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Mg **ty**

Powder, reinvented.



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”AlMgty is high performance aluminum: excellent mechanical properties plus being anodisable, polishable, seawater-resistant. Used in SLM and LMD.”

Higher strength combined with excellent ductility? Check. With AlMgty we can vary the components to create different mechanical properties in accordance with the customer’s requirements. No corrosion. No exotic components. No cost explosions. But high performance.

AlMgty consists solely of generally available components. We do not use ingredients like scandium that are in short supply and where the extraction conditions are hard to control. Without any loss in strength and at an attractive price, AlMgty has exactly the product properties to fit your needs.

Brought to you by the guys who cast and weld aluminum- and bronze-based alloys as pressure-tight parts every day, producing in their sand-casting foundry the most renowned components with high ductility or with high ductility and high strength. With an unmatched worldwide track-record in safety and durability.

Powder, reinvented.



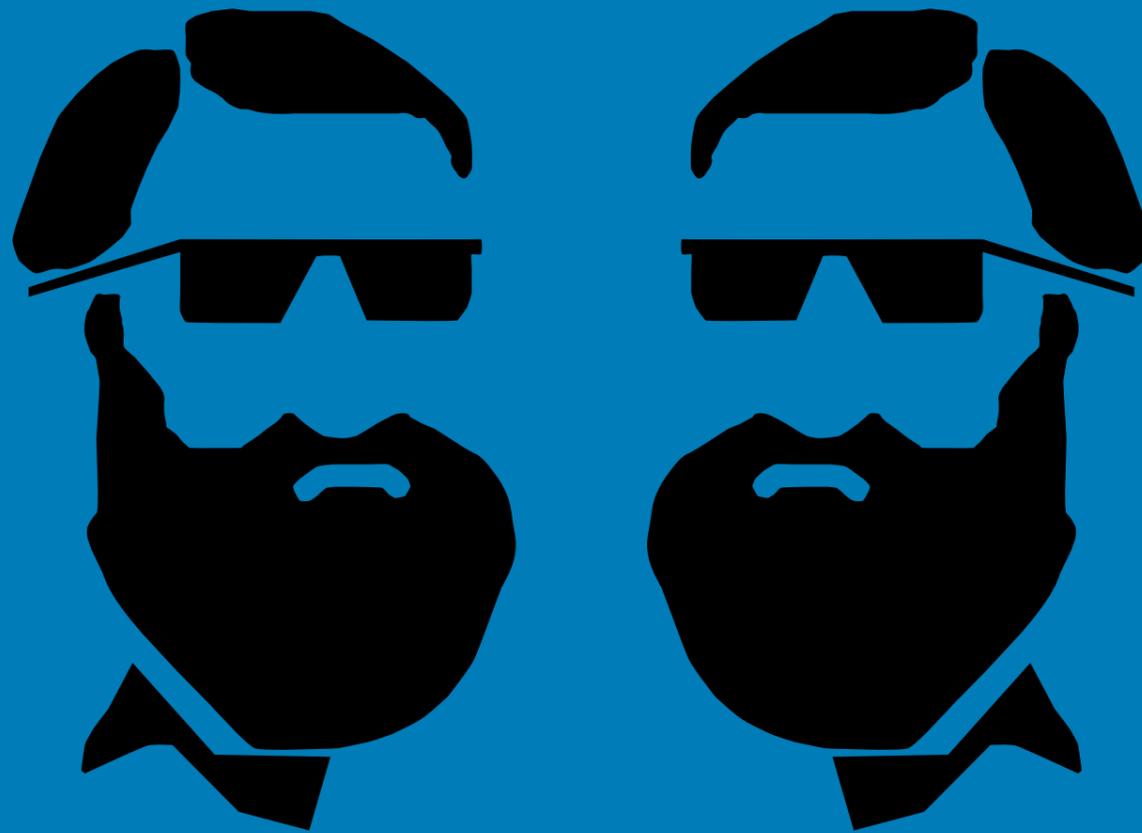
”The same alloy in Additive Manufacturing and as a Casting? Someone had to reinvent the powder.”

Additively manufactured prototype and mass production in sand casting from the same alloy? With very similar mechanical properties? Impossible? Not for you. Not for AIMgty!

From the innovation leader for the development and processing of aluminum alloys for additive manufacturing comes a newly-developed high-performance alloy system to redefine the future of the entire world of 3-D printing.

AIMghty enables components to be produced for the first time from the same alloy by additive manufacturing, either as a prototype or a small series, or mass-produced using the casting method. AIMgty’s mechanical properties remain very similar, whichever production method is used.

Powder, reinvented.



More than 100 reference objects with a worldwide reputation. Wherever the highest demands are made on ductility, strength and corrosion-resistance together with low weight, the world uses safety components made of high-performance aluminum developed by Fehrmann. For end customers like Linde, Air Liquide, Shell, Total and other well-known companies, Fehrmann develops and adapts its own materials to suit the product properties that the client specifies.

”Fehrmann ALLOYS – the joint venture between two partners with an international reputation: Fehrmann und CREMER.”

Fehrmann

- Casting know-how since 1895, 40 years' experience with high-performance aluminum alloys
- High-tech innovation centre for new alloys, especially for 3-D printing
- Germany's only foundry that produces its own high performance aluminum alloys
- Leading international supplier of corrosion-resistant safety components made of aluminum, e.g. reducers for LNG terminals, valve flaps for pipelines or sliding lids for pressure vessels

CREMER

- 70 years experience in international trade with raw materials and minerals
- Always close to the customer with 67 subsidiaries and 30 sales offices all over the world – for individual consultation and fast delivery
- Thorough sales know-how about metal powders for 3-D printing
- Diversified business portfolio leads to all-round know-how and flexibility



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ALLOYS

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