

ALUMERO



TECHNOLOGY

ALUMERO transforms innovative ideas into sustainable solutions. We see it as our task and obligation to work with customers as closely as possible. The results are sophisticated, functional solutions that guarantee optimum project workflow and competitive benefits. Accordingly, whatever the task or challenge, our specialists develop supreme-quality, highly-affordable solutions, and uncover opportunities for even greater savings. ALUMERO is now one of the first companies contacted by customers requiring specially-tailored solutions.

makes us  .

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TECHNOLOGY

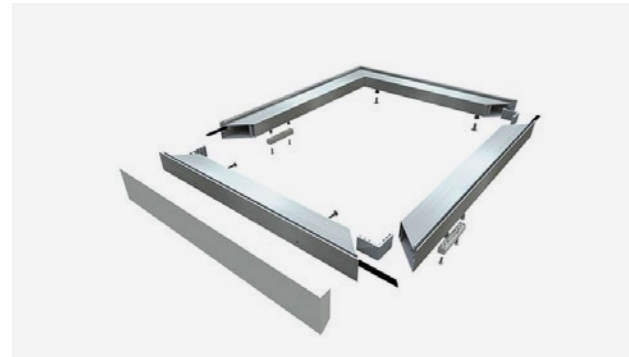
DEVELOPMENT AND ADVICE

Joint success is your ideas and our know-how.

We see it as our task and obligation to work with customers as closely as possible, and to invest our entire expertise to your advantage - from the initial idea to sketches, from detailed drafts to the finished product. Whether aesthetic or mechanical considerations top your priority list, we provide expert advice on the best alloy for your application. We focus on your requirements throughout the entire production process - from the tooling set-up to the surface finish. Our qualified team guarantees expertise in extrusions, metalworking and surface treatment when implementing your ideas. Our wealth of expertise with aluminium works to your advantage, whatever the field of specialisation you require.

We support you with the very latest software and a wealth of experience, whether optimising profile cross-sections in AutoCad, constructing components in 3D, analysing finite elements within 3D-models in SolidWorks, or calculating load-bearing structural tolerances with RStab.

Functionality tests on 3D models



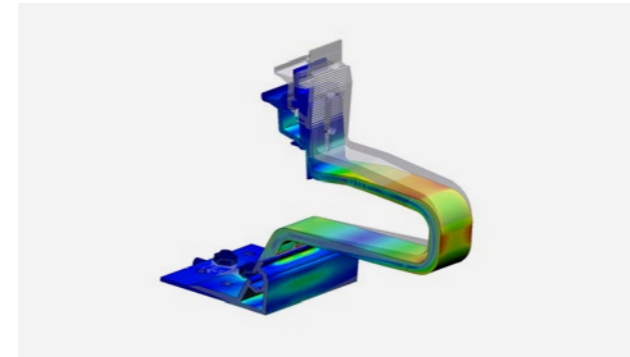
Whatever the product, furniture fronts, illuminated frames, solar modules, facade elements or table substructures – the joining method must be taken into account when devising the profile layout. We help you construct snug-fit profiles and components.

3D assembly



Development and construction of 3D parts assembly.

Static calculations



Calculating static stress tolerance for the ALUMERO AL13 roof hook.



EXTRUSION

Precision down to the finest details.

ALUMERO specialises in the manufacture of high-quality, bespoke-pattern aluminium profiles. We develop the best-quality and most economical solutions for each specific task and requirement.

ALUMERO specialises in the manufacture of micro-profiles and precision profiles with exactly-calculated tolerances, minimum wall thicknesses and decorative profiles, while meeting the most exacting surface finish standards.

- + Energy industry
- + Furniture industry
- + Lighting industry
- + Building industry
- + Medical technology
- + Drive technology
- + Refrigeration technology
- + and lots more ...

- + Load-bearing profiles in compliance with EN 15088
- + 3000- and 6000-series alloys, and bespoke alloys according to customer requirements

Extrusion profile

Maximum weight	34 kg/m
Maximum length	15 m
Maximum circumscribed circle	500 mm

Microprofiles

Tolerance range	+/- 0,05 mm
Minimum wall thickness	0,4 mm
Profile weight	from 15g/m



PROFILE MACHINING

Qualified experts and ultra-modern machines guarantee excellent quality.

Machining is conducted with ultra-modern 3-, 4- and 5-axis CNC profile processing centres. Alongside precision saws, double-mitre saws and automatic saws, other specialised centres, such as portal milling machines, are available. ALUMERO guarantees the best possible facilities for flexible and highly-productive manufacturing.

Milling



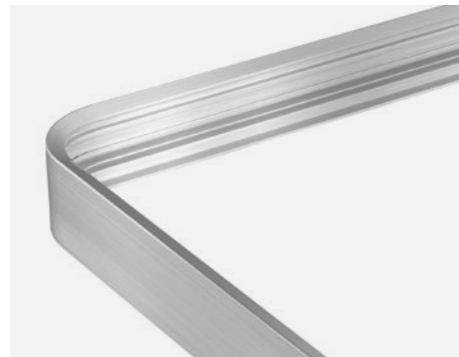
Profiles of up to 7m in length can be processed here. We're your workbench extension!

Punching



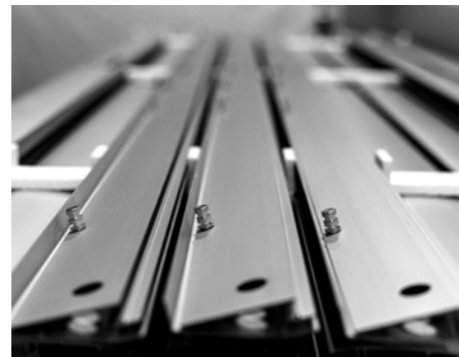
Our experience in the creation of bespoke tooling allows us to cut a profile to the desired length with a single punching stroke. We offer a broad range of punches with a lifting capacity of up to 160 tons.

Bending



We bend bespoke profiles with special machinery and tools, and can optimise the bending properties of the aluminium profile by adapting the alloy and the hardening process.

Stud welding



Bespoke production according to customer specifications



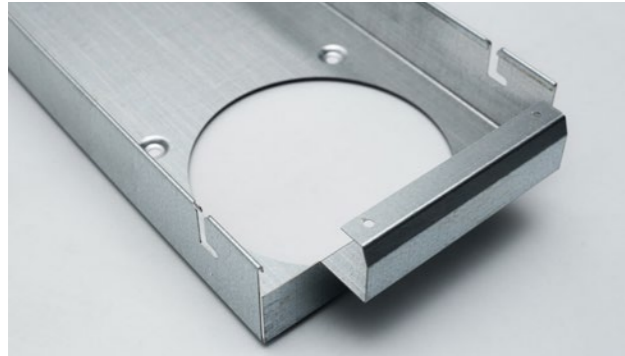
SHEET METAL PROCESSING

At the highest standards.

Precise, fully-automated punching and forming on our CNC controlled sheet metal processing centres in combination with modern press brakes, swivel bending machines, as well as laser and nibbling centres, ensure supreme-quality sheet metal working. Bending and deburring machines round off our range of manufacturing options. Our specialists produce small, medium-sized and large batches for the industrial sector and construction industry. We manufacture both superior-quality bent, punched and embossed items, and also produce panels, facade elements and cassette plates from sheet metals and composite plates for the building industry.

Always a great solution.

Laser



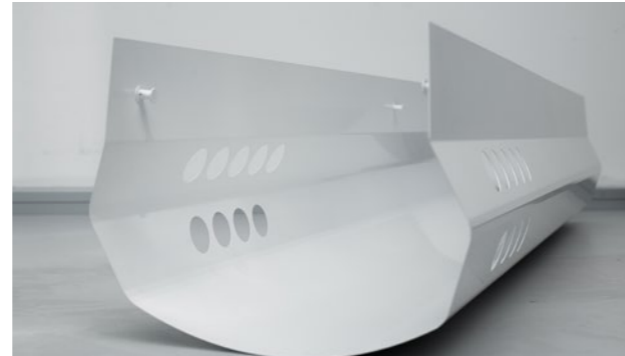
- + Traversing range 4000 x 2000 mm
- + Aluminium plate to a thickness of 10 mm
- + Stainless steel plate to a thickness of 12 mm
- + Steel plate to a thickness of 20 mm

Punching / Nibbling



- + Traversing range 2500 x 1525 mm
- + Aluminium sheet to a thickness of 4.5 mm
- + Maximum punching force ≤ 300 kN

Edging / Bending



- + Aluminium sheet up to a length of 4000 mm
- + Aluminium sheet up to a thickness of 10 mm
- + Maximum bending force ≤ 220 t

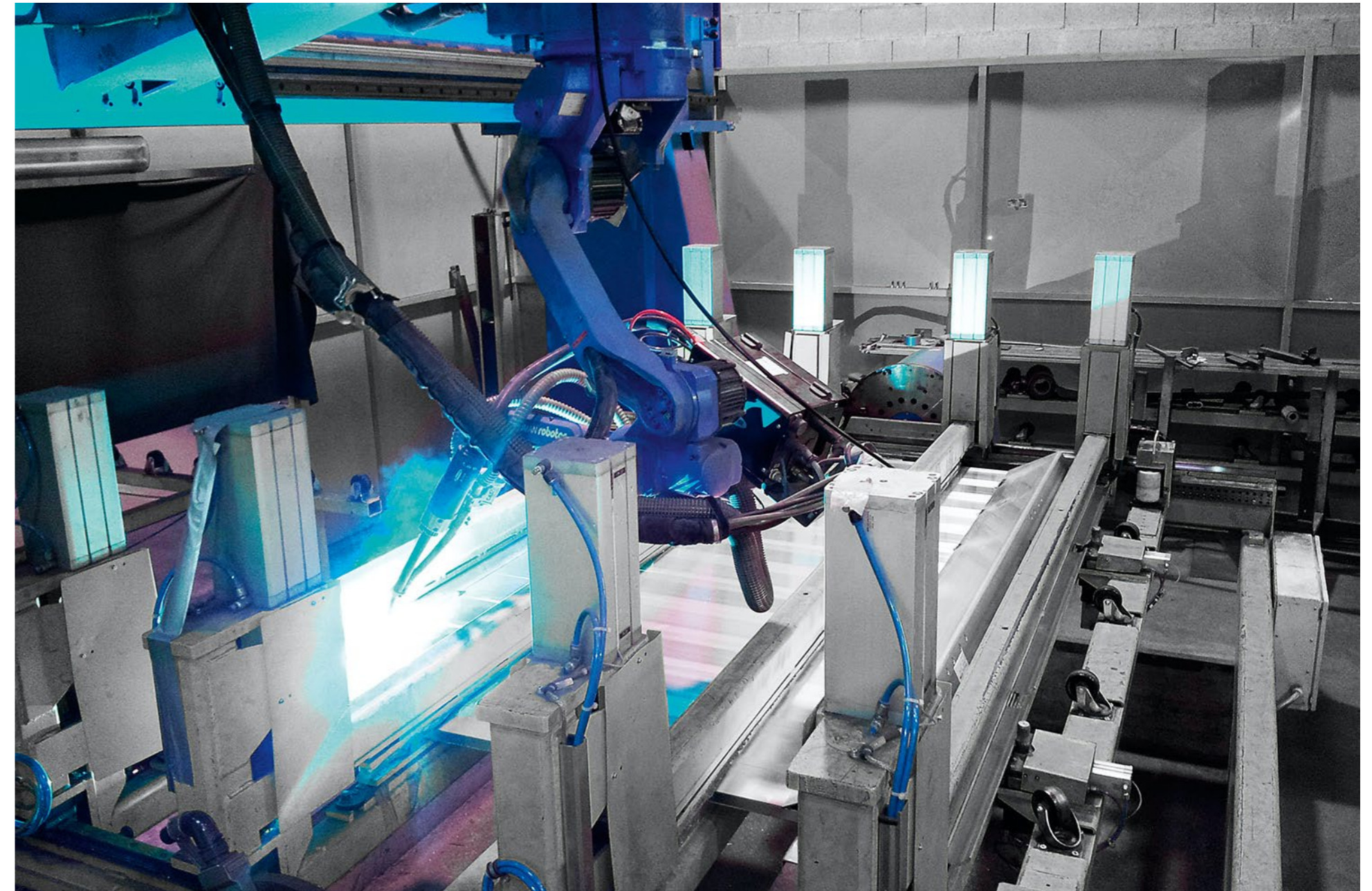
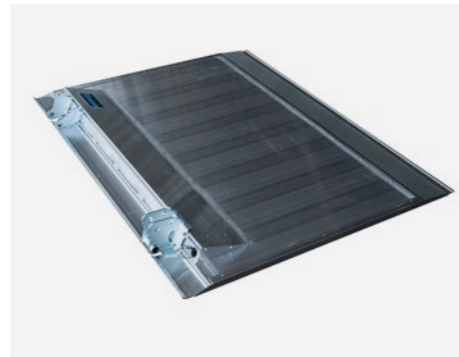


WELDING TECHNOLOGY

Excellent EN-ISO 3834-2-certified welding.

Our team of qualified professionals works under the supervision of a certified specialist welding technician to guarantee the toughest challenges are met with supreme quality craftsmanship. We coordinate very closely with customers to provide the following welding options: MIG, MAG, WIG, autogenous gas fusion welding, electric manual welding and stud welding.

We operate welding robots with welding technology constructed specifically to serve the needs of your product (max. product dimensions 2000 x 2500 mm) and a variety of manually operated welding devices. We employ certified welders, and our production facilities are certified according to ISO 3834-2 and EN 1090 up to class EXC 3, both for aluminium and steel.



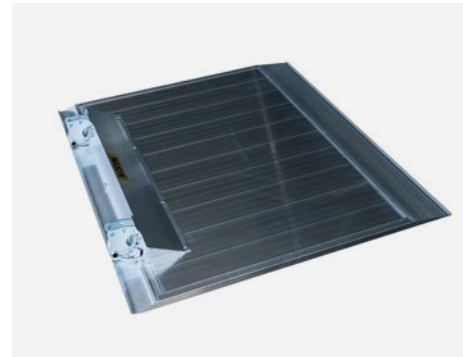
ASSEMBLY PRODUCTION

A-Z solutions and ultra-modern manufacturing.

ALUMERO offers professional A-Z solutions in frame building and assembly production. Many years of experience and the use of the latest production technology facilitate the assembly of complex, bespoke units. Whether assembling products from components manufactured in-house or by third-party companies, ALUMERO's production portfolio encompasses everything from the manufacture of individual components to the assembly of entire products.

Assembly halls: Assembly of sub-units, complex components, systems and completely-finished elements.

HGV tailgates



- + Loading capacity ≤ 2000 kg
- + Completely pre-assembled and mounted (foot-switch, indicator lights and connecting heads)

Frames for kitchen fronts



- + Processed profile with an anodised surface
- + Frame construction and seal mounting

Camera housing



Precision profile processing and surface finishing.

Outdoor kitchens



ALUMERO produces superior-quality aluminium components for outdoor kitchens, including basic modules, legs and frames. If desired, we are also happy to assemble and deliver turnkey elements.



SURFACE FINISHING

Supreme-quality surfaces.

Expertly-finished surfaces offer optimum protection and aesthetic elegance. We offer a wide range of surface finishes, so you can choose from a broad array of attractive options.

Our methods



- + Anodising, organic and anorganic colouring
- + Powder coating, also in bespoke, non-standard colours
- + Electrolytic polishing
- + Chrome plating
- + Stainless steel effect
- + Sandblasting and glass bead blasting
- + Brushing
- + Grinding
- + Polishing
- + Barrel finishing
- + Bar and piece surfaces
- + Laser engraving - i.e. for logos

Powder coating



- + Maximum workpiece dimensions = 6500 x 1800 x 500 mm
- + State-of-the-art chamber technology
- + Multi-step chromate-free spray treatment
- + Flexible power and free conveyor technology
- + Automatic or manual coating options
- + Contract coating with extremely flexible processing according to customer demands (cleaning, deoxidation, protection from corrosion, powder type and surface structure)

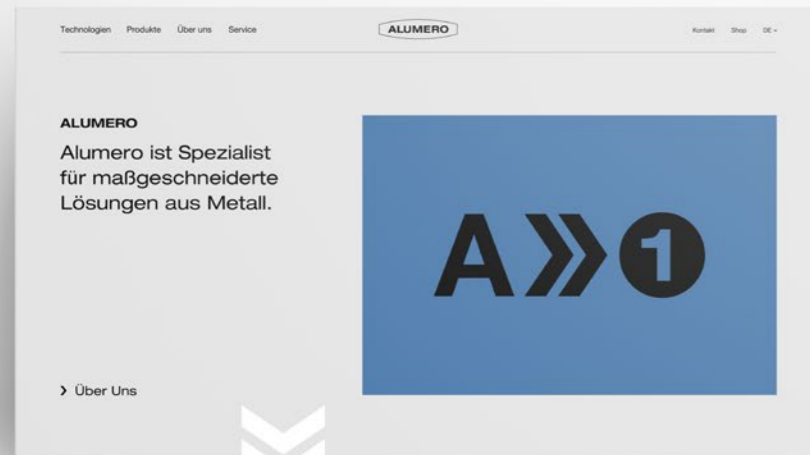
Eloxal



- + ELOXAL - ELectrolytic OXidation of ALuminium
- + High-quality ELOXAL surfaces for an attractive look
- + Surface can be subjected to extreme mechanical strains with increased resistance to scratches, wear and tear
- + Enhances aluminium's natural anti-corrosive properties
- + Can be provided for pieces and bars
- + Variety of organic and anorganic colouration options available
- + Optional surface structure preparations such as brushing and grinding



ALL INFO AND MORE ONLINE



All the product lines in this catalogue can also be viewed online at www.alumero.at (also in English).



THE GREEN METALL

Around 8% of the earth's crust consists of various aluminium compounds, deposits and ores. Aluminium is one of the few raw materials that can claim to be an almost unlimited resource. Today, many of the properties of aluminium are indispensable. Immense stability is combined with low weight and resistance to corrosion. This non-toxic element can be transformed into any shape, alloyed and combined with other materials, and reused endlessly. Aluminium can also be recycled repeatedly without loss of quality.

The energy required for recycling is just 5% of the initial amount required to mine and purify it. Worldwide, the current proportion of remelted aluminium annually used within the overall volume of aluminium is around 35% and rising. Think of tomorrow - build with aluminium today!

Why aluminium?

- + a light metal with 1/3 the weight of steel
- + excellent strength and rigidity
- + corrosion resistant
- + sophisticated look
- + easy to shape
- + easy to process
- + excellent product longevity
- + reflects light
- + good heat conductor
- + good electrical conductivity
- + environmentally friendly and recyclable



Think of tomorrow - build with aluminium today!



ALUMERO GROUP

Development, design and production

ALUMERO specialises in bespoke aluminium solutions, winning over customers as a manufacturer of superior-quality aluminium extrusion profiles, aluminium component groups and mechanical integration, and as a system provider for several sectors, including solar and photovoltaic, living, industry and building - with ALUMERO.

ALUMERO turns innovative ideas into sustainable solutions based on functional design and effective machinery. We believe customers should be provided with a convincing solution that meets every requirement to the fullest extent.



Quality management

Quality is never a question of luck. It's the sum of the details that make a product valuable, functional, technically tailored and attractively shaped. ALUMERO quality management ensures the company can offer professional and reliable services on an international stage, today, tomorrow and for many years to come. Sustained high quality is the result of a carefully devised corporate philosophy and the right to bear the ISO 9001:2008 seal.

- + modern quality management in compliance with EN-ISO 9001:2008
- + our success is guaranteed by delivering top quality
- + customer-orientated quality agreements
- + quality management as an active and dynamic process
- + welding according to the EN-ISO 3834-2 quality standard
- + TQM from planning to purchasing and final delivery
- + load-bearing structures produced in compliance with EN 1090
- + manufacture of pitched-roof solar mounting system AS 2.1 in compliance with MCS
- + time-orientated business operations and agile process management



Austria



Poland



Slovenia



Netherlands

PRODUCTS

makes us 😊.

Solar

We specialise in rack and frame solutions for all systems, customised clamping and tailor-made constructions.

Living

We help you develop your ideas, manufacturing a wide variety of aluminium solutions with a special focus on the furniture industry.

Industry

Complete products and profile solutions for the aluminium industry. Your ideas and our know-how produce the perfect end-result.

Build with ALUMERO

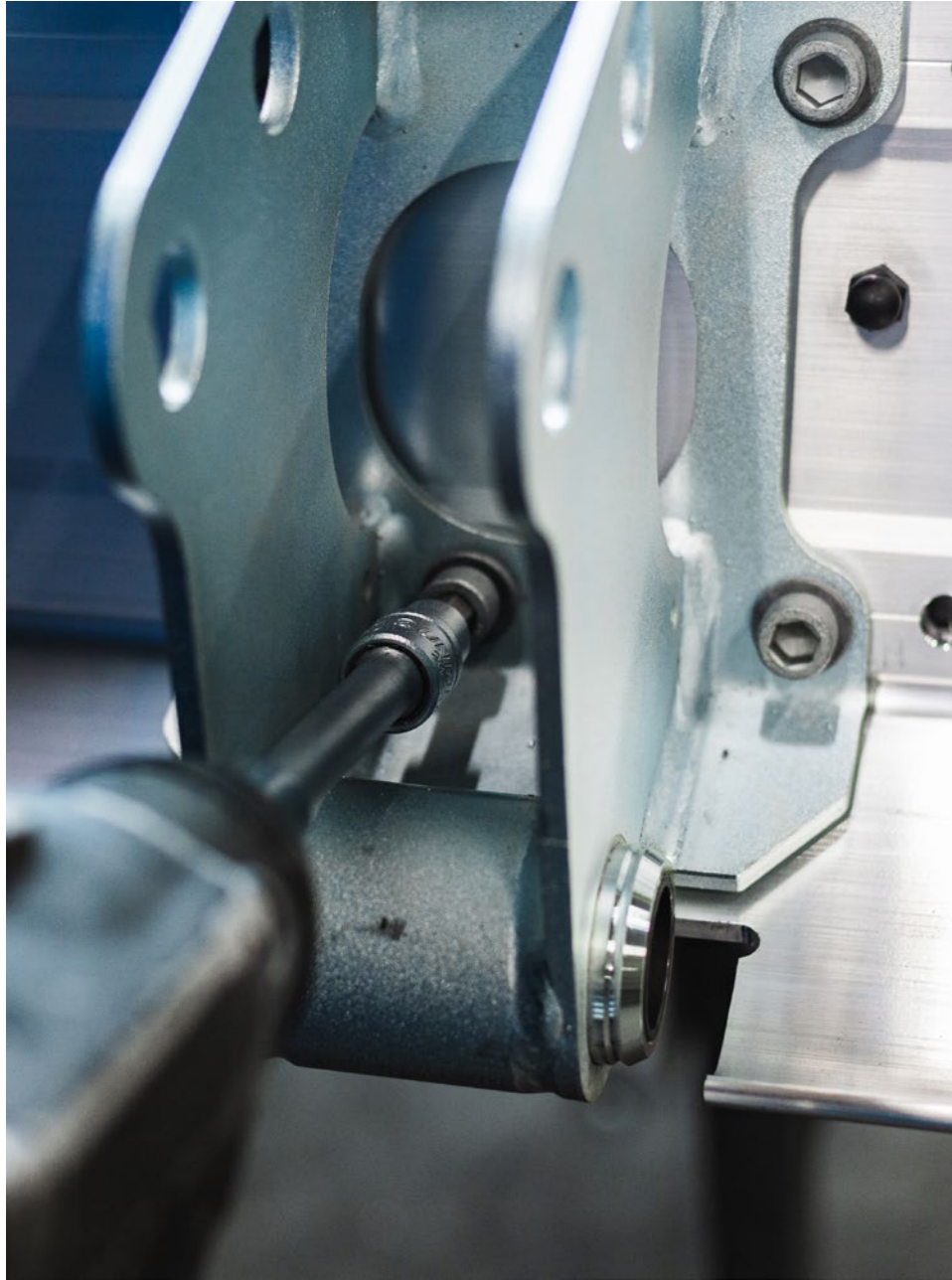
For everything around the house from a single source. ALUMERO offers customised solutions with aluminium for houses, homes and gardens.



Solar



Living



Industry



Build with ALUMERO

ALUMERO

makes us stronger.

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