

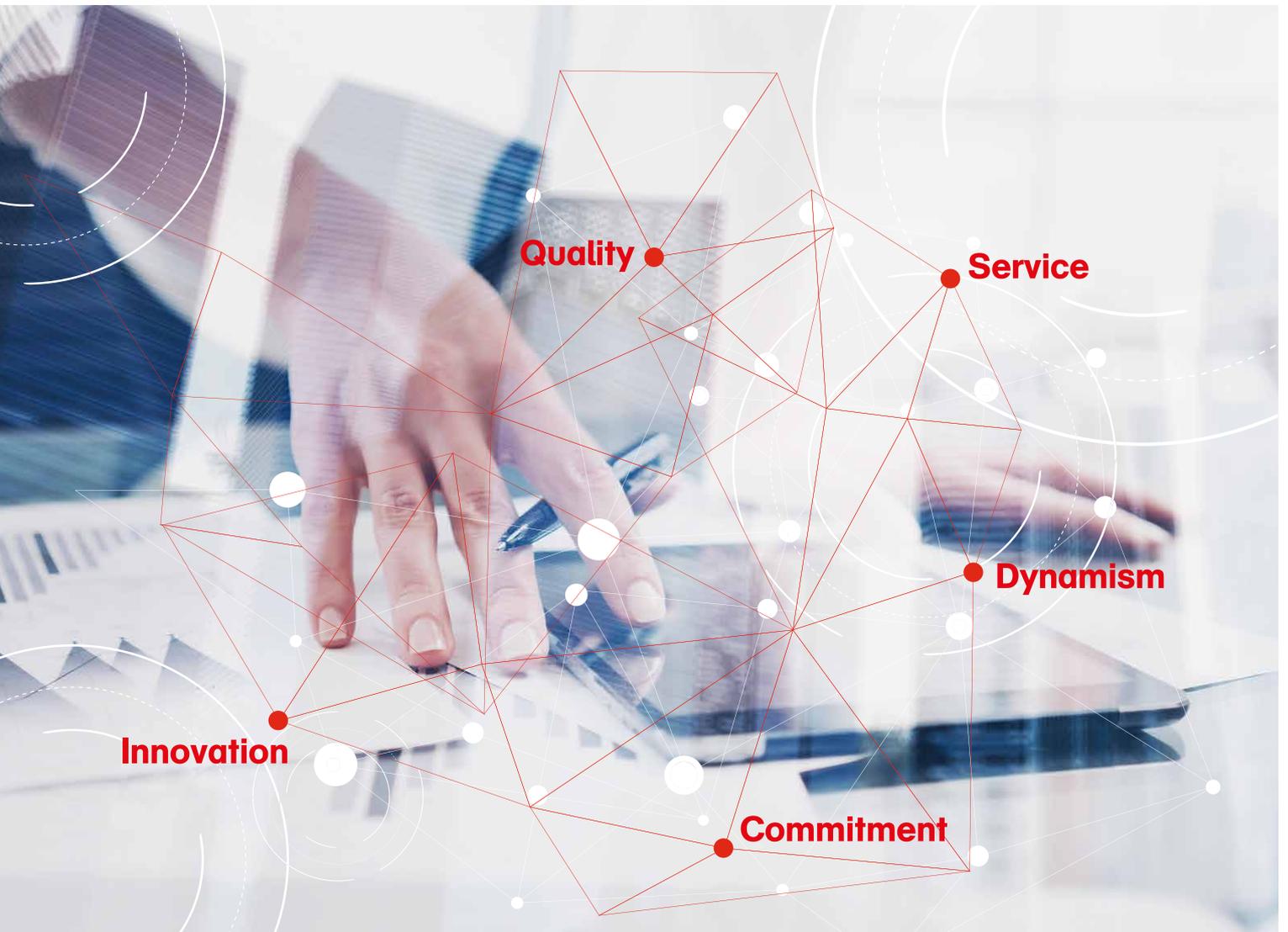


CSM

Claudio San Martin

Estampaciones metálicas

We believe that production efficiency should go hand-in-hand with effective logistics and guaranteed delivery deadlines.



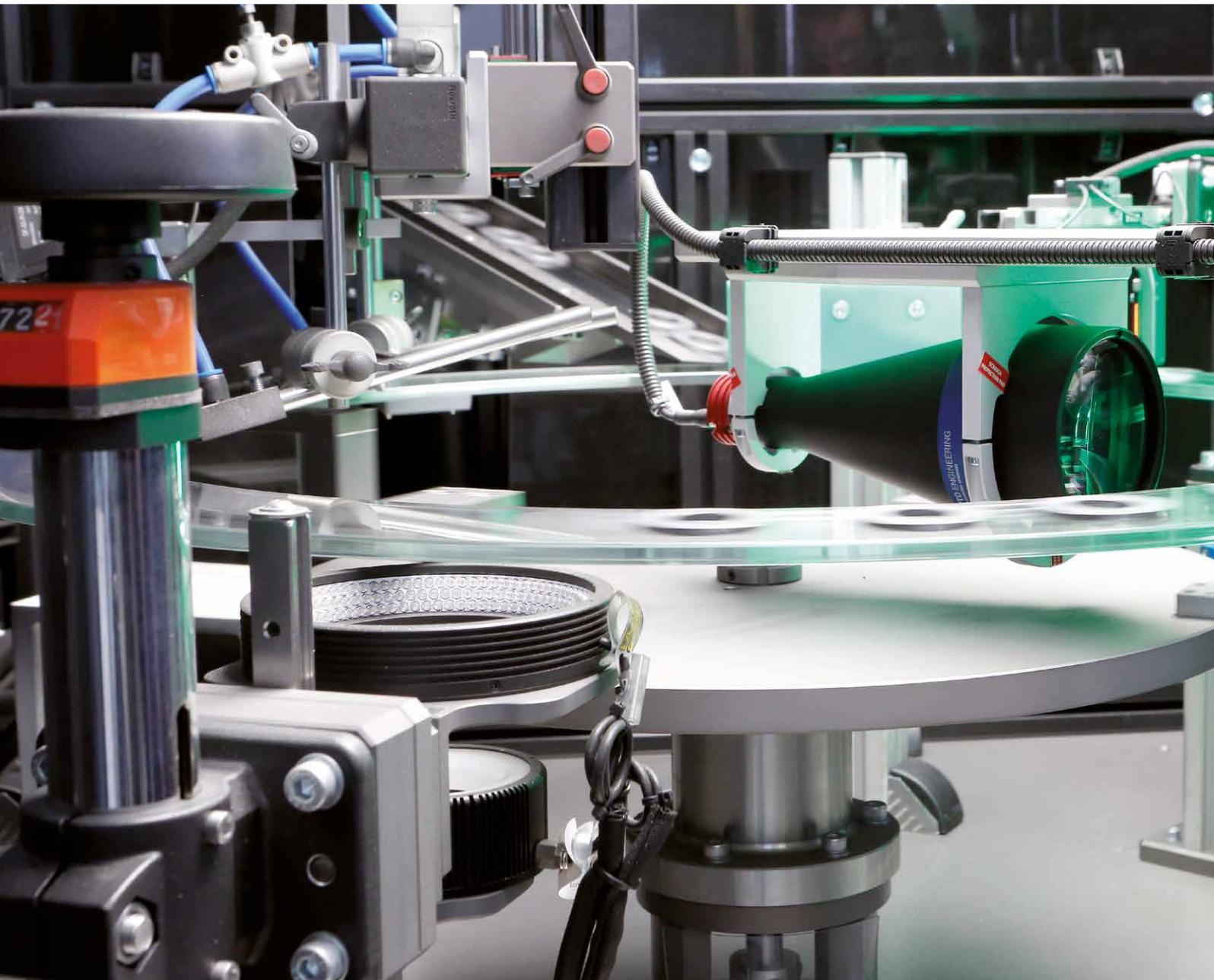
CLAUDIO SAN MARTIN

We are specialists in producing client-designed washers, and have been working in metal parts stamping since 1953. After two decades working in Eibar, we moved to Elgoibar, where we have been working since 1974 on producing washers and metal parts stamping.

Claudio San Martín is a team of qualified professionals in cold stamping, with an engineering department and sales team in France and Germany to internationalise our services, as well as a professional sales team covering the entire domestic market. 3,000 m² of facilities enable us to produce and store our parts stock. We provide you with seven entirely automated presses, ranging from 40Tn to 250Tn.

We belong to the **Asociación de Fabricantes de Elementos de Fijación Metálicos (Association of Metal Fastening Elements Manufacturers) (ASEFI)**, as well as the **European Industrial Fasteners Institute (EIFI)**. Our business was forged in the strong Basque industrial network, of which we are a part. Our privileged, well-connected geographical location means we can work flexibly when serving our product, both domestically and all over Europe.

All our experience means we know the sector very well and have a fluid relationship with external laboratories, strengthening our commitment to quality in the service we offer.





QUALITY

At **Claudio San Martín**, we are invested in a quality service, both to produce our parts and in the consulting service we provide to our clients. Commitment to quality is a priority we take care of in each and every one of the aspects of our service.

In addition to **IATF 16949, ISO 9001 and 14001 certifications**, we guarantee total traceability of our production to clients. We provide you with modern unitary controls with vision machines, as well as metrology and parts measurement controls. This means we can deliver exhaustive reports and quality certificates.

We have **digital and three-dimensional size control equipment**. Beyond the final control for each part, at **Claudio San Martín**, we execute an approval procedure for each production process. We provide you with a laboratory to measure parameters such as the hardness of materials used, roughness of surfaces, etc.





PRODUCTION RESOURCES

ENGINEERING DEPARTMENT

Our commitment to guaranteed service and quality production would be impossible without our technical offices professionals. With vast experience in the sector, our team of professionals in the technical office works and studies each project we tackle to offer solutions that fit your needs.

Moreover, we work on designed and adjusting blueprints both for progressive die cutting and double die cutting, designing and manufacturing our own tools to improve our services and production versatility.





STAMPING

Machinery and thicknesses we manufacture

We provide you with automated presses ranging from 40Tn to 250Tn. This means we can provide guarantees with our **metal stamping service**, regardless of the project we undertake. We do metal stamping, as well as precision stamping for thicknesses between 0.5mm and 6mm, as well as deep drawing up to 50mm.

Materials

We work with a fairly wide range of materials. We stamp both low-carbon and high-carbon steel. We also work with brass, copper, aluminium and stainless steel.

POLISHING AND HEAT TREATMENTS

In addition to metal stamping work, at **Claudio San Martín** we offer different surface treatments to meet all your needs. Some of them are conducted at our facilities, and the rest are through our qualified suppliers, located nearby **Claudio San Martín**.

Polishing

Our commitment to quality means that all our production processes are accompanied by parts stabilisation and polishing. Our automated polishing process means we achieve top-rate results. This polishing process provides a process for de-greasing and applying anti-rust products, offering products that are totally clean and rust-free.

Thermal treatments

When high hardness is required, obtained through different thermal treatment methods, **Claudio San Martín** has trustworthy suppliers to carry out the required tempering process.

Surface coatings

Depending on your requirements and needs, we can offer you the surface treatments that best meet your needs through our approved suppliers: electrolytic (ZnFe, ZnNi), lamellar (Geomet, Deltaprotekt, Magni), Phosphate, Mechanical zinc coating.

WASHER MANUFACTURE

Our more than six decades working in washer manufacturing are essential to understanding who we are and our production capacity. Our vast experience and constant concern for achieving quality results has made us a washer manufacturer with recognised prestige, both at home and abroad. At **Claudio San Martín**, we are invested in producing quality washers, both standardised and client-designed.

Contact our engineering department and we will give you the solution that best fits your needs, from small to large batches of parts. We manufacture standardised and client-designed washers for a myriad of sectors.



FLAT WASHERS

- > Din 125
- > Din 9021
- > Din 433
- > Din 440
- > ISO 7089
- > ISO 7093
- > NFE 25513
- > NFE 25514

FIXED FLAT WASHERS

- > Din 6902
- > Din 6903

FIXED CONICAL WASHERS

PSA C22 5880

CONICAL WASHERS

- > NFE 25510
- > DIN 6796

FLUTED CONICAL WASHERS

- > NFE 25511

** If you can't find what you need in our normal standardised washer production, please ask us.

STANDARDISED WASHERS

At **Claudio San Martín**, we also manufacture and distribute standardised washers. Our standard washer production ranges measurements from metric 3 to metric 52. See our complete catalogue of standardised washers here, and find what you are looking for.

We have a permanent stock of standardised washers, and capacity to deliver by very tight deadlines. Our investment in a system with traceability of guarantees for our production is essential to achieve efficient, quality results.

CLIENT-DESIGNED WASHERS

Our production capacity means we can manufacture client-designed washers for a myriad of sectors. A qualified team and cutting-edge technological production resources mean we can guarantee production of any kind of client-designed washer. We work with a wide range of materials, from low- and high-carbon steel to brass, copper, aluminium and even stainless steel.

As the client-designed washer manufacturer we are, at **Claudio San Martín**, we provide you with an engineering department to resolve any questions you may have. We help you to manufacture your client-designed washers, no matter what your sector may be.

Client-designed washers for the automobile industry

As far as client-designed washer manufacture is concerned, at **Claudio San Martín**, we have historically stood out thanks to our experience in working with client-designed washers for the automobile industry. Thus, we work on client-designed washers and parts for steering or shock absorbers in the automobile industry. We also have back-up stock of client-designed washers for the automobile industry.

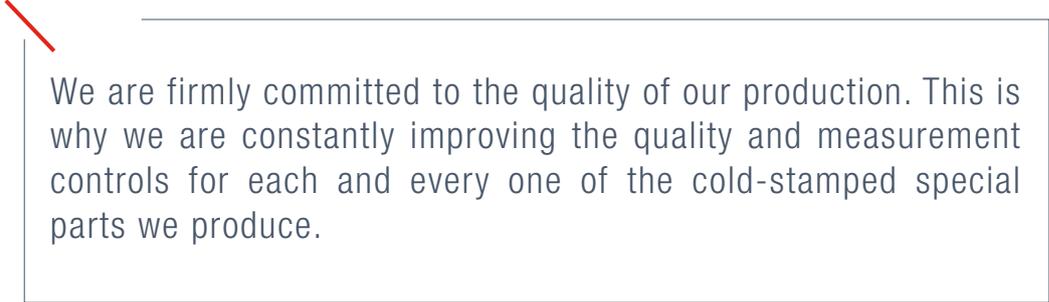
Our unitary parts control with artificial vision and vast experience in manufacturing washers with highly restrictive tolerances for the automobile industry back up our professionals work.

If you need a manufacturer for client-designed washers for automobiles, contact us and ask for a quote. Decades of experience guarantee the quality and efficiency of our work.

METAL STAMPING

For over 65 years, we have been doing metal stamping and manufacturing washers, a great endorsement of the quality of our work. Our history is linked to ongoing concern for innovation and development, both in our production resources and the result of client-designed metal stamping that we execute.

In addition to metal stamping work, at **Claudio San Martín**, we do deep drawing up to 50mm, as well as precision stamping. Ask our professionals and we will answer any questions you may have about our services.



We are firmly committed to the quality of our production. This is why we are constantly improving the quality and measurement controls for each and every one of the cold-stamped special parts we produce.

OTHER OPERATIONS

The experience of our team of professionals and our cutting-edge resources are two essential factors that define our versatility and ability to tackle all kinds of projects related to metal stamping and washer manufacturing.

In addition to our specialities, at **Claudio San Martín**, we conduct all kinds of supplementary operations that help us to complete certain assembly processes for parts that we stamp ourselves. This means we do minting, threading, riveting, small sub-set assembly, and other kinds of processes so we can offer a comprehensive, customised, top-quality service.





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