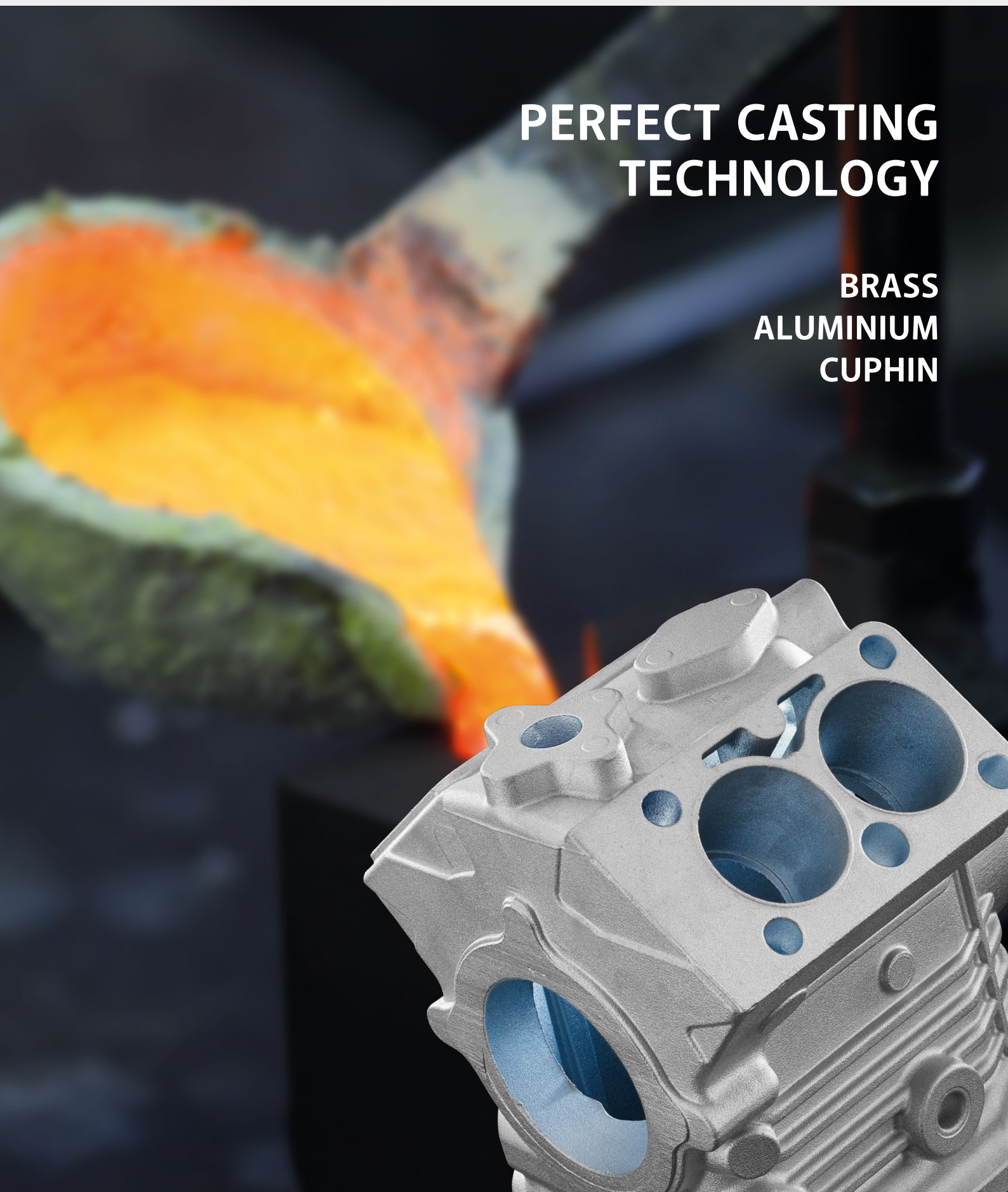


# PERFECT CASTING TECHNOLOGY

**BRASS  
ALUMINIUM  
CUPHIN**





## ABOUT US

We, the Walter Wagener Company, have been developing innovative product solutions in the field of gravity die casting since 1954. Today, we are among the few specialists that, apart from brass and aluminium, also process Cuprin. We produce gravity die castings in aluminium and brass, and have been certified to the ISO 9001:2015 standard since 2016.

Our customers include renowned companies from a wide range of industry sectors. We use our in-house toolmaking facility to manufacture the moulds or models that turn your drawings or 3D models into casting tools. After the casting process, you can choose from a wide range of further processing options, such as turning, milling, leak testing, mechanical machining and complete assembly works.

## CONSULTING & DEVELOPMENT

Before we start with the actual construction and production works, we define the product requirements and ideal production processes in coordination with our customers. Experience has shown that, already at this stage, our know-how can contribute to a significant improvement of the future workpiece. We use high-performance construction and simulation software that adopts your drawings and data and incorporates them into the construction process.

## CUSTOMISED SOLUTIONS

The manufacture of a cast piece starts with the innovative development and implementation of customised product solutions. Only after all questions have been clarified will we start the computer simulation. Thus, we are able to implement our customers' requirements in a fast, cost-efficient and effective way. When doing so, special attention must be paid to the aspects of the material, further processing and future use. Our many years of experience in casting technology make us your high-performance partner when it comes to the economic development and effective implementation of innovative product solutions.







## TOOLMAKING

Our in-house toolmaking facility is of great advantage when it comes to ensuring smooth production processes and top-quality products. Armed with the knowledge of casting specialists, our tool-makers manufacture high-precision tools that are perfectly maintained during production. Thus, we are always able to ensure technically flawless production processes and perfect quality standards.

## ASSEMBLY PRODUCTION

Our performance portfolio also includes the complex production of assemblies. You will receive a full service package from a single source, and have only one contact for all required work steps. Our experienced employees work with great care and precision. Additional quality controls ensure high-quality end products. This saves both time and money.

## QUALITY ASSURANCE

Prior to their final delivery, all products are subjected to strict quality controls. From random checks to 100-percent inspections, we implement comprehensive quality assurance measures. We have been certified to the DIN ISO 9001:2015 standard since 2016. Naturally, we also perform internal audits with our customers.

## CASTING & PROCESSING

A state-of-the-art machine pool is a fundamental prerequisite for modern production processes. The fact that we continuously invest in more efficient machines has positive impacts on both the quality of our products and the speed of our production processes. Our employees upgrade their skills through continuous training and further education, which ensures that they are always at the cutting edge of gravity die casting processes. Our service does not stop with the completion of the casting process, but includes many further processing options for your product. Depending on your requirements, we are able to deliver complex finished goods. Turning and milling operations are just two examples from our vertical range of manufacture. Besides, we also manufacture complete assemblies.





## PRODUCTION

The core-making shop is the preliminary stage of our casting production. This is where we create complex core elements for particularly demanding castings. Incoming goods inspections and in-process testing ensure high production reliability and quality.

We use a state-of-the-art, automatic mould casting machine of the latest generation. Thus, we are able to guarantee smooth and efficient production processes and cast different materials and alloys such as aluminium, brass and Cuphin. Final functional tests guarantee our gravity die castings' high quality standard.

## BRASS CASTING

Gravity die castings have always been manufactured from brass.

We too have been working with brass ever since the company was founded in 1954. As a consequence, we can fall back on extensive expertise and experience with regard to this material.

## ALUMINIUM CASTING

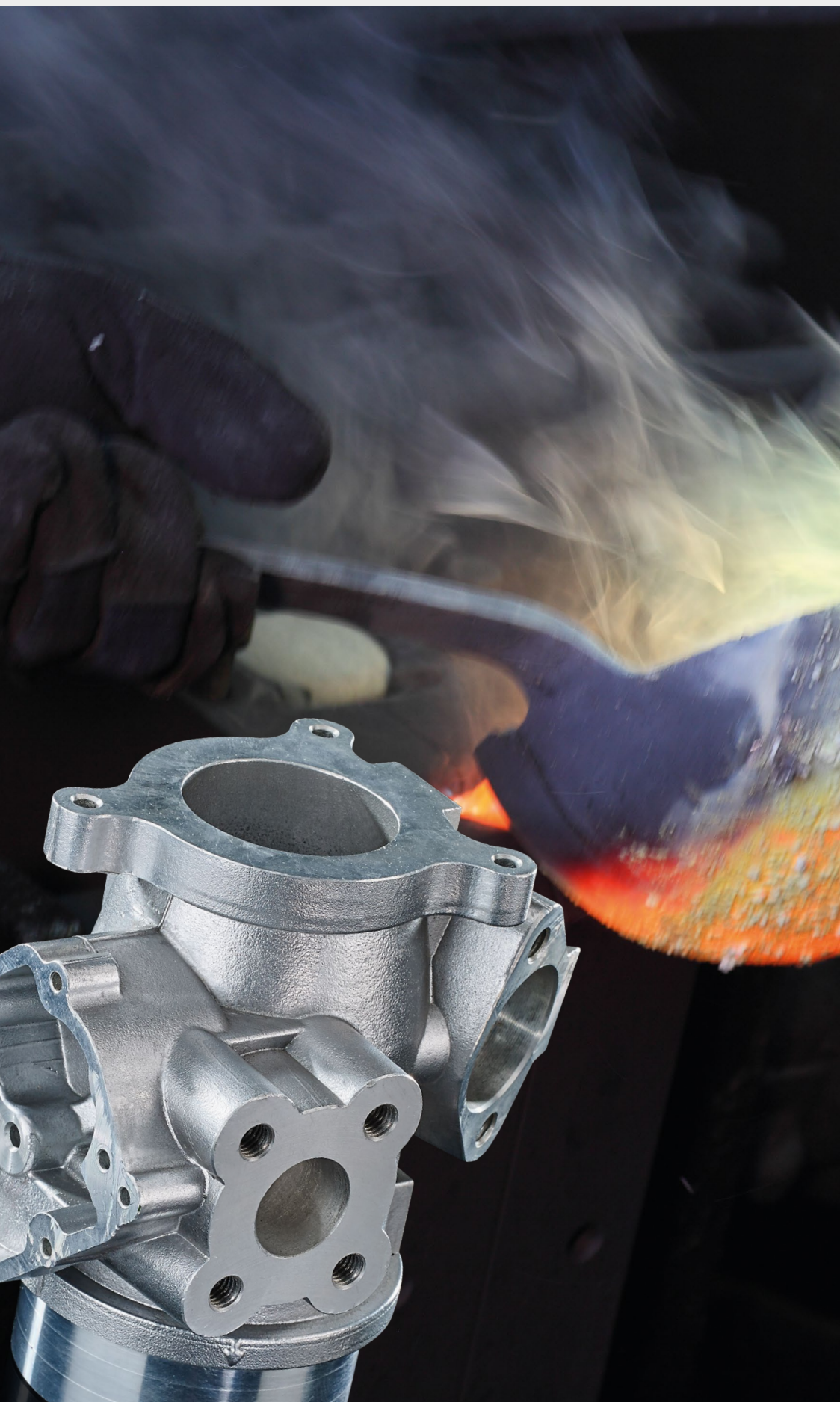
Aluminium challenges the process of gravity die casting and requires knowledge of the material. Compared to other metal parts, aluminium parts are light but nevertheless able to achieve high strength. Our aluminium castings are used in a wide range of industries.

## CUPHIN

Through intense development work, we have succeeded in casting the new material CUPHIN for virtually all imaginable moulds and applications. This makes us one of the few German companies that, having dealt in considerable detail with the material, are able to meet the new processing requirements as early as today.







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