FORMING INNOVATION
IT HAS ALWAYS BEEN ONE OF MANKIND’S HIGH ARTS TO GIVE IMPORTANT THINGS A SPECIAL FORM.
PLASTICS, GREEK [PLASTIKI]: THE FORMING/FORMED
IT IS OUR HIGH ART TO GIVE SPECIAL THINGS THE RIGHT FORM.
From left: Rainer Zepke (Chief Financial Officer),
Frank Wirthwein (Chief Sales Officer and Spokesman of the Executive Board)
and Marcus Wirthwein (Chief Technical Officer)
“PLASTICS ARE INNOVATIVE MATERIALS.”

Nowadays, plastics are specifically used for many developments in automotive and rail engineering, in the electrical and home appliances industries as well as in medical engineering and diagnostics. Wirthwein as a pioneer of technical progress develops solutions.
3,650
EMPLOYEES WORLDWIDE WORK FOR THE WIRTH-WEIN-GROUP
As an expert for innovative forms we have been fulfilling individual customer requests since 1949. With twenty-one companies in Europe, Asia and the USA we are close to our customers worldwide. The Wirthwein-Group employs more than 3,650 people in the business units of Automotive, Railway, Electrical and Home Appliances Industries, Medical Engineering and Interior Fittings.

Wirthwein has always been an owner-operated family business. This is why we are independent and dynamic. We cultivate long-term relationships in the market. We are a reliable and stable partner.

Wirthwein applies state-of-the-art technologies on the spot, where our customers need the components and modules, locally anchored throughout the world.

With the two companies Bembé Parkett and Winkler Design the Wirthwein-Group is also active in the business unit of interior fittings. The group-wide collaboration creates synergies, which our customers profit from in terms of innovative and cost-effective solutions. However different the business units, quality standards are equally high across the Group.

WE FORM IDEAS.
The art of plastics - it is an art indeed to form products of this material.

We form processes with highly complex requirements in automation technology and multi-level production. When it comes to plastics technology, Wirthwein provides a particularly comprehensive service portfolio. Our customers greatly profit from our extensive know-how which we apply across the most varied industrial sectors.

Wirthwein sets standards to transfer knowledge between the business units. Our high efficiency and constantly high product quality give our customers a sense of security. Your technological advantage is guaranteed by our development skills.

Quality is a hallmark of Wirthwein

As a producer of safety-relevant plastic components for rail superstructure a maximum of quality reliability has been standard for us for many decades. This quality philosophy applies to all business units likewise. We are a Q1 supplier of Deutsche Bahn AG and an A supplier of significant system providers.

Our quality management system meets the ISO/TS 16949 requirements, which is also represented by the individual plants being certified according to:

- ISO/TS 16949
- DIN EN ISO 50001
- DIN EN ISO 9001
- DIN EN ISO 13485
- VDA 6.4
80,500 T
OF PLASTICS ARE PROCESSED EVERY YEAR
Concept and Development

Customers approach us with the most diverse requests and challenging projects. We care for each and every requirement no matter which business unit it concerns. We go about processes together with our customers from the beginning on. From the first sketch up to the delivery of the finished product we clarify workflows and processes to create injection molds and out of them plastic components and assemblies from our ideas.

Our development work is based on specific customer and project partner requirements. State-of-the-art methods and tools as well as highly qualified staff form the basis of our development work to create innovative top-quality products. It ensures a smooth transition from development to design to production across all business units and country borders.

Design and Construction

In close collaboration with our in-house mold design and construction department we coordinate with you and implement production alternatives. Precise design drawings and 3D animations provide our customers with important information concerning component behavior and manufacturability.

Particularly sophisticated constructions require additional engineering services, such as filling simulations or also deformation- and strength calculations. Substances, materials and procedures are carefully chosen and optimized.
Tool design and construction is a key factor for us as a full service supplier in plastics engineering. Our decades of comprehensive experience in the business units of Automotive, Railway, Electrical and Home Appliances Industries and Medical Engineering are a prerequisite to extensively transfer know-how. The Wirthwein plants work closely together and offer true flexibility in this network. It is this exchange of know-how across the group companies that helps to find innovative solutions to complex tasks quickly.

Moreover, we are highly flexible and dynamic also in terms of size and weight: we offer production solutions from valve caps with a total height of 2.255 mm to axial wheels with a diameter of almost one meter to suds containers with a weight of 6 kg up to injection molds with a size of 900 x 1.800 mm or also a weight up to 20 t.
Production and Logistics
We constantly strive to improve ourselves. We apply state-of-the-art technologies in all processing steps, incorporate of a great range of machinery and offer comprehensive quality assurance. By doing so, we ensure high efficiency and effectiveness in the production of complex plastic parts. We work highly flexibly in the thermoplastic injection molding of technical plastic parts with charge- and shot weights of between 3 g and 10 kg. Our customers can count on our products’ outstanding features. Now and in the future and no matter which Wirthwein plant produces them.

As a long-standing system supplier we offer you ecologically sustainable and well thought out logistics concepts with short transportation routes, high package densities and protective wrapping. We deliver just in sequence to your assembly line and therefore orient by your production cycle. Our intelligent transport planning helps to keep your storage- and inventory costs as low as possible.
 GLOBAL PLAYER

160,000 m²

PRODUCTION AND STORAGE AREA AT OUR PLANTS WORLDWIDE.

OUR CUSTOMERS HAVE A TOTAL OF
In top form for automotive -
We mold plastics into shape.

We globally develop and mass-produce parts for the automotive industry. Our customers include renowned automobile manufacturers and system suppliers. Our particular strength lies in the dovetailing of development, project management, in-house mold construction and the use of state-of-the-art manufacturing technologies.
High performance for the railway - We put trains on the right tracks.

We supply products for more than 30,000 kilometers of railroad tracks worldwide. We supply the rail superstructure with hundreds of millions of our products every year, such as dowels, intermediate plates or angle guide plates for rail fastening systems and cable ducts.
8 MIO FAN WHEELS PRODUCED EVERY YEAR
Stable form for the electrical industry - We keep things in motion.

Pretty quietly though. The use of high-performance plastics greatly reduces noise emission of radial- and axial fans. We apply the most sophisticated materials also for other industrial applications, such as deformation- and temperature resistance.
100 MIO

COMPONENTS BUILT IN HOME APPLIANCES
Perfect form for Home appliances - We are a strong partner for your home.

We develop, produce and check almost any kind of plastic components and assembly groups for home appliances, such as washing machines, tumble dryers, dishwashers, stoves, cooling- and floor care devices. As a full service supplier and globally operating system supplier we work at our own plants as well as shop in shop with our business partners.
In pure form for medical and diagnostics -
We bring plastics to life.
As a system supplier for medical science, diagnostics and pharma-ceutics we construct, develop and produce your ideas. We have the maximum passion for precision in both our in-house tool making as well as in clean room production.