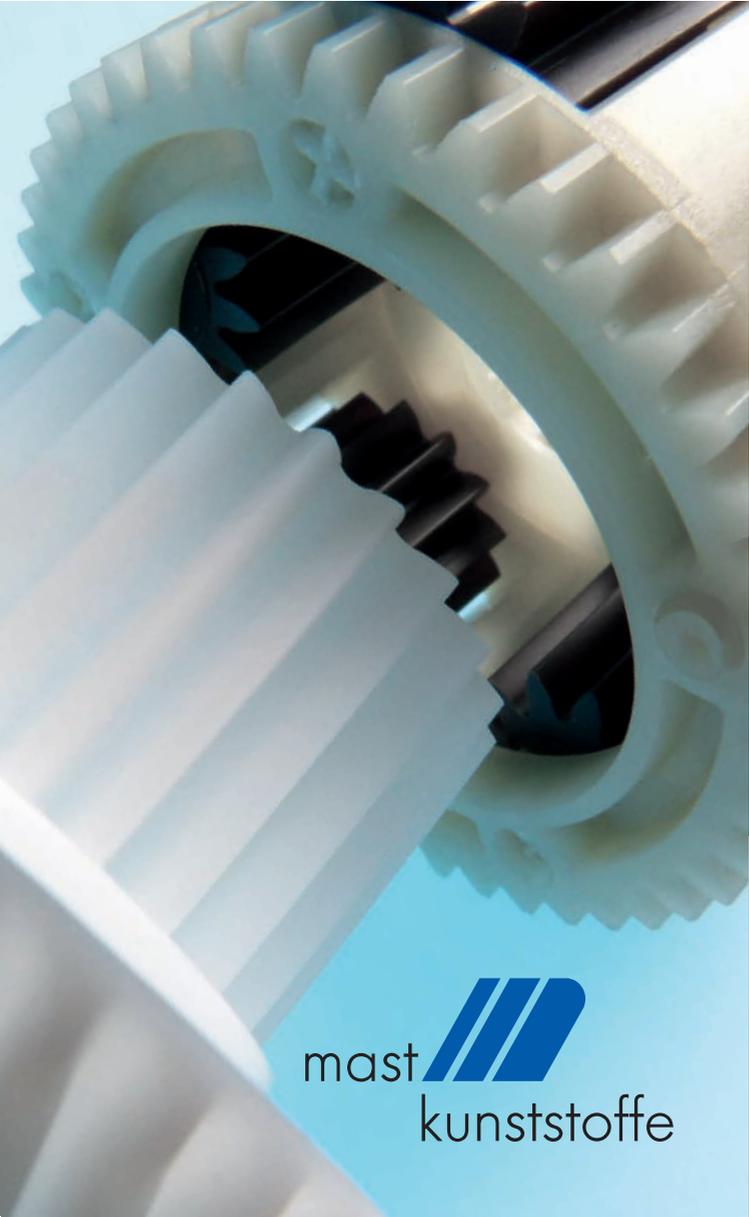
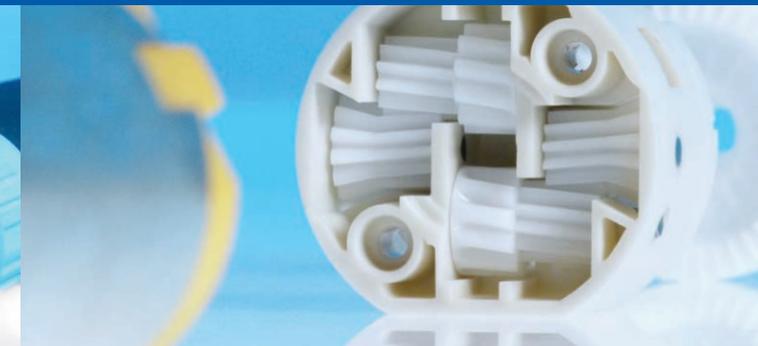


simply
moving



Drive elements and gear assemblies from Mast Kunststoffe get things moving in a whole array of actuator systems.

Our products can be found in numerous areas of industry:

Automotive

- Air flap control
- Aircon positioner
- Coolant pump
- Seat adjustment
- Roof drive
- Interior drive units
- Windscreen wiper drive
- Throttle valve positioner
- Steering column adjustment
- Window drive
- Rear wiper drive
- Rear lid drive

Industrial equipment

- Machine construction
- Automation
- Solar panels
- Servo actuators

Building technology

- Door drive systems
- Aircon/ventilation positioners
- Drives for blinds/shutters

Health care

- Treatment chairs
- Bed systems
- Patient lifts
- Wheelchairs

Furniture

- Motorised bed frames
- Reclining armchairs
- Drive systems in furniture
- Table height adjustments

For all of the applications, plastic is significantly more advantageous than metal:

- Low cost manufacture
- Creative freedom
- Quiet operation
- Low weight
- Self lubrication
- Free of corrosion

An optimal power density and long service life are achieved for our customers through individual design with sophisticated functionality and low costs.

From module 0.25 we manufacture standard or special gears, including profile modifications. Spur gears, helical gears, worm gears, screw gears, ring gears, planetary gears, bevel gears and crown wheels are assembled by us or our customers to form single or multi-staged gear units.

Gear housings, threaded spindles, spindle nuts and other functional components, all tailored specifically to the customers' needs, enhance our portfolio.

Apart from a large selection of basic materials, an increasing quantity of high temperature materials are used as the demands on operating temperatures above 85°C continue to rise. For complicated, low noise gear mechanisms, we also manufacture gear elements made from TPE, TPU, ...

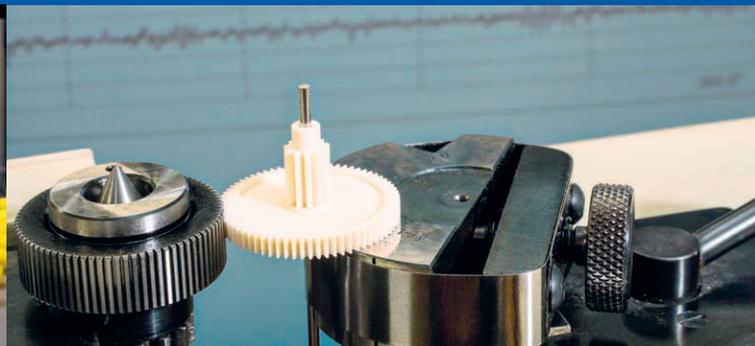
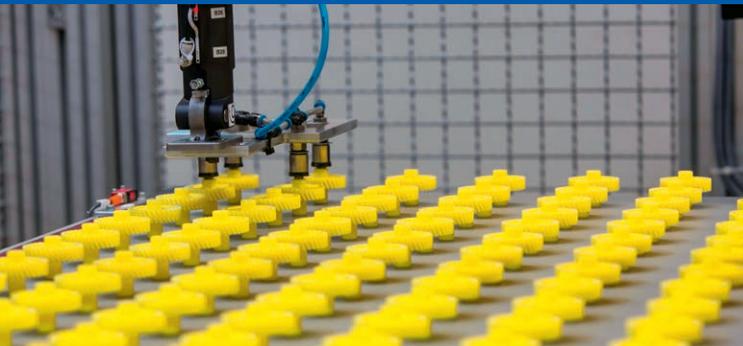
For hybrid components made from a combination of plastic and metal, we work together with competent suppliers from the metal industry.



mast 
kunststoffe

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Production expertise

Development / design

In our company, development begins even before the injection moulding machine is designed. We advise our customers from the quotation phase until configuration of the component or the overall assembly – a prerequisite for optimum components. Many of our customers hold us in high regard as a development supplier and, at the same time, development partner.

Manufacturing feasibility analyses, FMEAs, simulations and calculations are part of our daily routine. In this way, the cornerstone is laid for a precision product that meets the demands of zero errors and optimal cost/benefit ratio.

Mould construction

Our mould construction service guarantees optimal realisation of your and our ideas, designs and data.

The interplay of highly qualified staff and many years of experience, best technology and resources, maximum flexibility, distinctive cost awareness and deadline responsibility at all times result in high precision moulds and satisfied customers. Our perfect moulds represent long service life, high availability, maximum cavities, short cycle times and good value production.

Injection moulding

Injection moulding is our core process. Highly automated processes ensure the highest level of process stability, free of human influence and low costs.

We produce quality thanks to state-of-the-art process technology. Insertion and withdrawal robots, process monitoring and regulation are just a few key words for our production methods.

Further processing / assembly

We are happy to supply our customers with complex assemblies and finished individual parts.

Pronounced process expertise in many further processing methods make us the trusted assembly supplier.

Our methods: Embossing, imprinting, laser cutting, welding, component assembly and inspection.

Quality

We are committed to the zero error strategy. State-of-the-art production technology and our many years of experience, closed process chains from the initial idea of a product to design and construction of the precision mould in-house right up to actual series production guarantee fault-free parts.

The fact that we are able to verify and document the quality of our products with the aid of suitable measuring instruments and methods is a matter of course.

We rely more and more on CPC (Continuous Process Control). This assures the lowest failure rates and low quality assurance costs.

