

John Ruskin

Visionary foresight, expertise with tradition

Progress means translating visions into change. We have been thinking and working according to this principle for many decades. Our founder Rolf Wolfangel already knew how to successfully transfer strong concepts into ever new markets. We are also known for the high quality of our products, so that many customers have trusted us for many years.

In this way, we combine the solid experience of a family business with the innovative spirit to find new solutions for the challenges of your industries again and again. We look forward to delivering the optimum result for your special requirements as well!



Wolfangel GmbH

Roentgenstr. 31
71254 Ditzingen / Heimerdingen
Germany

T +49 7152 999200

F +49 7152 58195

M info@wolfangel.com
