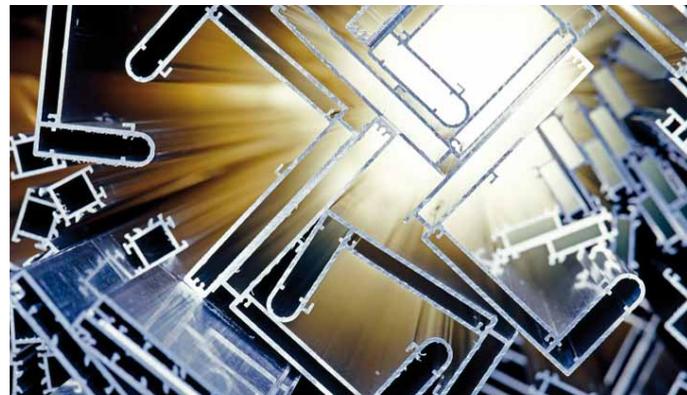
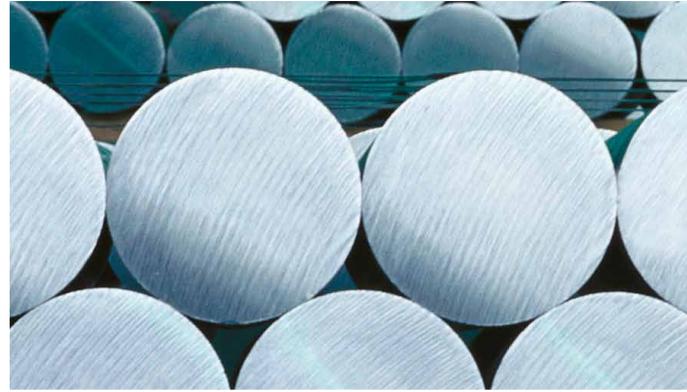


trimal[®]-BQ



trimal[®]-BQ

Highly pure high gloss alloys

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trimal®-BQ

Highly pure high gloss alloys

The experts at TRIMET Aluminium SE use select materials, specially developed methods for molten metal processing and a continuous casting plant that is tailored to the product to produce high gloss alloys that meet the highest demands. The above steps are guaranteed and defined by the **trimal®-BQ** process, which enables high-quality processing and refining.

TRIMET Aluminium SE works with its customers to develop product solutions for decorative parts. **trimal®-BQ** (Brilliant Quality) is the result of the improvements we have made to our process chain up to the semi-finished materials (extrusion billets), which meets the highest standard of quality.

The trimal®-BQ Process

By continuously testing the alumina that we use and monitoring the electrolysis process, we ensure that the base material is exceptionally pure. The master alloys that we add are constantly subjected to chemical and metallographic tests. For example, we inspect the grain refining rod for impurities and the form and size of the nucleating agent. In addition, we use only select products from certified suppliers.



The molten raw metal, which is produced with special alloying techniques, is subjected to a cleaning process with special gas mixtures. Subsequently, we cast the product in a process that was developed specifically for it and uses a state-of-the-art filter technique and a customized continuous casting mold.

During the production process, we constantly monitor the quality of the melt by measuring its purity level and testing the micro structure of the semi-finished material.

Applications

Semi-finished materials that are produced with **trimal®-BQ** process are ideally suited to manufacture parts with superior surface grades. The high quality of the material is the basis for the production of functional and decorative parts.

Among others, the application include, car roof racks and trims, handles, switches, covers and sections for frames and construction parts (window and picture frames, shower stall sections, designer parts for furniture, plasma TV frames, hi-fi applications etc.) as well as parts in power train and hydraulic systems and copier drums, the running surfaces of which require the highest surface grade possible.

The product properties that we achieve are defined by the entire process. By varying each process parameter, for example the composition of the alloy and the grain structure, we create properties that are tailored to the product's surface and parts.

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