The Plastics Partner that makes your vision a reality.

WAREMA Medical Technology

Der KunststoffPartner

Visionaries.
Creators.
Partners.

That's the WAREMA Group, with more than 4,800 employees at 25 locations worldwide. We turn visionary ideas into innovative and groundbreaking products. We are real creators, we roll up our sleeves and enjoy developing new solutions. And we are a reliable partner that our customers can rely on.

Plastics & Engineering Division

– Automotive and industrial products, Medical technology
– High-precision mould design
– Injection moulding
– Blow moulds

The Plastic Partner

Sun & Living Spaces Division

– Sun shading systems and weather protection
– Designing living spaces

The SunLight Manager

Sun shading expert

The summer manufacturer

Partner of the food service industry

External roller blind for heat protection

Specialist for large slat systems

Responsibility for people, society and the environment

Social responsibility for our employees and for the regions we work in, as well as responsibility for the environment have always been a cornerstone of our company philosophy. Various certifications and awards are proof of our commitment in this area. Our sites are certified pursuant to the internationally recognised environmental management standard ISO 14001. Our German location also complies with the requirements of energy management standard ISO 50001.

Our aim is to protect the environment and improve energy efficiency within the company and to reduce our environmental impact and energy consumption – in line with economic, social and political requirements. For this reason we use water, energy and raw materials in a sustainable way.

WAREMA – The Plastics Partner

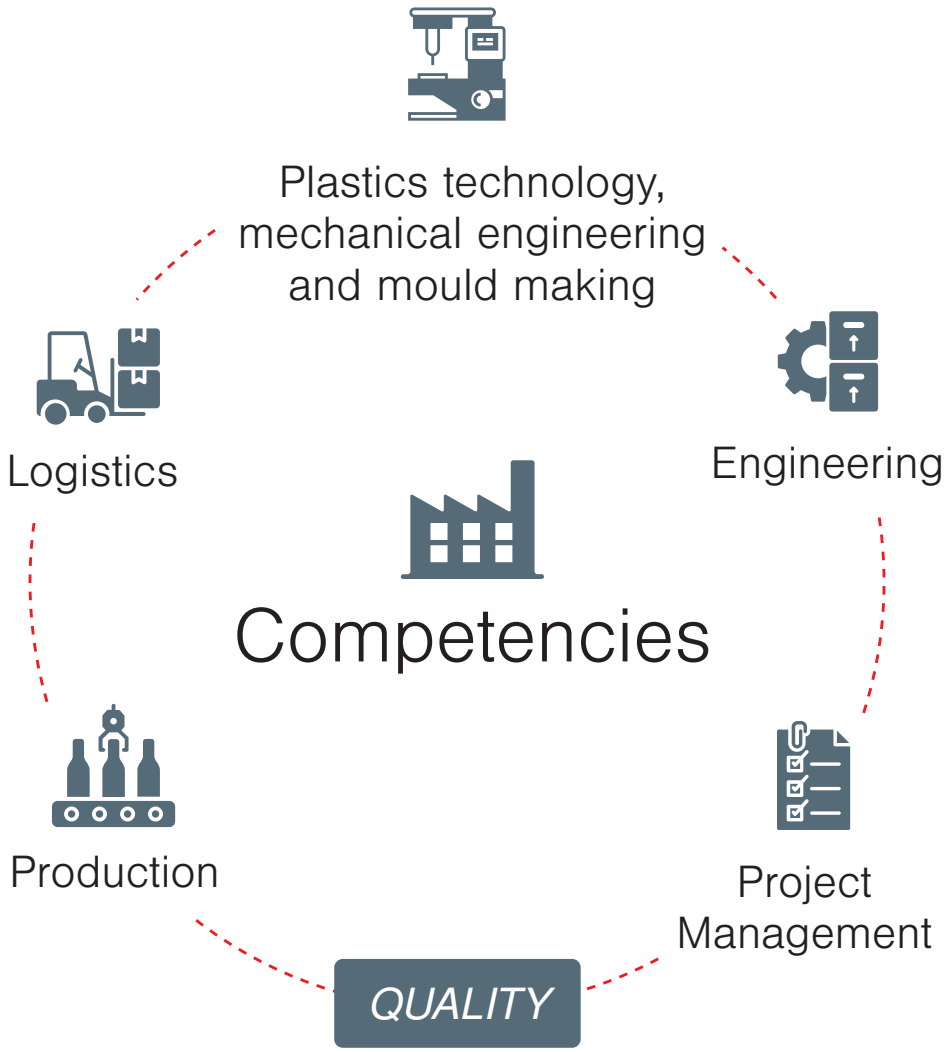
In the Plastics & Engineering division, the WAREMA Group brings together its comprehensive expertise and many years of experience to create state-of the art solutions made of plastic. We make your vision a reality.

- 50 years' experience in plastics processing
- Development and production in Germany
- 400 employees at three locations
- 70 million euros in sales
- More than 160 customers in 33 countries

Scan the QR code to find out about our site in Marktheidenfeld

WAREMA Medical Technology

Industrialising your requirements



Our experts manage your requirements from feasibility testing to production, approval and logistics.

WAREMA benefits

- Expertise and experience from a single source
- Reduced interfaces
- Focus on outstanding quality
- Faster production readiness

Quality and safety for patients

We have many years' experience of developing and manufacturing components and subassemblies for the medical technology, pharmaceutical and diagnostics sectors.

In our cleanroom, which is certified to ISO 14644-1 Class 7 and GMP Class C, our production processes meet the highest standards of safety, cleanliness, sustainability and traceability. We rely on a customer-focused project management system and certification standards in accordance with ISO 13485.

- Development and manufacturing: Everything from a single source
- Validated injection moulding processes using high-quality machines, equipment and tools
- Functional, visually appealing components and subassemblies
- Customer-specific assembly with laser marking, labelling and packaging
- Documented, traceable delivery quality
- Downstream processes such as sterilisation and batch documentation

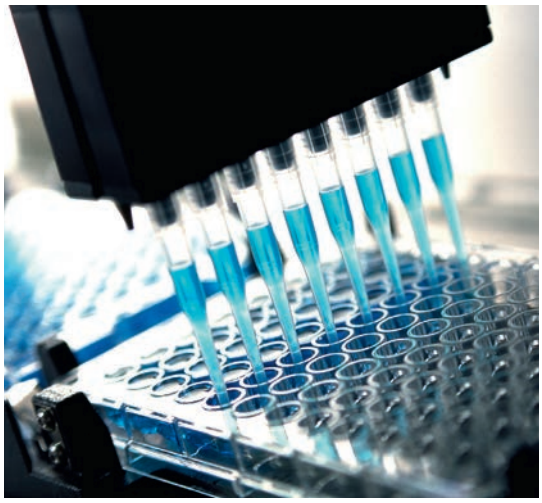
Areas of Expertise

Pharmaceuticals

Hygienic production: Our components for the pharmaceutical industry are manufactured under controlled cleanroom conditions. In addition, we apply anti-bacterial materials as a finish and perform efficacy tests to ensure that our products are completely free of micro-organisms.

Diagnostics

Full accuracy: Clear, correct and traceable measurements require components that are free from contamination. Our products meet this requirement and comply with all the other relevant hygiene standards. Precision production methods and carefully defined processes guarantee the functionality of the products.



Medical technology

Perfect performance: As a supplier of sub-assemblies and components to the medical technology industry, we ensure that our products provide the highest possible standards of patient safety.

Pharmaceuticals

- Containers and closures
- Aseptic connectors
- Liquid fluid handling

Diagnostics

- Cartridges
- Analyzers
- Point-of-care products

Medical technology

- Ophthalmology
- Dialysis
- Surgical lights and support arms
- Artificial respiration
- Inhalation

Consultancy, Development, Project Management
Expertise from more than 25 years of experience

Expert consultancy right from the start

Everything starts with a detailed consultation. Once we have received your enquiry, it will undergo a manufacturability assessment, passing through all departments – from sales, quality management, purchasing, design, development, tool manufacture and mechanical engineering through to the plastic moulding department, painting and assembly. We aim to find the ideal balance between your product and our manufacturing concept.

Our team knows exactly which materials are required and which tool and process technology to use to fully meet your requirements.

Our project management team constantly monitors compliance with your product-specific requirements. We use project schedules for systematic deadline tracking and documentation. Our team is committed to keeping its promises.

- Our products and services
- Comprehensive producibility assessment
- Consultancy on materials and process technology
- Development to your specifications
- Transparency and documentation

Quality Management
Certified safety

Continuous quality monitoring with high-precision instruments

Quality is the top priority at WAREMA. We focus on your requirements from the beginning to the end of your project. Our quality management system, which is certified to ISO 13485, helps us to guarantee this. You can rely on us to fulfil your requirements in the best possible way.

Our certificates*

- ISO 13485
- ISO 50001
- ISO 9001
- ISO 14001

Our products and services

- Optical and tactile CNC-measuring machine
- Structured light for 3D digitalisation
- CNC-controlled coordinate measuring machine (CMM) with touch probe scanner
- Computed tomography

* WAREMA Kunststofftechnik und Maschinenbau am Standort Marktheidenfeld, Deutschland

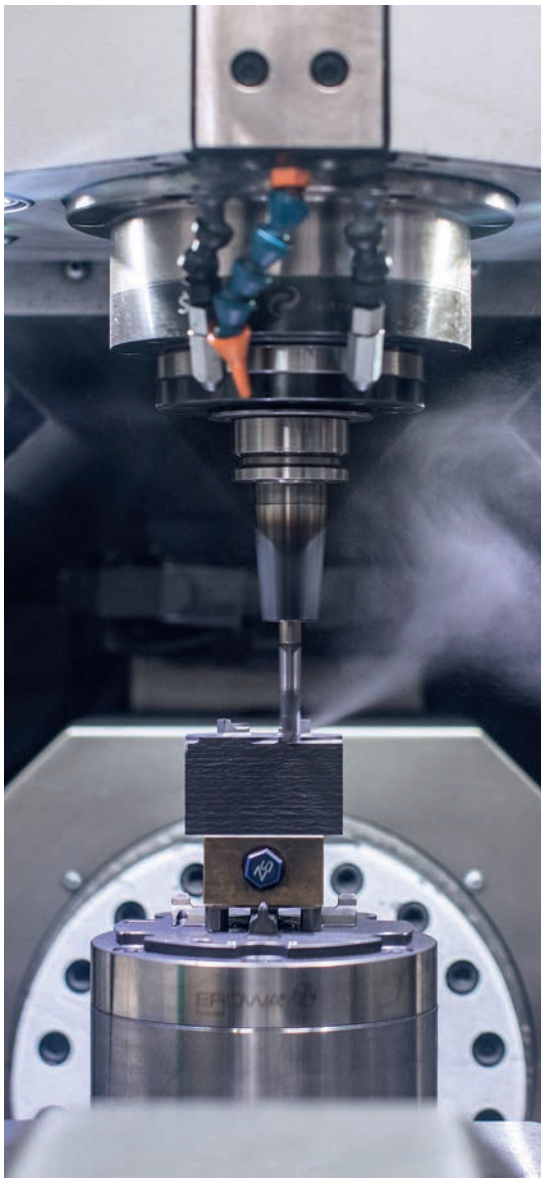
Mould design
For complex plastic parts

Protect your investment in tools

We develop and manufacture high-precision and long-lasting injection moulds for producing large or small, single or multiple components for high output quantities to meet your requirements. With our wealth of experience, we are one of Germany's leading suppliers of high-quality injection moulds and surface technology.

Our products and services

- Procurement, development and design by experienced engineers
- Material flow simulation and warpage analysis for optimum output quality
- Modern machinery for precision moulds
- Our own measurement room guarantees the quality of electrodes and workpieces
- Qualified staff adjust, maintain and repair your moulds to safeguard your investment



Mechanical engineering
Individual automation solutions

In-house expertise ensures permanent production readiness

If you need equipment, machines and automated production processes, you can rely on us to develop and produce them. We develop and produce solutions based on specific customer requirements and guarantee a high degree of process reliability to manufacture sophisticated products to a consistent quality in a rational manner.

For our internal project processes, our mechanical engineering department provides integrated manufacturing and testing concepts. This reduces the complexity of the processes, the number of interfaces and the time-to-market for you.

Our products and services

- Development and design of special mechanical and electrical solutions
- In-house software development
- Automation solutions provide reproducible quality in plastic moulding
- In-house maintenance of the machines guarantees permanent readiness for use
- High-grade test and assembly devices

Cleanroom and controlled area
Plastic moulding in its cleanest form

Highest cleanliness thanks to good processes

Our cleanroom complies with ISO 14644 Class 7 and is certified to GMP Class C. This enables a completely separate area designated specifically for manufacturing plastic parts for your medical products and pharmaceutical components. The temperature, overpressure and humidity in the room are permanently monitored. Regular monitoring of particles and microorganisms adds the finishing touch to our cleanroom concept.

Our whiteroom, located in front of the cleanroom, is also equipped with a high-quality air filtration system.This provides us a variety of options for meeting your individual requirements cost-effectively and to a high standard of quality.

We expand the injection moulding of thermoplastic components by processing them into subassemblies or finished products. Depending on your requirements, this can be done manually or using automated assembly machines.

Our products and services

- Injection moulding of medical and pharmaceutical products
- Special machines developed in-house for the automated feeding of inserts, including camera detection
- Transfer systems for further automated testing and assembly tasks
- 3D laser marking under cleanroom conditions
- UDI-compliant labelling – machine-readable and in text form
- Individual product labelling
- Assembly of hand-made single units through to automated volume production
- Packaging in hard or soft blister packs to meet customers' requirements
- Customer-specific labelling

News

WAREMA is constantly increasing its capacity, expertise and production technologies. This enables us to offer you the best solution on the market and to make your vision a reality.

Increased development capacity

We have increased the workforce in our development department by 25%. In addition, our new software tools ANSYS 2021 R1 and CADMOULD provide improved simulation of components and lead to cost and time savings in the development process. This has enhanced our expertise in the development of complex plastic components. That makes it even more attractive for customers to transfer the complete parts development to WAREMA.

Increased production capacity

Due to the growing demand for medical solutions from WAREMA, we have doubled our cleanroom capacity this year and already in planning of additional facilities. WAREMA uses plastic injection moulding machines in the whiteroom that produce “into” the cleanroom. Our extended capacity allows us to deliver high volumes of components on schedule and according to the highest standards of quality.

Laser welding system

Hereby the plastic components are joined together by laser radiation, unlike mechanical welding processes, such as ultrasound or vibration welding. The benefit: that process produces no abrasion or particles. Our laser welding system can process components up to 196x196 mm in size cost-effectively, including in large volumes.

We look forward to hearing from you.

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