



TORNIPLASA, S.L.L.

Experience at the service of efficiency

THE COMPANY

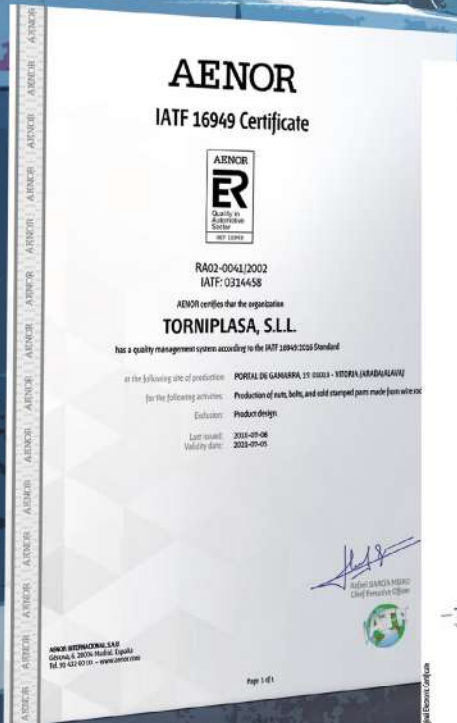


- We are a worker-owned company specialising in manufacture of cold stamped nuts, bolts and special fastening components.

Social capital:
523.020 €

Sales:
4.000.000 €

Number of people:
37



Q
2004

Q
Premio Vasco
Calidad
de Gestión
2007

◦ Certificates:

- ISO 9001
- IATF 16949

◦ Awards:

- Q de Plata 2004
- Q de Oro 2007

THE COMPANY



◦ Contact persons:

- Management: **Blanca Ochoa de Retana** gerencia@torniplasa.com
- Quality manager: **Karla Niso** calidad@torniplasa.com
- Production manager: **Manuel Holgado** produccion@torniplasa.com
- Logistics: **Nuria Tejero** logistica@torniplasa.com
- Administration: **Jessica Romero** administracion@torniplasa.com



◦ Portal de Gamarra, 17 · 01013 · Vitoria-Gasteiz · (Spain)
Tel: (+34) 945 256 100
Fax: (+34) 945 265 948
www.torniplasasal.com
torniplasa@torniplasa.com

TECHNOLOGY



We use SPC for continuous process control,
and REAL TIME data capture for production control

- **Raw materials:**

We have a pickling installation for preparing the raw material, as well as one for drawing it, being able to draw steel from $\varnothing 6$ mm to $\varnothing 22$ mm.



- **Stamped nuts**

We currently have a total of ten 5-station stamping machines, with cutting diameter up to $\varnothing 22$ mm. This allows us to manufacture highly complex nuts with various geometries.



- **Stamped special parts**

In order to manufacture special parts we have invested in three 6-station machines, one of which with a cutting diameter of up to $\varnothing 30$ mm.



TECHNOLOGY



- **Stamped bolts**

Our three bolt machines, two of which being 4-station, allow us to manufacture a range of bolts from M6 to M16, both standard and special.



- **Threading**

With regard to threading parts, there are twenty-two machines dedicated to this operation, six of which being for special parts, with the ability to thread up to M20.



- **Workshop**

To manufacture a part for our own tooling, we have a machining workshop that provides us with greater flexibility and a faster response to handle any emergencies that may arise.



- **Tool magazine**

We manage and control the tools with the help of a computerized magazine that allows us to optimise use.



◦ **Sorting machines**

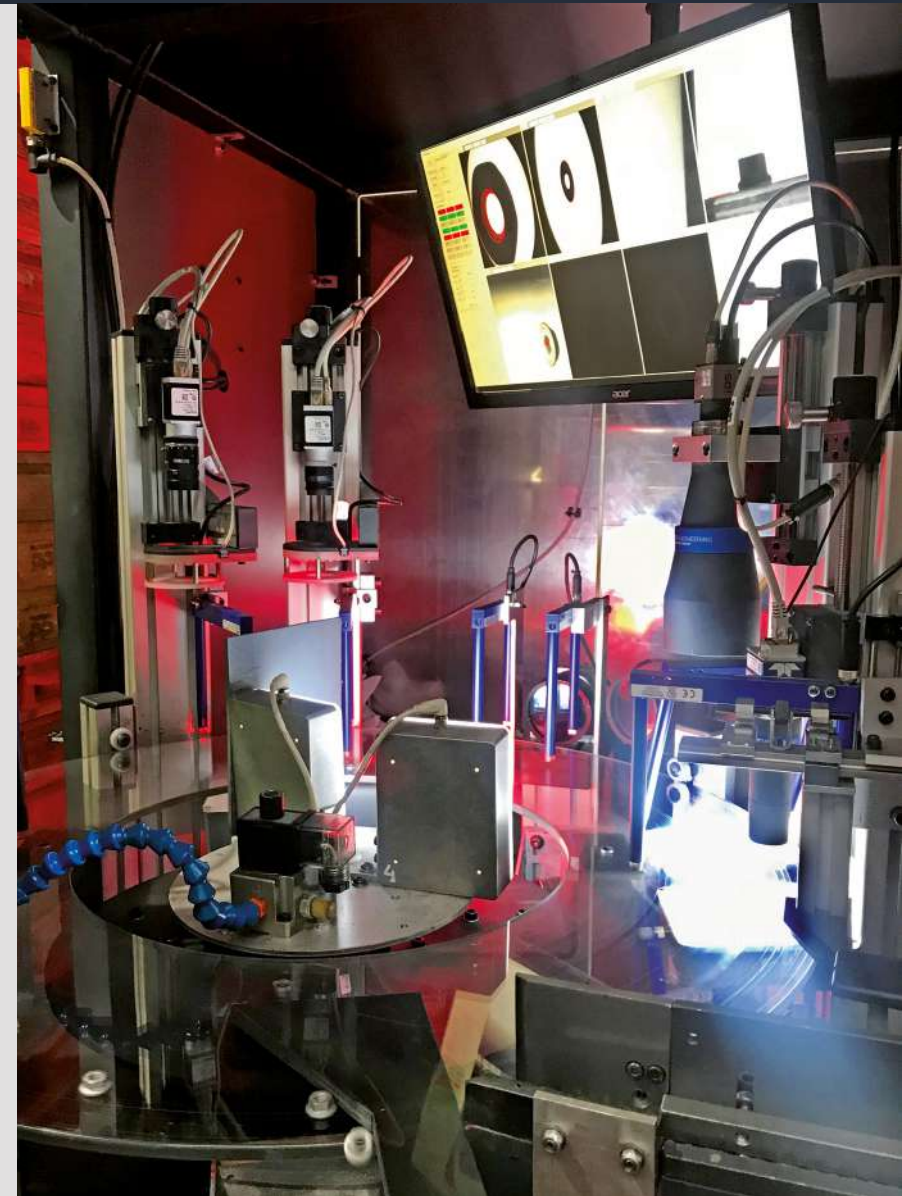
With the aim of ensuring Zero defects, we have four 100% sorting machines, which we divide into two groups:

- The first group controls heights and thread presence.



- The second group consists of two 3D machine vision systems using cameras with different types of lenses that allow us to control almost any dimension:

- internal and external \varnothing
- height control
- internal swarf
- pitting and cracks
- thread presence
- protrusions



We manufacture three steel product families with different qualities:

- Nuts Class 6, 8, 10, 12
- Bolts Class 6.8, 8.8, 10.9, 12.9
- Special parts

◦ Nuts

This is our main product, manufactured in different types: Standard, weldable, flanged, self-locking From M5 to M20.



◦ Screws

Both Standard and Special, M6 to M16.



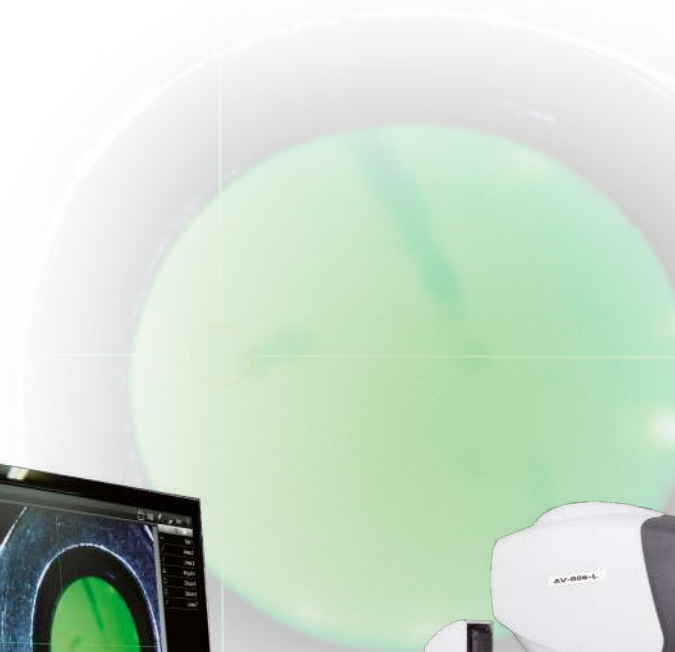
◦ Special parts

We can manufacture special parts from $\varnothing 6$ mm to $\varnothing 35$ mm, depending on the geometry of the part.

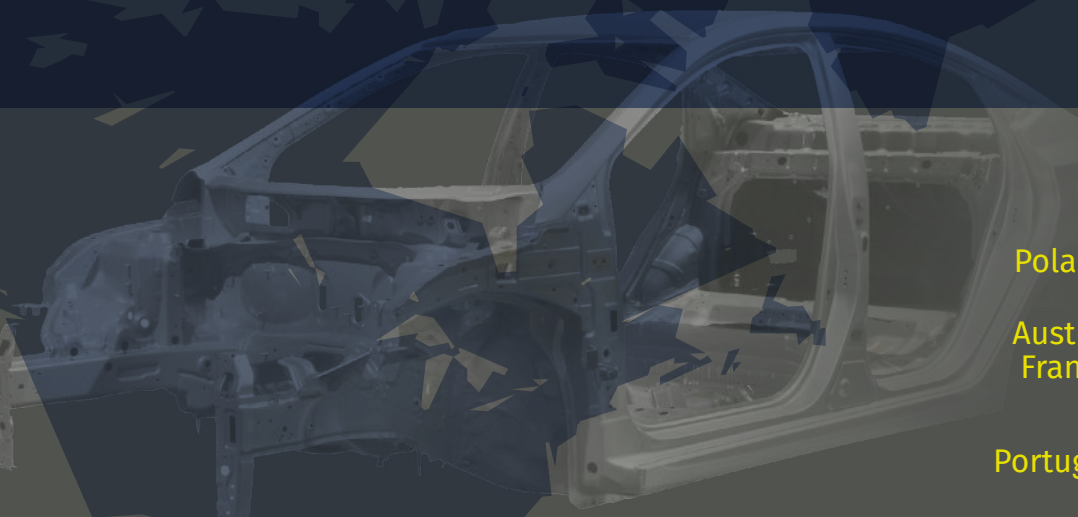


The parts are checked by the quality department after each manufacturing process and external procedure. For this purpose we have measurement and control equipment such as:

- Universal testing machine (tensile/compressive strength) up to 30 t
- Hardness tester
- Micro durometer
- Digital profile projector
- Thickness gauge
- Calipers and dial indicators
- Thread and core Go/No-Go control jigs



CUSTOMERS



- Poland
- Austria
- France
- Portugal
- Germany
- Hungary
- Spain
- Turkey

Mexique

Our main market is the automobile sector, representing 80% of our business.

We manufacture parts to Seat-Volkswagen, Citroën, Peugeot, Nissan, Mercedes-Benz standards as well as parts for other automobile components, such chassis, engine, seats, doors, brakes, safety belts, jacks...

Brazil

Argentina



GESTAMP
AUTOMOCION

NEDSCHROEF



LINKING IDEAS-REALITY



LEAR
CORPORATION



RUBI



Edscha



BATZ