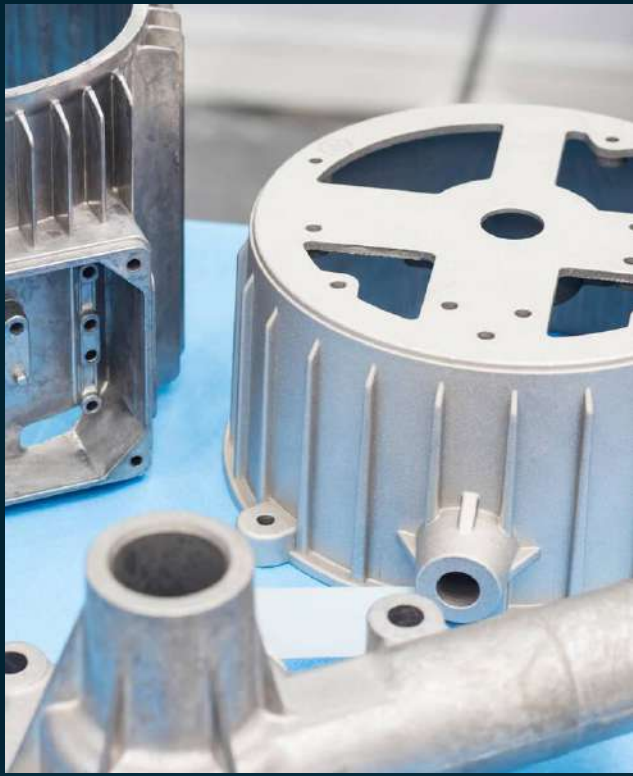




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# INTRODUCING **ALUMEXHD**





# PRECISION. STRENGTH. INNOVATION

## OVERVIEW

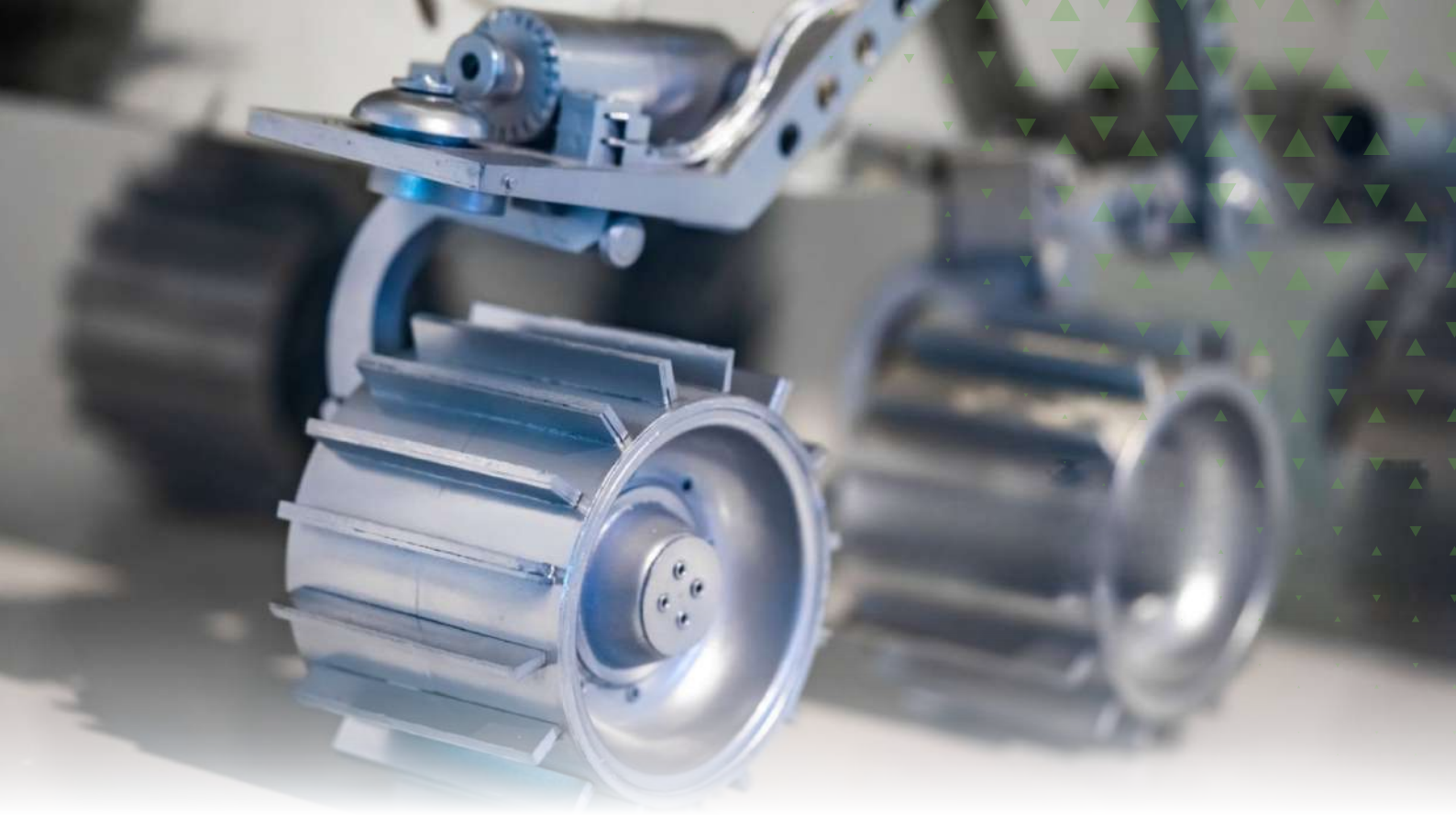
At Alumex Plc, we are excited to introduce our latest addition: High Pressure Aluminum Die Casting—a cutting-edge manufacturing process that ensures superior quality, precision, and efficiency for complex aluminum components.

## WHAT IS HIGH PRESSURE ALUMINUM DIE CASTING?

High Pressure Die Casting is a manufacturing technique where molten aluminum is injected into a steel mold (die) at high pressure. This method produces lightweight yet durable components with exceptional dimensional accuracy, surface finish, and mechanical properties.

## WHY CHOOSE ALUMEX FOR HIGH PRESSURE ALUMINUM DIE CASTING?

- ▶ **Advanced Technology:** Equipped with state-of-the-art die casting machines capable of producing intricate designs with tight tolerances.
- ▶ **Sustainability Focus:** Utilizing energy-efficient processes and recyclable materials to align with global green manufacturing trends.
- ▶ **Expertise in Aluminum:** Decades of experience in aluminum solutions make us a trusted partner in delivering customized solutions.



## APPLICATIONS ACROSS INDUSTRIES

*Our High Pressure Die Casting caters to industries such as:*

- ▶ **Automotive:** Engine components, housings, brackets.
- ▶ **Electronics:** Heat sinks, enclosures, connectors.
- ▶ **Renewable Energy:** Frames and mounts for solar and wind energy systems.
- ▶ **Industrial:** Machinery parts, tools, and more.

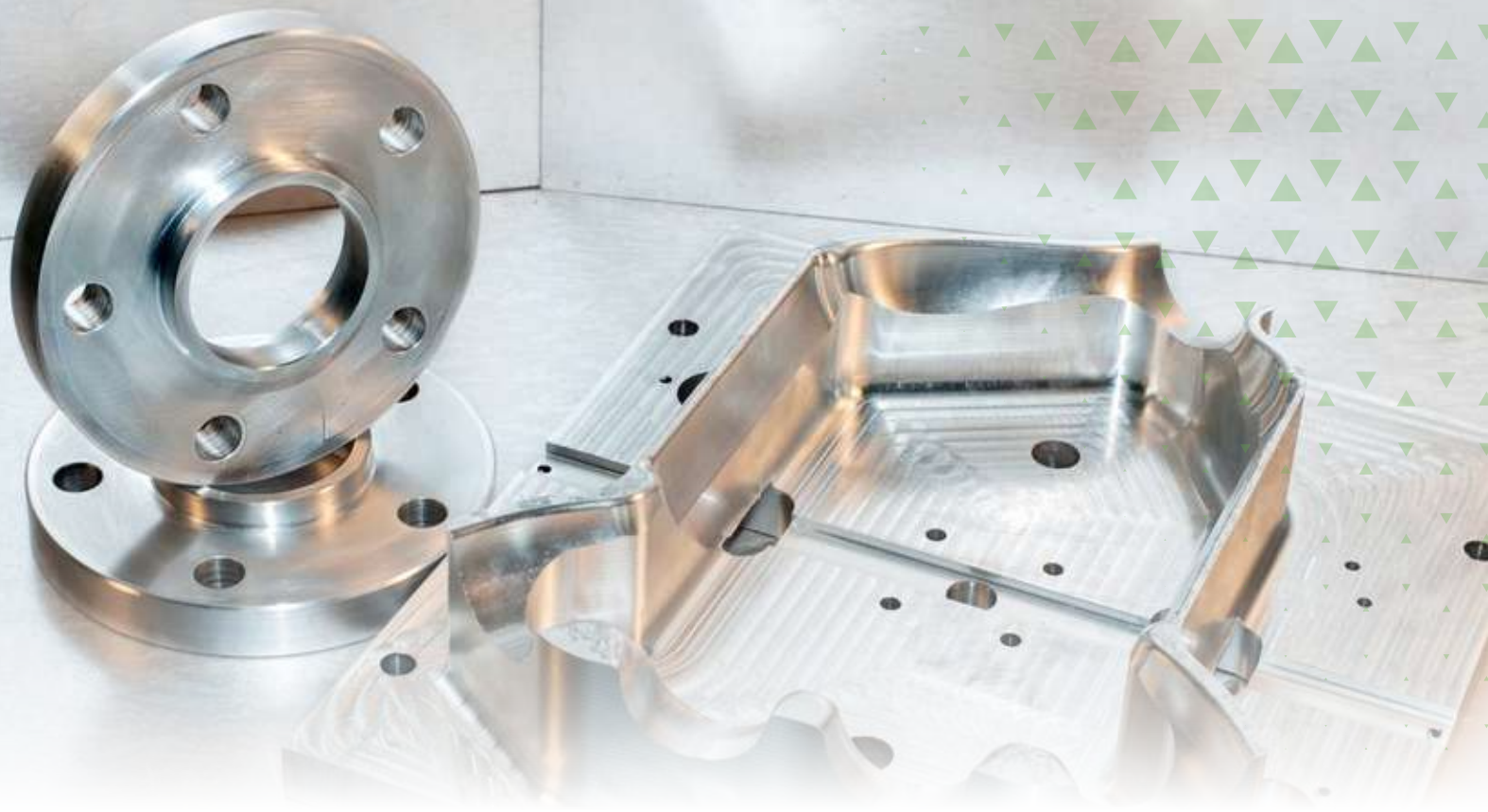


# THE ALUMEX ADVANTAGE

## OUR CAPABILITIES

- ▶ **Capacity:** Able to handle high-volume production efficiently.
- ▶ **Precision Engineering:** Ensuring consistent quality in every casting.
- ▶ **Customization:** Tailored solutions to meet diverse client requirements.
- ▶ **Value-Added Services:** Includes machining, assembly, and comprehensive surface finishing options such as vibratory shot blasting, sand belt finishing, Pneumatic files, sandblasting, powder coating, and anodizing, providing complete end-to-end solutions.





## WHY HPDC MATTERS FOR YOUR BUSINESS

- ▶ **Lightweight and Durable:** Perfect for applications requiring strength without added weight.
- ▶ **Cost-Effective:** Reduced material waste and faster production cycles.
- ▶ **Versatility:** Suitable for intricate designs with high-performance needs.

## QUALITY AND COMPLIANCE

At Alumex, we prioritize quality assurance and adhere to international standards for manufacturing and sustainability, ensuring that our products meet the highest benchmarks.

## PARTNER WITH US

Discover how our High Pressure Aluminum Die Casting can elevate your products and enhance your competitive edge.



### CONTACT US

FOR INQUIRIES OR TO EXPLORE OUR CAPABILITIES FURTHER:

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