

**The Plastics Partner that
makes your vision a reality.**

WAREMA Automotive & Industry

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

Sun & Living Spaces Division

- Sun shading systems and weather protection
- Designing living spaces



The Plastic Partner



The SunLight Manager



Sun shading expert

CARAVITA®

The summer manufacturer

EXTERRA

*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.

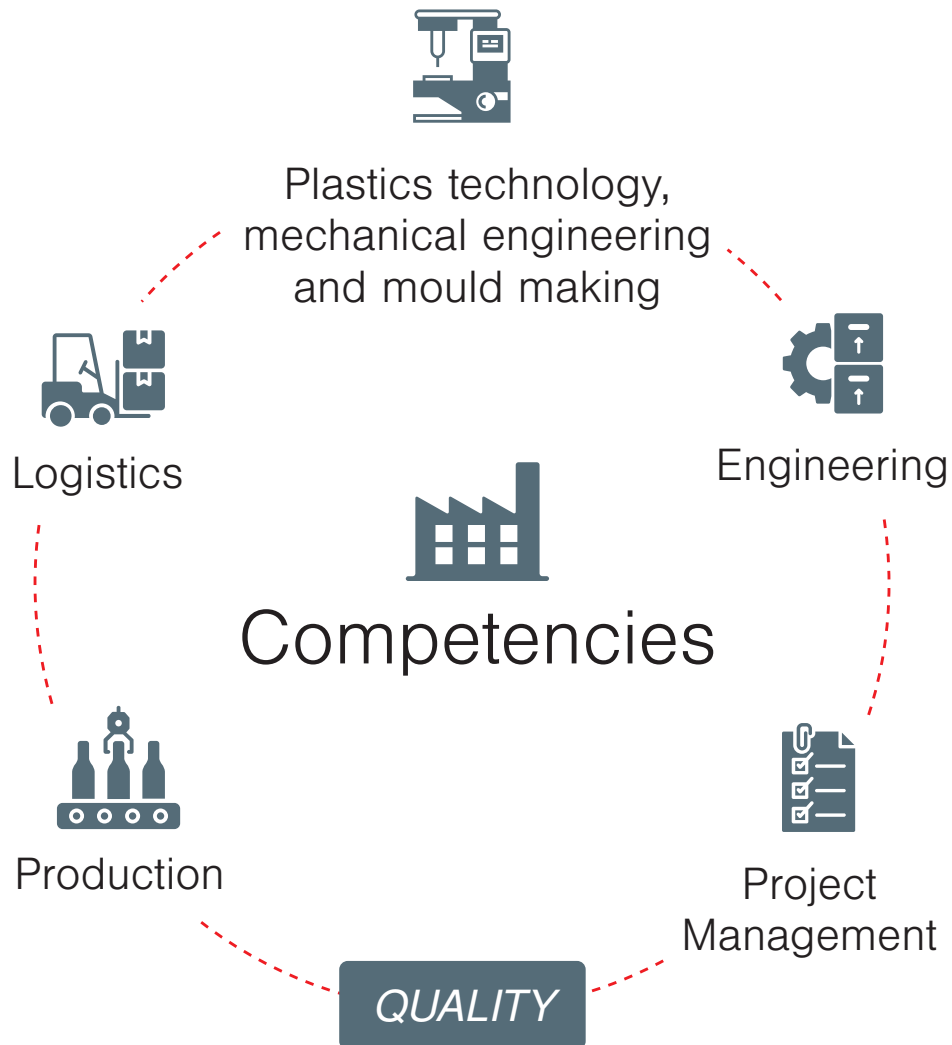
- 50 years' experience in plastics processing
- Development and production in Germany
- 400 employees at three locations
- 70 million euros in sales
- More than 160 customers in 33 countries

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



WAREMA

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

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 state-of-the-art instruments

Quality is the top priority at WAREMA. We focus on your requirements from the start of your project to its completion. This is ensured thanks to our IATF 16949-certified quality management system and evidenced by numerous successful projects. You can always depend on us to deliver the best service to meet your requirements.

Our certificates*

- IATF 16949
- 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



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



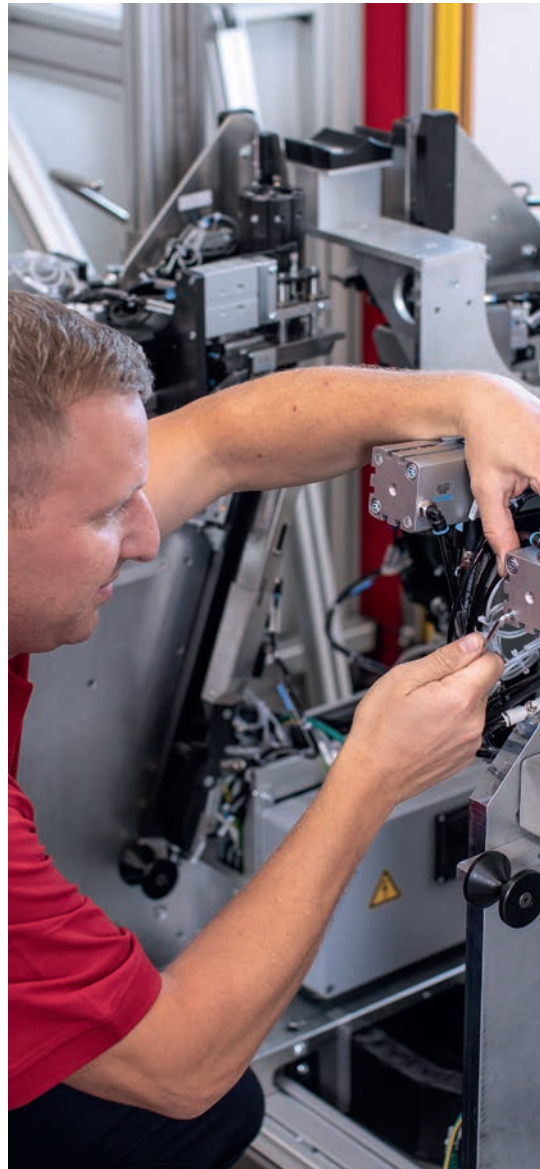
Mechanical engineering

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

Plastic moulding

Controlled quality for small and large components



Automated production

Our core activities include individual plastic moulding of components & series products. Thanks to modern machinery with highly automated robots and handling systems, we guarantee precise and high-quality moulding of plastic parts. We integrate all required specialist departments to achieve an optimised and innovative production process. As part of digitalisation, all of our machines are linked to our MES system and provide a high degree of transparency when it comes to efficiency.

Our products and services

- Single and multiple components
- Small and large-scale production
- Small and large parts
- Robot handling system
- Injection moulding machines up to 1,500t
- 2K injection moulding machines up to 500t
- ISO Class 7 Cleanroom
- High-temperature plastics



Surface engineering

Functional and decorative surface finish

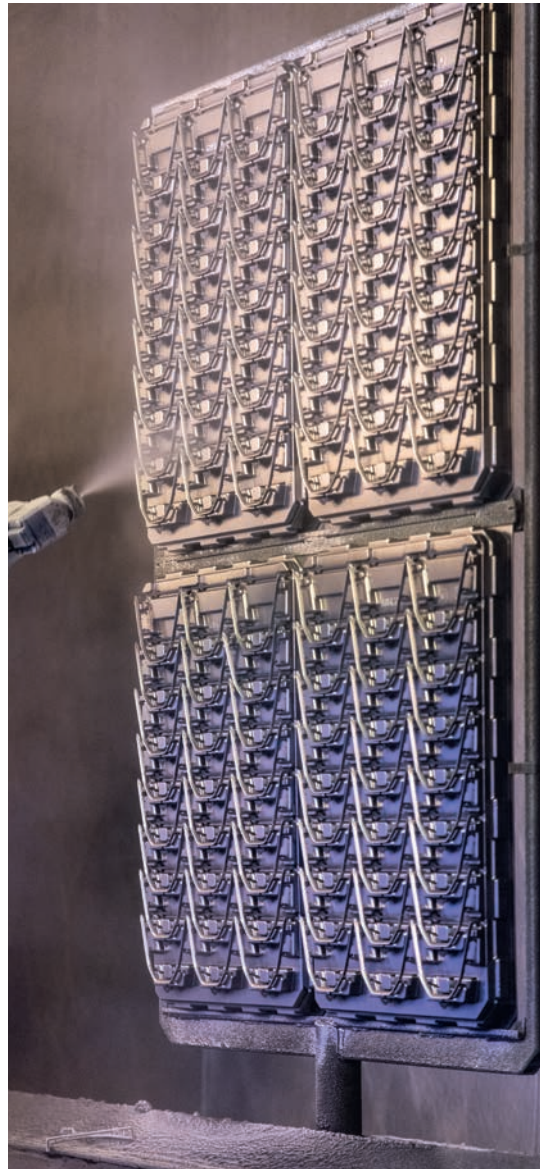
Controlled precision

In our surface engineering processes, we use state-of-the-art machinery to create the most diverse surface designs. Our range of products and services includes painting and chromium plating as well as lasering and printing with the aim of creating a functional or decorative surface finish. We have been successfully operating a robot unit since 2006, and an ultra-modern high-end finishing unit since 2020.



Our products and services

- Robot-controlled painting unit
- Flatbed unit
- CO2 pre-cleaning
- UV curing
- Standard and special painting
- Chromium-effect painting
- From one to three layers
- Chromium plating, lasering and printing
- Hot stamping
- Emblem printing



Assembly and logistics

Heat staking, pad printing and more



A focus on customer requirements

We create innovative components that meet the highest individual requirements for our customers. Apart from manufacturing these components, we also handle the assembly of complete, functional subassemblies. We produce on a small and large series scale, which is possible through manual assembly and by using highly automated machines yielding perfect results in the heat staking, printing and installation of plastic parts.

We automatise production, warehousing and shipping to ensure cost-efficient and just-in-time delivery. We work together with you to develop an individual packaging and delivery concept that suits your needs, taking into account domestic, foreign and sea freight requirements for example. We organise the supply chain and ensure smooth delivery capability. Our automated warehousing processes ensure efficient consignment of your requirements.

Our products and services

- Manual and highly automated assembly
- Small and large series
- Heat staking, punching, bonding, pad printing and installing
- Cleanroom/ controlled area assembly
- Labelling
- Customised packaging
- Worldwide goods shipment
- Customs clearance

Automotive Prodcuts

Components for the highest standards

The automotive division provides precise processes, from technical injection moulded parts to surface-finished subassemblies for the international market. Our project management system is customer-oriented and we adhere to certification standards pursuant to IATF 16949.

Our products and services

- Technical and functional parts for trim strips, cover panels, steering wheels, cockpits, door trims, headlights, bumpers and much more.
- Injection moulding, e.g. technical parts, insert technology, two-component parts
- Surface-finished parts, e.g. chromium-effect paint, chromium plating, UV painting, high-gloss black, lasering, printing



Industrial Products

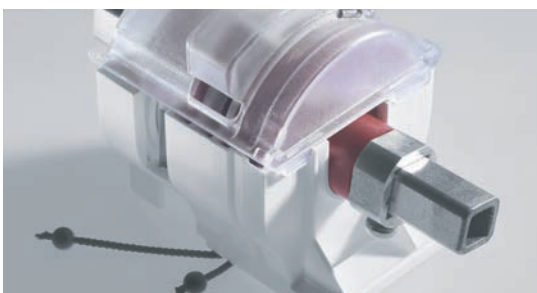
Solutions for all fields of application



The industrial division offers precise processes, from technical injection moulded parts to surface-finished subassemblies for the international market. We focus on a customer-oriented project management system that focuses on your needs and requirements.

Our products and services

- High-grade and weather-proof plastic parts to be used inside and outside.
- Injection moulding, e.g. technical parts, insert technology, two-component parts
- Surface-finished parts, e.g. chromium-effect paint, chromium plating, UV painting, high-gloss black, lasering, printing
- Subassemblies according to customer requirements



News

WAREMA Kunststofftechnik und Maschinenbau GmbH 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.



Surface finish on a new level

Our extensive and longstanding expertise make us your specialist for surface finishing. With our new three-axe emblem printing system, you will benefit from an appealing, tactile design with maximum precision. Clearance as with glued emblems is now a thing of the past. This unique printing system offers up to four shades of paint and is perfectly suited for high-grade logos, lettering or design elements.

- Precise printing for slender contours
- High-grade tactile properties (integrated into the component) for logos, lettering and design elements
- No clearance as with adhesive labels
- Up to four shades of paint in one printing process
- Optimisation of the logistics process thanks to in-house printing at WAREMA



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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