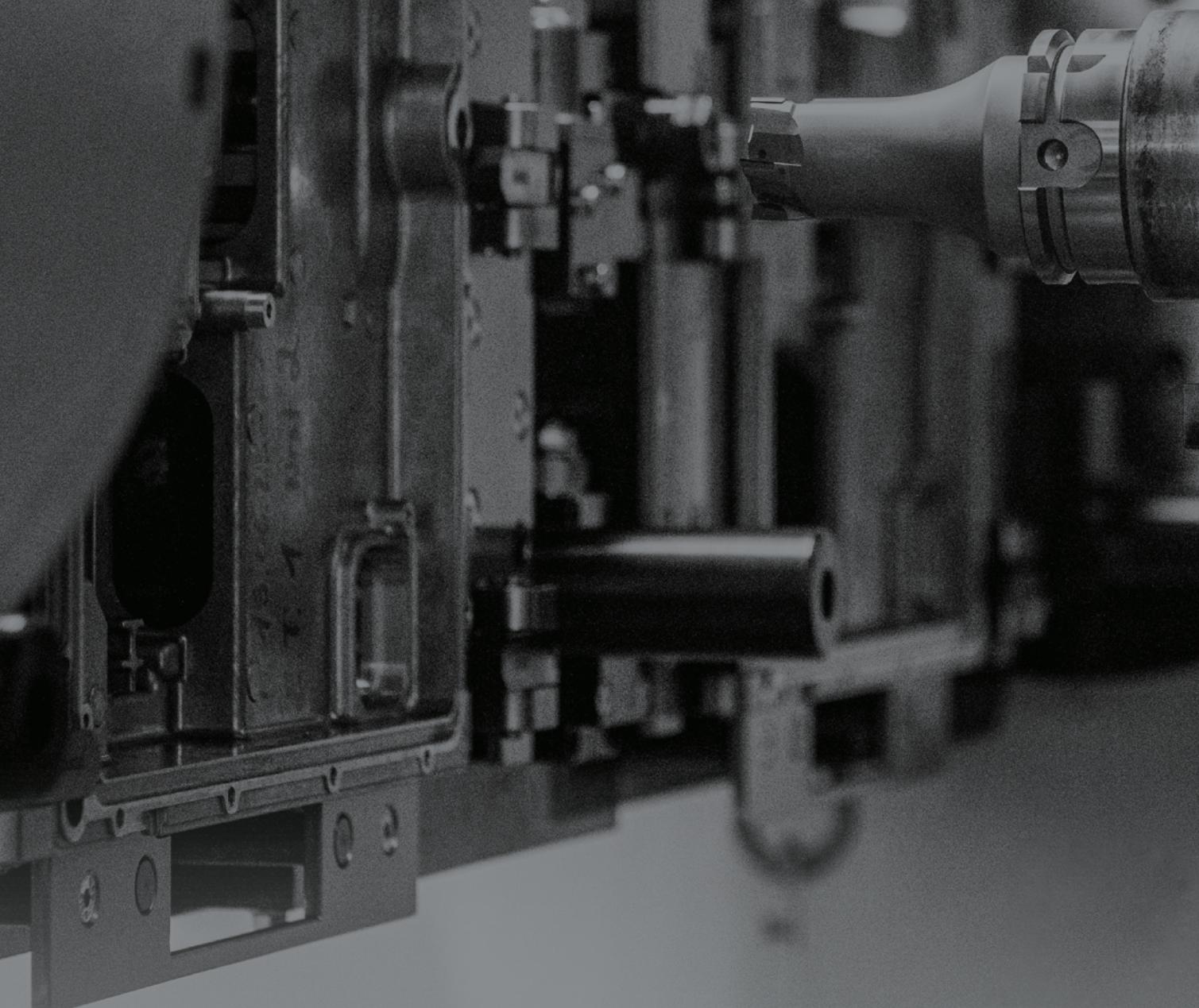


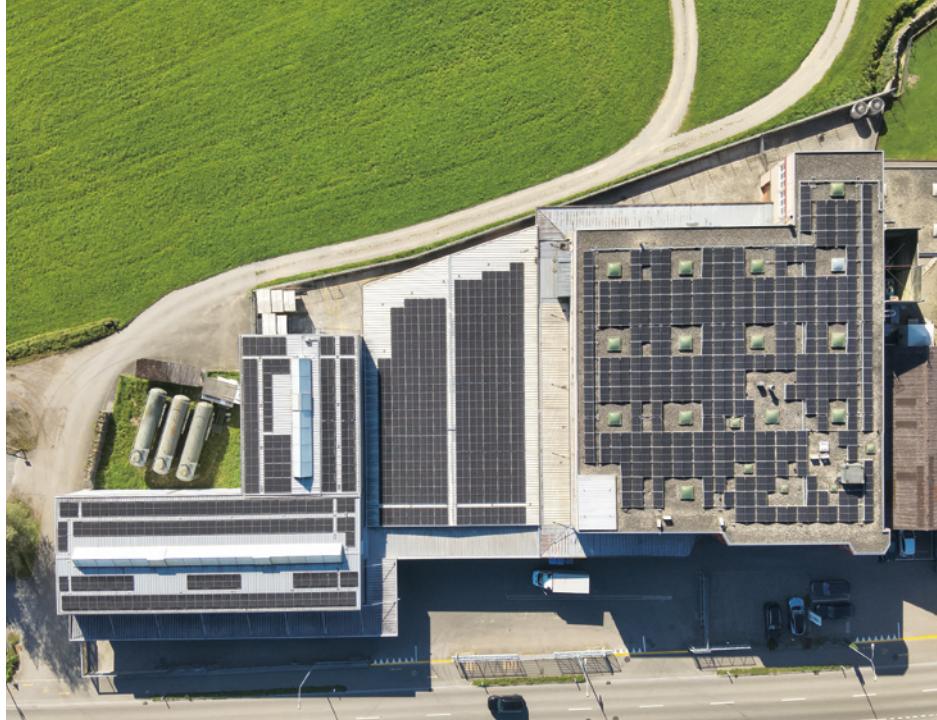
Beyond Aluminum. Made for your Success.

From analysis to series production – your partner for aluminum die casting solutions.



ALUWAG





We are ALUWAG

Expertise that grows. Values that last.

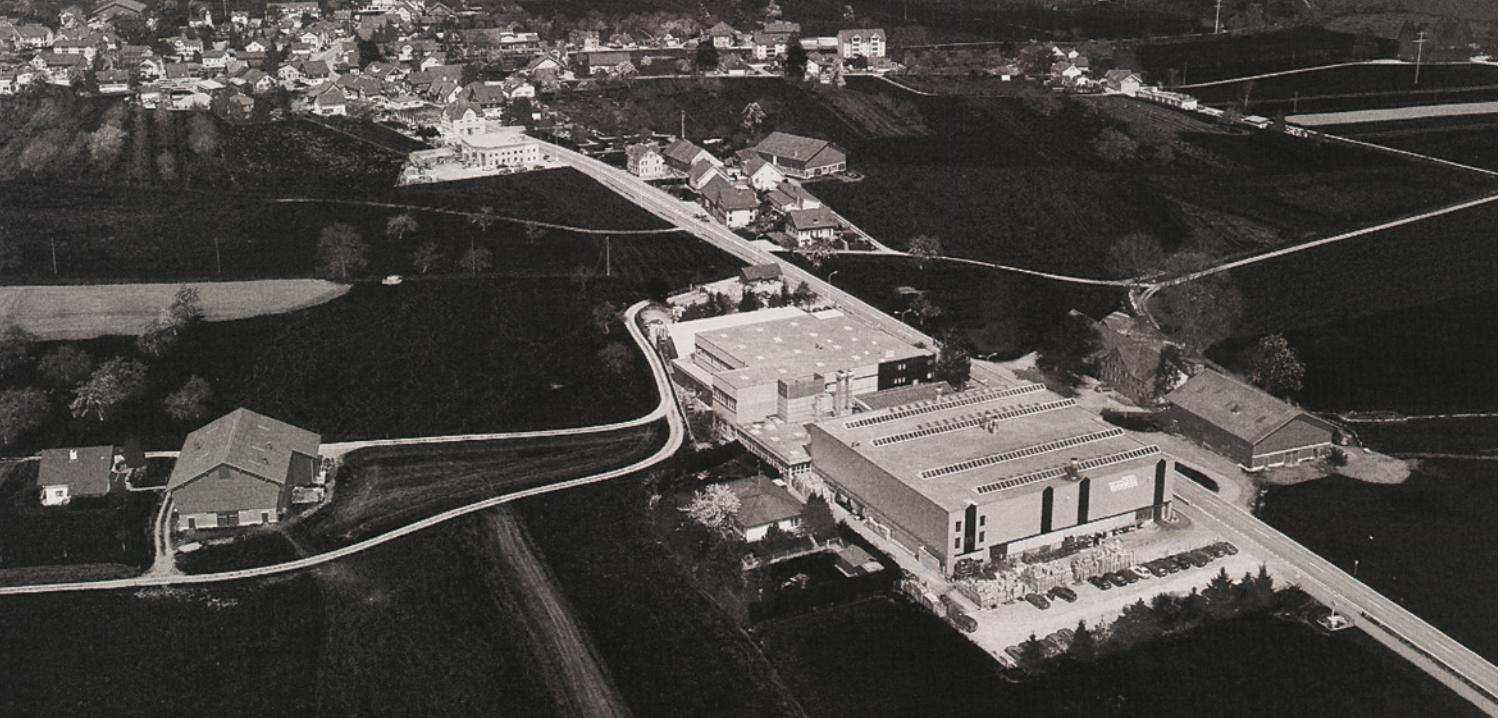
For over 50 years, we have been developing and producing high-quality aluminum die casting solutions for customers with the highest expectations. Our strength lies in combining experience, precision and an innovative spirit. As a Swiss family-owned company, we act sustainably, reliably and in partnership – qualities our customers can count on.

Our values

- // **Quality:** Maximum precision from idea to series production
- // **Partnership:** Committed collaboration on equal terms
- // **Innovation:** Continuous improvement of processes and solutions
- // **Sustainability:** Responsible use of energy and resources

Innovation and sustainability

For us, innovation means continuously optimizing processes together with our customers – efficiently, precisely and reliably. Sustainability starts directly in our production: we use primary and secondary alloys and a circular recycling approach within our own process – runners, vents and returns are consistently remelted. Complemented by the operation of a solar power system and certified environmental management in accordance with ISO 14001, we take responsibility for resources and the environment – while at the same time ensuring stable, future-oriented manufacturing for our customers.



Our history

From 1971 to today: Pioneers in aluminum

Since our founding in 1971, Aluwag has evolved from a regional provider into an internationally recognized specialist in aluminum die casting solutions.

Key milestones in our history:

- 1971** // Founded as Aluwag Gebrüder Wagner AG
- 1986** // New foundry and production halls built
- 1993** // First ISO certification (quality)
- 2006** // Generational change – renamed to Aluwag AG
- 2007** // ISO 14001 environmental certification
- 2018** // Investment in a 2,200 t die casting cell
- 2020** // IATF 16949 certification
- 2021** // Expansion of machining operations



“Our customers expect more than components. They need solutions that minimize cost, time and risk. That is exactly what we stand for at ALUWAG – Beyond Aluminum.”

René Wagner
Managing Director/Owner

Our process – We work for you

From analysis to series production – your path to the optimal die casting solution.

Analysis

A key step towards a tailored die casting solution.

Every successful die casting solution begins with a thorough analysis. We review the requirements, geometry and functionality of the planned component and assess technical, economic and process-relevant aspects. Our feasibility, material, cost and risk analysis form the basis for customized aluminum die casting solutions. This is how concepts are created that are both technically mature and economically viable.

With this systematic approach, we create transparency, minimize risks and lay the foundation for successful series production.

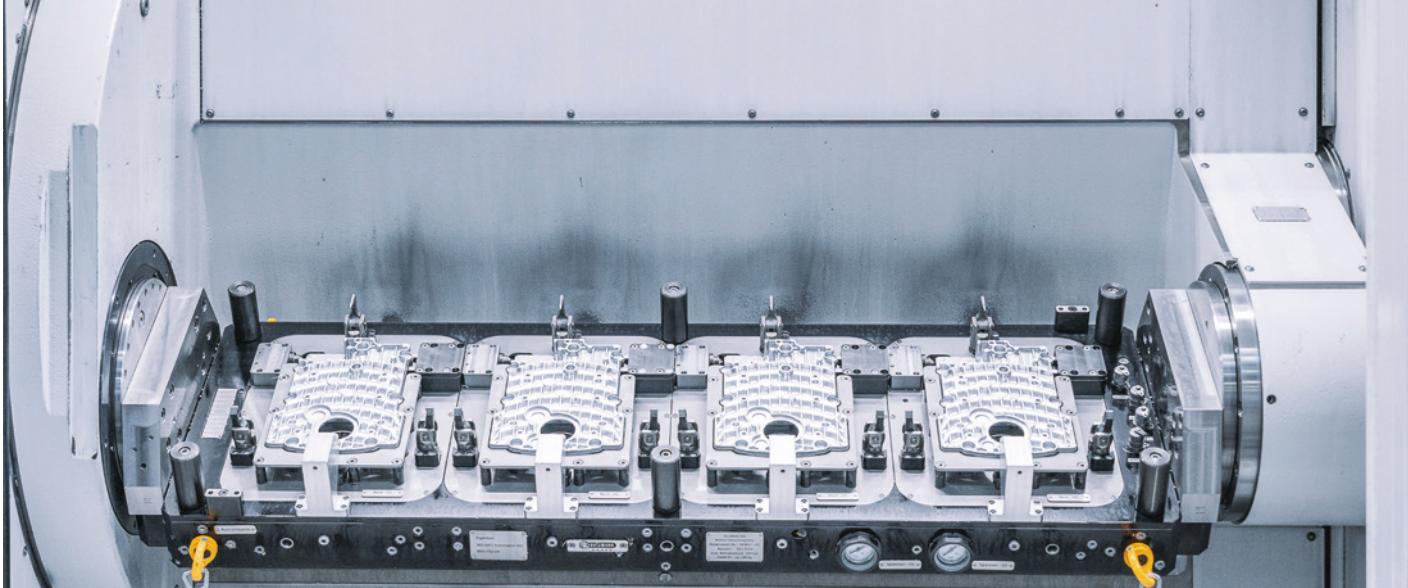
Development

Material expertise that opens new possibilities

During the development phase, we bring together engineering, materials technology and laboratory research. In addition to standard alloys, we also cast in-house developed special alloys with specifically tailored chemical and physical properties. These customer-specific materials are developed in our own laboratory – through targeted alloy development, adaptive component design and continuous process optimization. Our engineering team uses state-of-the-art simulations, FEM calculations and material analyses to ensure the quality and performance of every solution.

This is how we push the boundaries of what is possible in aluminum die casting – precise, efficient and tailored to our customers' requirements.





Aluminum die casting

Precision, efficiency and process reliability in every production run.

In aluminum die casting, we combine decades of experience with a modern understanding of processes. Our equipment enables the cost-effective manufacture of demanding components – from small to large series. We use stable, repeatable processes, automated handling systems and seamless quality monitoring.

The combination of optimally tuned casting parameters, precise toolmaking technology and in-depth materials expertise ensures consistently high component quality. Thanks to our deep understanding of alloys and their behavior during the casting process, we deliver solutions that are technically convincing and economically sustainable – from the initial idea through to series approval.

Post-processing & finishing

Perfection down to the last detail – assembly-ready from a single source.

After the casting process, the fine work begins. During mechanical finishing, components are deburred, machined, inspected and refined – exactly to customer specifications. Our machine park includes CNC machining centers, automated inspection stations and flexible assembly cells. Every part undergoes seamless quality control – from visual inspection to measurement documentation.

By combining precision, process discipline and experience, we deliver aluminum die cast parts that are ready for immediate use – assembly-ready, documented and reliable.





Results that convince

Tailored solutions that prove themselves in practice.

Practical relevance is the benchmark for our success. Every aluminum die casting solution is developed in close coordination with the customer and optimized for its application – technically and economically.

A real-world example shows how Aluwag combines engineering and materials expertise:

For a high-performance marine gearbox, an existing sand-cast solution was redesigned and converted to aluminum die casting.

The result is three separate die cast parts that together form the housing of a high-performance engine – designed for over 600 hp and the highest loads at sea.

Through targeted alloy selection, optimized tool design and the use of various die casting technologies, weight, cycle time and production costs were significantly reduced, while strength and process reliability were increased.

This example represents our approach: technical precision, sustainable cost-efficiency and tailored solutions.



Learn more about our die casting solutions –
www.aluwag.com/en

Erstklassige Qualität

Innovative Lösungen

Kompetenz in Beratung

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Your advantage. Our experience

Tailored die casting solutions in action.

Materials expertise

In-house developed and standard aluminum alloys for specific requirements.

Engineering & process reliability

End-to-end support from analysis to series production.

Cost-efficiency

Optimized cycle times, reduced costs, maximum repeatability.

Reliability & partnership

Long-term collaboration with leading industry partners.



 **Kapyfract**

Wir sind Marktleader in der **FEUERFESTTECHNIK**:
Handel, Produktion und Montage.

Unser qualifiziertes Team steht Ihnen beratend und kompetent zur Seite. Ob Neuzustellungen oder Reparaturarbeiten, unser Leistungsangebot reicht von der Planung und Materiallieferung bis hin zur Montage der feuerfesten Auskleidung.



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UNSEREN IMAGEFILM



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Unsere Turnkey-Lösung –
und Entgratungspres
perfekt auf Ihre Produktionsa
Lieferung und Umsetzung erf
und Aulba

Komplettlösungen für Ihre Produktion



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Individuelle Pressensysteme,
maßgeschneiderte Steuerungen und
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gefertigt für höchste Ansprüche.



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Regelmäßige Sicherheitsprüfungen
durch unsere Experten -
dokumentiert und normgerecht nach
aktuellen Vorschriften.



Retrofit & Modernisierung

Wir bringen Ihre bestehende Anlage
auf den neusten Stand -
wirtschaftlich, nachhaltig und
zukunftssicher.



Wartung & Service

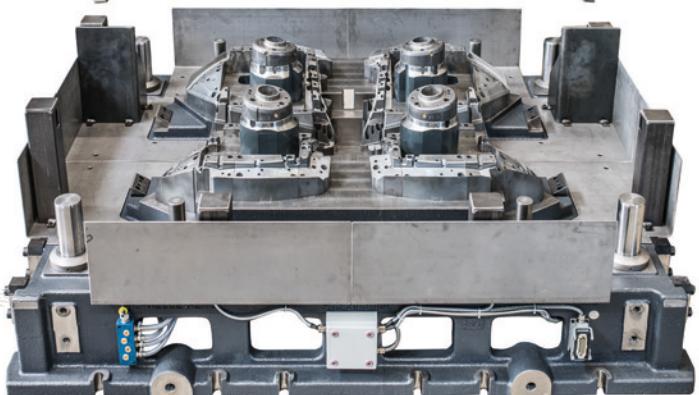
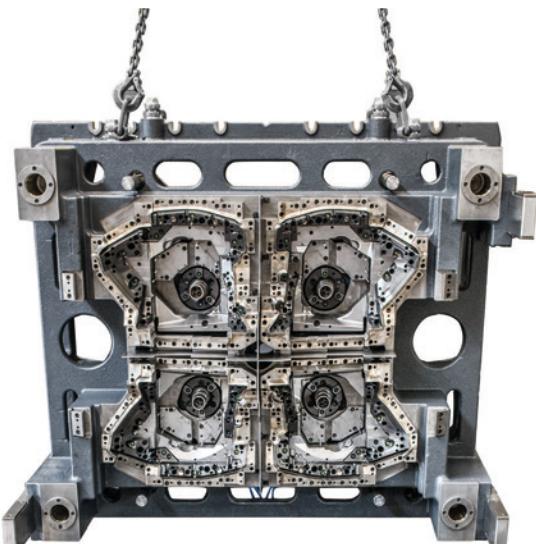
Schneller, kompetenter Support -
von der Ersatzteilversorgung bis zur
vorbeugenden Instandhaltung.



www.abk-pressenbau.de

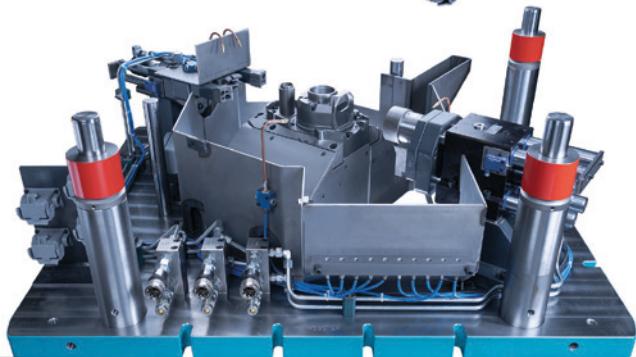
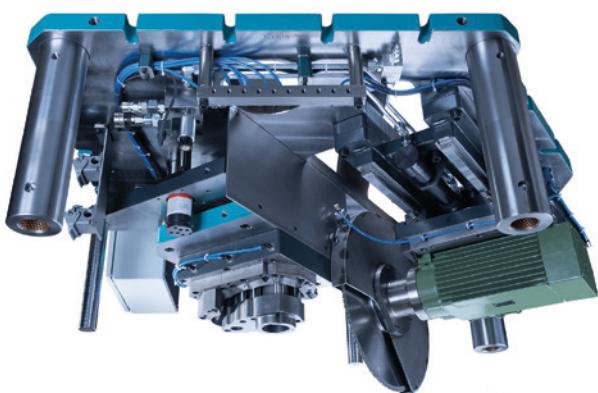
KEY SOLUTION TOOL and Press

bestehend aus Entgratungswerkzeug
– bietet Ihnen ein komplettes,
Anforderungen abgestimmtes System. Die
Folgen gemeinsam durch abk Pressenbau
und Entgratungstechnik.



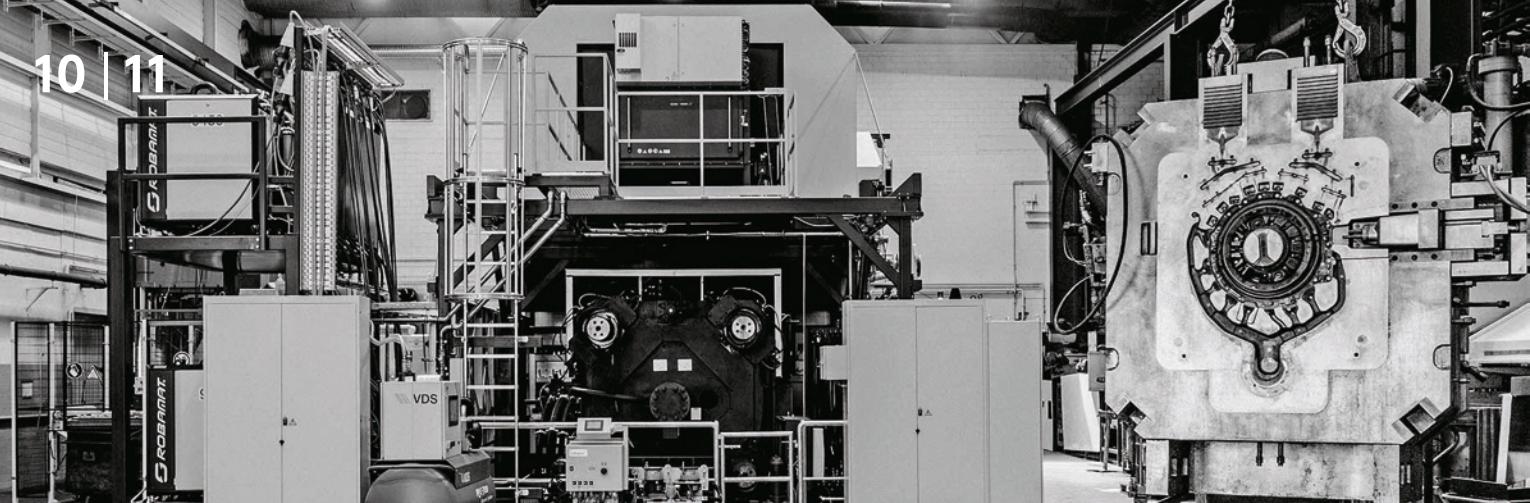
Entgratungswerkzeuge für jede Anforderung:

- Aluminium
- Magnesium
- Eisenguss
- Zink-Bronze
- Spritzguss
- Blei



UNSER
UNTERNEHMEN





Technology that enables precision

High-performance. Flexible. Process reliable.

Our machinery combines state-of-the-art die casting technology with comprehensive machining expertise. Seven automated die casting machines with clamping forces from 530 t to 2,200 t form the heart of our production. Systems from Bühler and Frech enable process-reliable and cost-effective series production with the highest precision. For mechanical machining, we offer a broad range of CNC technologies – from 3- to 5-axis machining centers to conventional milling and turning machines.

In surface treatment, blasting and vibratory finishing systems ensure consistent quality and reproducible results. Parts cleaning and leak testing are carried out in-house using automated cleaning systems and high-precision equipment from Fröhlich and Atec. This end-to-end process chain – from die casting to final inspection – ensures maximum flexibility, traceability and stable series processes.

Die casting:

- // 1x Bühler 530 t
- // 3x Bühler 800 t
- // 1x Bühler 1'200 t
- // 1x Bühler 1'800 t
- // 1x Frech 2'200 t

CNC machining:

- // 3-axis: Mikron VCE 600, VCP 600 (2x), HSM 800
- // 4-axis: SW BAW06-22, Chiron FZ16W
- // 5-axis: Matec HV30, SW BA One6

Conventional:

- // Mikron milling machines, Colchester & Schaublin lathes

Surface & cleaning:

- // Rösler blasting system
- // Vibratory finishing systems (2x large, 1x small parts)
- // Zippel continuous-flow and basket cleaning (ultrasonic)

Inspection:

- // Leak testing systems (Fröhlich / Atec)

KRG AG

Station-Ost 9 | 6023 Rothenburg

www.krg.ch

RHEINFELDEN

Aluminium Rheinfelden GmbH

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werden Ihre Güter
abfahren.

Ihr Partner für Transport-, Logistik- und
Verzollungsdienstleistungen mit Standorten
in Wil, Schwarzenbach, Schaffhausen
und Konstanz.

400 Mitarbeitende
130 Lastwagen
100'000 m² Lagerfläche
125'000 Palettenplätze



Our employees



“True strength shows in shift work. At ALUWAG, team spirit, clear processes and quality all come together – that's why I've been proud to be part of it for 22 years.”

Dejan Simic

Shift Supervisor, Foundry, 22 years



“ALUWAG is a reliable employer for me, with real scope to shape things. I can actively develop processes further and know that trust and quality go hand in hand here.”

Sujivan Srikantharajah

Head of Foundry, 11 years



“At ALUWAG, I value the direct, personal exchange and the flat hierarchy. From the raw block to the finished die casting mould, I can contribute my know-how and create solutions that make our quality visible.”

Daniel Hugentobler

Toolmaking Team Leader, 20 years



“In my apprenticeship at ALUWAG, I'm given responsibility and trust. The short paths and the human approach help me grow quickly.”

Lara Martin

Apprentice – Commercial Employee (EFZ),
3rd year of apprenticeship



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SPRITZGUSSWERKZEUGE
ZWEIKOMPONENTENWERKZEUGE



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