

the cover

Eural Gnutti

20.000 leagues above the sea!

Last May, Eural Gnutti celebrated its 50th anniversary, under the banner of continual innovation and the creation of value everywhere in the world

50
years

A solid and dynamic company whose determination and enthusiasm under the guidance of the fourth and fifth generation of members of the Gnutti family can easily be felt. Eural Gnutti's experience in the industry of aluminum alloys dates back to the 1940s, when "My father, Oreste and his brothers founded Trafilerie Carlo Gnutti in Chiari in 1947. The core-business at the time concentrated on brass, with aluminum considered a secondary product with reduced technological potential," explains Sergio Gnutti, who runs the company along with his brother, Giuliano and gran-



children, Elena and Paola. "The credit must go to my father in that he foresaw the immense potential of aluminum alloys, without which, for example, the aeronautical industry would never have managed to develop the way it did in the years that followed". And thus, it was in 1968 (to be precise, on May 1, 1968) that its new company – Eural Gnutti – was set up as an autonomous business from the wire extruding mills in Chiari, and began producing the first semi-worked aluminum sections, inaugurating a long story of research and innovation which is still going on to the present time.

A successful story which continues, as this Group from Rovato has remained in the avant-garde for the production of bars, tubes/pipes, and sections in aluminum alloys, and is also one of the first companies to make alloys in ecological aluminum. "We must always speak using the word 'alloys', which are not necessarily always in aluminum. We provide consultation to clients all over the 'green' world precisely due to the fact that for every type of process, there is a specific alloy to be used. Our goal is to supply the final user with a very high quality product that is economically sustainable, but

which, above all, has such a high performance that it is able to give the client 20 to 30% more than those of other competitors. The choice of the most appropriate alloy is the key to determining the success or failure of a product", explains Gnutti. Tracking Eural Gnutti's history of growth, an important change of pace occurred in 2008, when the company brought in a new press which enabled it to increase its clientele from medium-sized companies to large companies and begin the march towards a more pronounced internationalization of its business. ▶



6026LF, the lead-free alloy

6026LF by Eural is an ecological alloy that has been designed and developed by the research and development labs at Eural Gnuttì to satisfy the most stringent needs in critical applications for cars, and namely, their brake systems.

For several years now, the European Community has been working to reduce the percentage of dangerous substances in their contents. The present revisions of the RoHS, Elv, and Reach laws limit the percentage of lead to at most 0.40% for aluminum alloys, and future trends are leaning towards no lead at all (to be precise, a maximum of 0.1% with regards to weight). Eural Gnuttì has anticipated future restrictions before they become law, by creating 6026LF Lead-free (which also contains no tin). 6026LF Lead-free is very versatile thanks to its medium-high mechanical characteristics, its good characteristics when anodized or molded, its easy soldering ability, and its resistance to corrosion. This alloy is also very suitable for being worked on high-speed automatic lathes thanks to its fine shavings. Fields of application? Automotive, the electric, electronic, valves, oleo-hydraulics, pneumatics, mechanics.

◀ “Our core business – extruded bars – are a high added value niche for exports, which takes us all the way to Mars! - affirms the president-. Our goal for several years now is to identify companies, all over the world, who need this product”.

This goal has been achieved, as the Group has carried out over 230 million euros of business in 2017 and has become a global beacon for the production of semi-worked aluminum. This is also thanks to its philosophy of “keeping up with technological evolution”.

An example? Beginning May 2021, products containing more than 0.1% lead in weight will no longer be put on the market. Credit for this must also be given to Eural Gnuttì for its working together with other multinationals through European diplomatic branches to modify some of the international laws on the reduction of lead in aluminum alloys.

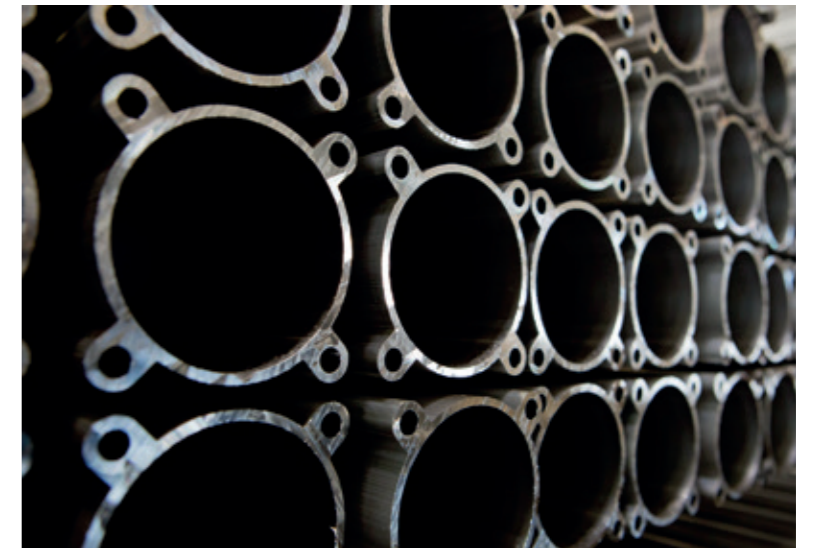
“Our company has developed alloys which, all the same, ensure high performance and efficiency whether lead is present or not. We were among the first to create alloys in ecological aluminum. This is an ecological metal which, all the same, ensures high mechanical characteristics and a truly impeccable performance”, explains Gnuttì.

On the innovation front, Eural Gnuttì never misses a beat. An example of its lead-free alloy is already on the market. Silicon-magnesium 6026LF is used in industrial sectors such as the automotive, the electrical and electronic, valves, oleo-hydraulics, and pneumatics. Still in an experimental phase is its X221, which is in-



tended to substitute all alloys that contain lead by replacing it with bismuth. Alloy X2211 will be presented at the aluminum trade fair, Aluminium in Düsseldorf, Germany in October.

After having celebrated this important anniversary, what is Eural Gnuttì planning for the future? “In addition to our adding value and seeking continual innovation – the principles at the base of the Made in Italy concept, and not just for us at Eural Gnuttì – we will continue our eco-friendly orientation with our research in this direction. We obviously seek to anticipate the needs of global markets, translating them into new products and services, in order for us to be constantly in the avant-garde and satisfactorily meet the needs of our clientele”, un-



derlines Gnuttì. Clientele, which thanks to its in loco sales offices – plus one in the United States, and one in Germany – always feels

supported and backed up by Eural Gnuttì from Brescia, ready to generate excellence for the next fifty years and more! 🇮🇹