tool & mold making

Vita

Boßler Werkzeug & Formenbau GmbH was founded in 2009 by Gert Boßler.
Since then, we have been designing and building high-precision tools and molds for plastic injection molding and metalworking near Amberg in the beautiful Oberpfalz.
Today, we are at home in the high-tech project worlds of automotive, white goods, the electrical industry, medical technology, LPM, and Duroplast.
Our team of 20 highly [illegible] purposefully, and sustainably transforming even the most complex product ideas into optimal technical, design, and efficient solutions for our customers – with manufacturing. Our many years of experience, high-end expertise, and state-of-the-art machinery guarantee the highest possible precision, the best Boßler quality, and your long-term success. We also prove this annually with our QM certification according to DIN EN ISO 9001:2015.

Founded in 2009 by Gert Boßler

Automotive, white goods,
electrical industry, medical
technology, LPM, Duroplast

Boßler Werkzeug & Formenbau GmbH

Certified annually in accordance with DIN EN ISO 9001:2015

BoBler
Werkzeug & Formenbau GmbH

Our design department offers the highest technical standards and quality on the market.
Our highly qualified engineers use HEXAGON VISI CAD software and the MOLDEX3D CAE system to design tools according to your requirements with a high degree of efficiency. These tools enable us to precisely simulate and analyze a wide variety of production and manufacturing processes well in advance of parts production.
The benefits of choosing „Boßler Tools“:
We are always in direct contact with you and listen to your needs. We provide fast, [illegible] and reliable solutions.
We always find solutions to even the most challenging issues. The „MOLDEX3D Material Characterization and Research Center“ provides us with accurate data on forward-looking developments in plastic injection molding, which is increasingly important for the circular economy, both economically and ecologically.
Our highly efficient CAD/CAE software enables us to respond quickly and economically to your requests for changes almost in „real time“ throughout the entire design phase. We optimize costs through high tool productivity and sustainable quality. We produce as if the result were for ourselves.

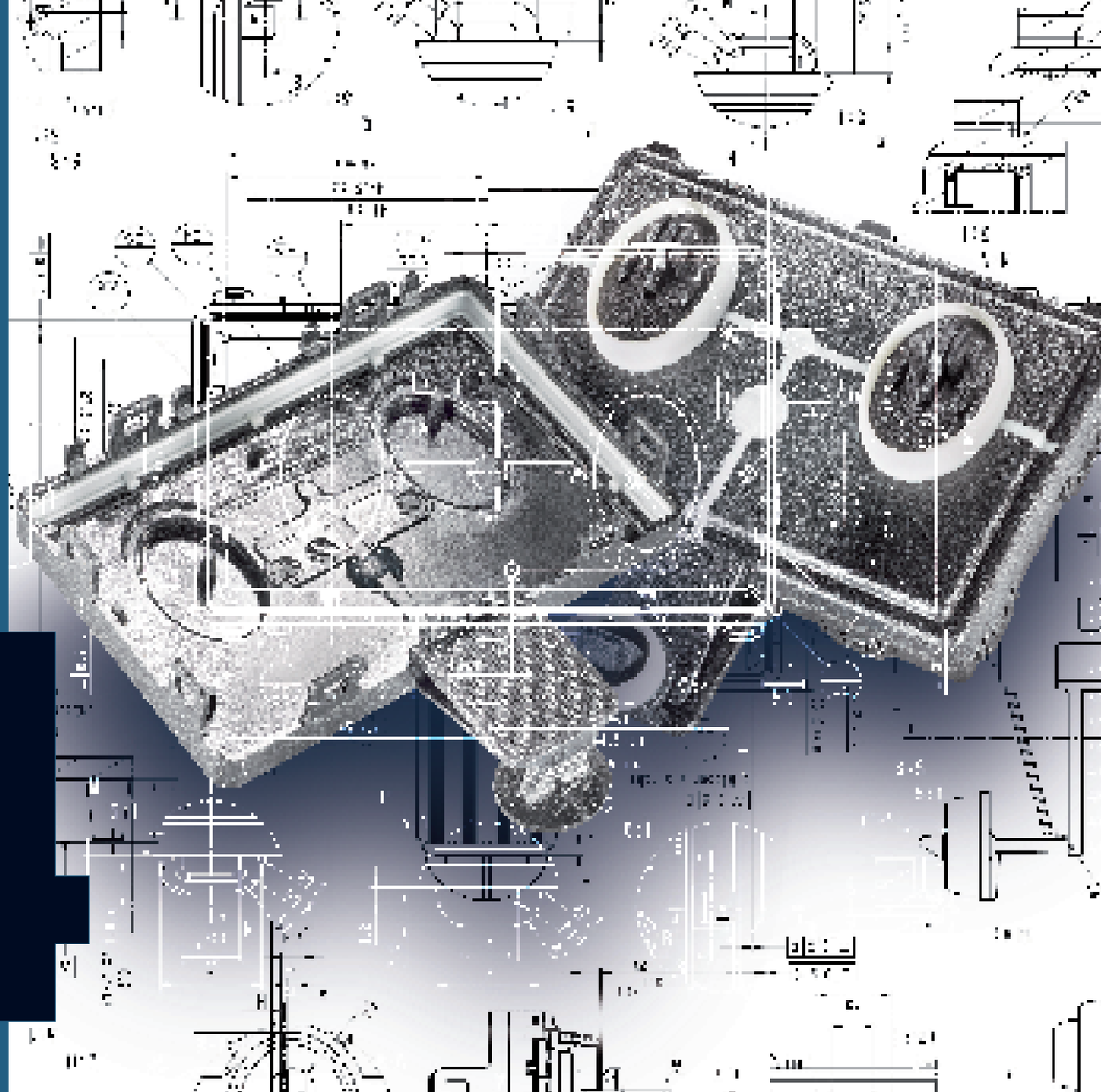
construction

Quality is our daily bread.

HEXAGON VISI
MOLDEX3D
Material Characterization and Research Center

We produce as if the result were for ourselves.

4

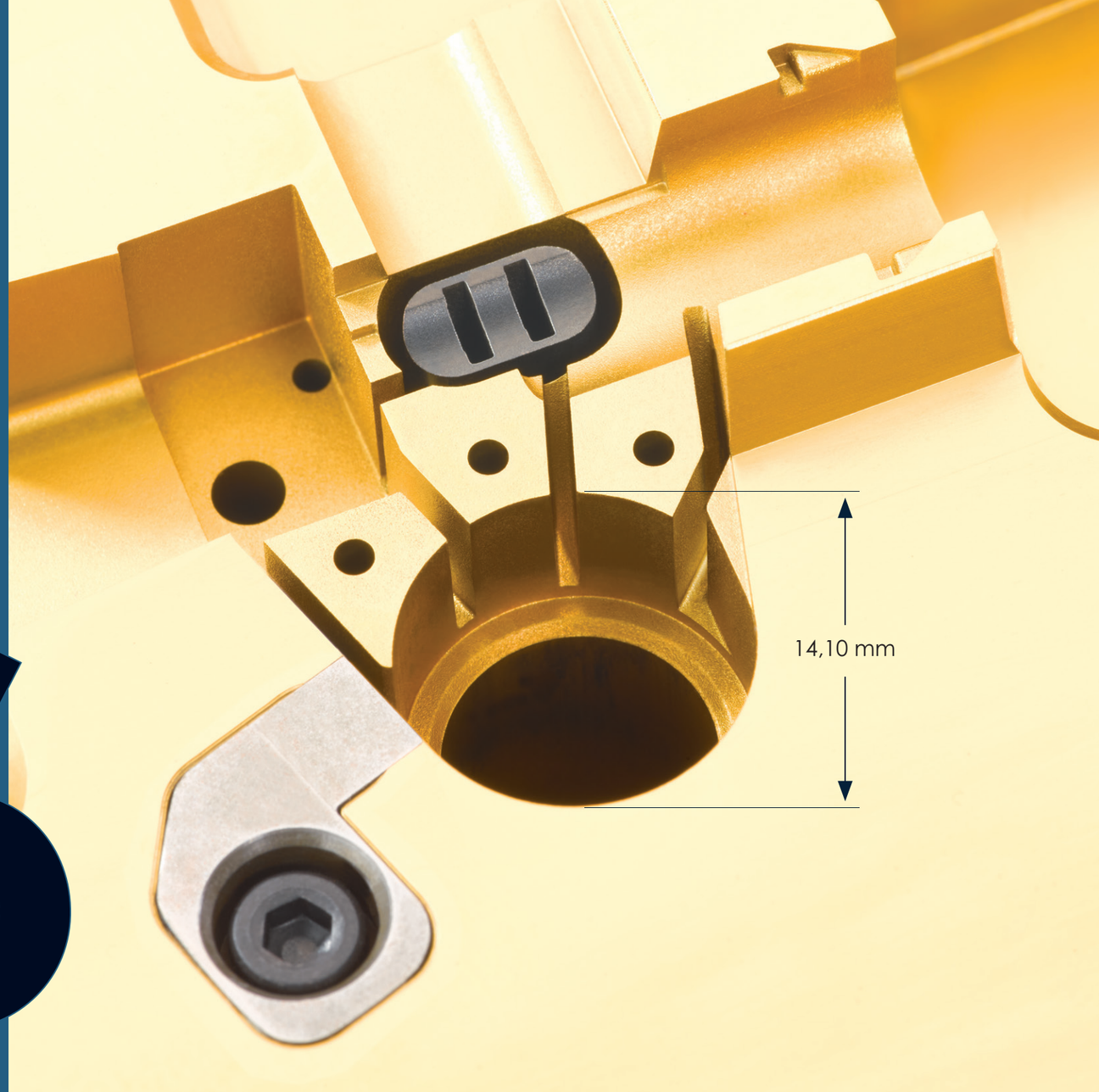


tool
mold making

Our efficiency is your efficiency.

Link between development and production
high-end Know-how
20 top performers

The result is technically sound and efficient solutions.



TSG is one of the key technologies for tomorrow's industry.
Saving material, weight, and energy resources enables significant emission reductions and improved environmental performance.
We offer you powerful tool technology that meets your specific requirements and is designed for a wide range of TSG processes involving chemical and physical foaming. Advantages of thermoplastic injection molding for the product:
Weight and material savings, increased dimensional stability, low-warp, low-residual stress components, high rigidity, fewer/no sink marks, no cavities, high mold quality, gas reduction, increase of wall thicknesses, high surface quality of the manufacturing process: Reduction in energy requirements due to: shorter cycle times, lower internal mold pressure, lower clamping forces, lower process temperatures, faster demolding.
LPIM is particularly suitable for components that require effective protection against external influences or where component housings are to be/can be [illegible].
Low-pressure injection molding (LPIM), which specializes in this area, offers a wide range of advantages:
The casting material (hot melt) is processed in a hot liquid state with very low viscosity and requires only very low injection molding pressures. This is particularly important for components that are highly sensitive to pressure, impact, and [illegible] (circuit boards, LED electronics), sensors, microswitches, etc.).
Comparatively simple, cost-efficient, and maintenance-friendly tool technology with optimized shaping (flexible, miniaturized product design with a wide variety of surface and shape properties). Overmolded components and parts are waterproof, offer vibration protection and strain relief, have very good chemical resistance, offer high environmental compatibility (hot melt material made from renewable raw materials, 100% recyclable), and have very low cycle times: the conventional 7-step molding process is reduced to a 3-step injection molding process - cycle times are reduced to < 60 seconds, multi-cavity tools enable optimized productivity and cost efficiency.
They are used in a wide variety of industries, such as electrical engineering and electronics, automotive, trucks, buses, railways, agricultural and construction machinery, household appliances, medicine, environmental technology, laboratory and measurement technology. Are you starting a new project? Do you want to give "old" components a lightweight product improvement? - Contact us.

specialties

Top performance in precision.

Tools for
Thermoplastic injection molding,
Thermoplastic foam injection molding,
Low-pressure injection molding LPIM

High-end expertise. Always up to date.

quality

quality

In a nutshell.

HEXAGON VISI

MOLDEX3D

Material Characterization and Research Center

Measurement technology: tactile, optical, scanning, CT, GOM

Mark of precision: Boßler Tool & Mold Making

BoBler

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