

Management System
ISO 9001:2008

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Management System
EN 9100:2009

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IberPrecis, S.L. is a company specialized in Precision Machining.

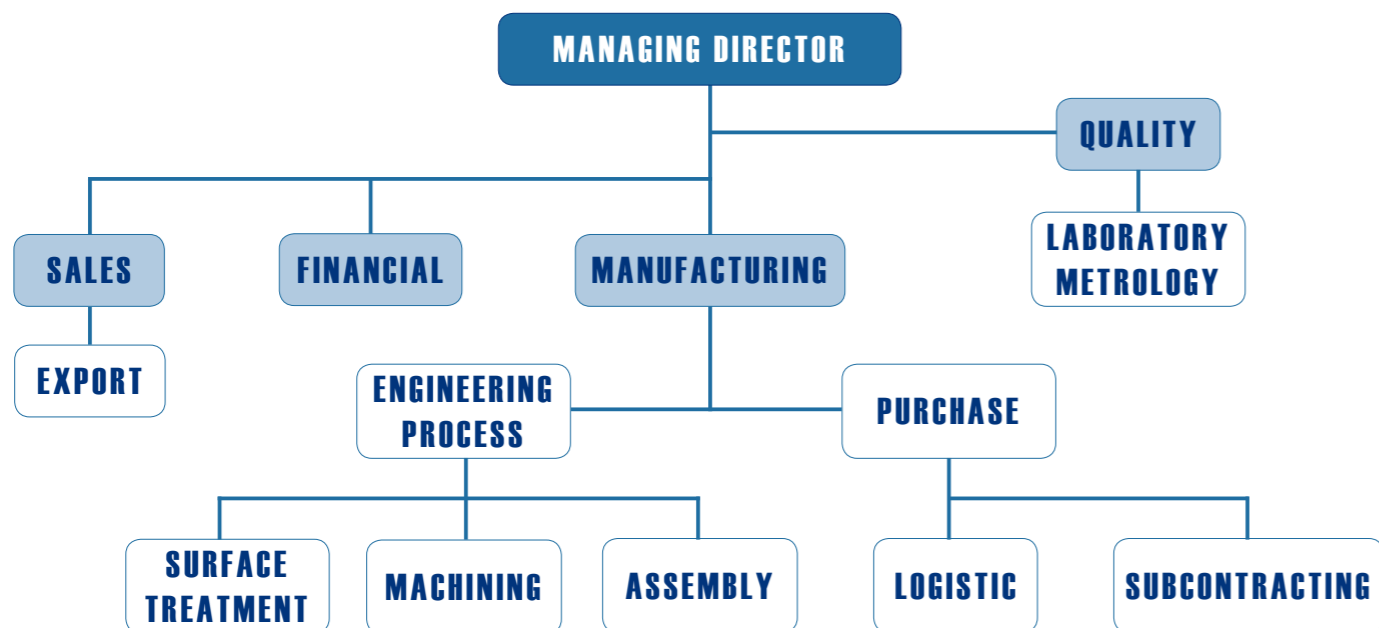
The company disposes of a laboratory for metrology, an area for surface treatments, an area for assembly of components and a department for international purchasing and subcontracting.

With all these resources we can offer our clients as principal supplier a complete solution in precision machining.

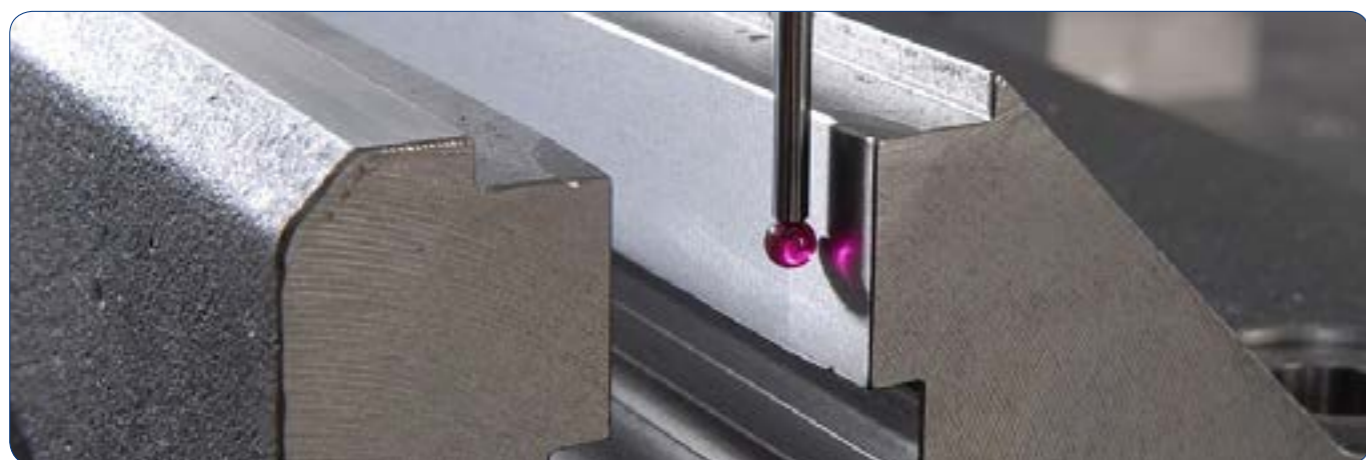
We look back on more than 25 years of experience in such challenging industries as the aircraft industry, the defense industry, the food industry and the construction of elevators.



IberPrecis Organization Chart



IberPrecis in the world



PRECISION MACHINING

As result of our quality system, ISO 9001-EN 9100, every component, which has to be machined, receives a detailed routing sheet with all individual production steps per machine, as well as all data and measurements, which have to be considered.

Iberprecis, S.L. cooperates with local institutions of education in order to train its own employees, to teach and to find talents.



EQUIPMENT

HORIZONTAL CENTERS:

QUASER 60 II - 11 kw / 32 m/s / 500x500 mm

OKUMA MA-50HB - 22 kw / 60 m/s / 500x500 mm

OKUMA MX-50HB - 22 kw / 60 m/s / 500x500 mm

OKUMA MA 400 - 22 kw / 60 m/s / 500x500 mm

VERTICAL CENTERS:

OKUMA MF-46V - 17,5 kw / 60 m/s / 760x440x450 mm

OKUMA MF-46VA - 17,5 kw / 60 m/s / 760x440x450 mm

MAKINO PS 95 - 17,5 kw / 60 m/s / 760x440x450 mm

DECKEL-MAHO - 15 kw / 20 m/s / 950x400x450 mm

VICTOR VCENTER 70 - 11,5 kw / 32 m/s / 760x440x450 mm

CNC LATHE:

OKUMA LB-15 - 9 kw / Ø 300x300 mm

OKUMA LB-300M - 15 kw / Ø 370x500 mm

MORI SEIKI - 11,5 kw / Ø 350x500 mm

CMZ TA 30 TY 1100 - 30 kw / Ø 500x1100 mm

GRINDING MACHINES:

CYLINDRE PRECISSORI CNC 1000 - Ø 300x1000 mm

CYLINDRE DANOBAT U500 - Ø 300x500 mm

SURFACE HIDRO PEC RSP 800 - 1000x500x500 mm

CUTTING MACHINE:

MISSLER DEB 410 CE



SURFACE TREATMENT

Surface treatment and cleaning by means of grinding (blasting and vibratory grinding) and electro polishing.

Thermal surface treatment: we collaborate with suppliers for hardening, galvanization, heat treatment and any other kind of thermal surface treatment.



ASSEMBLY

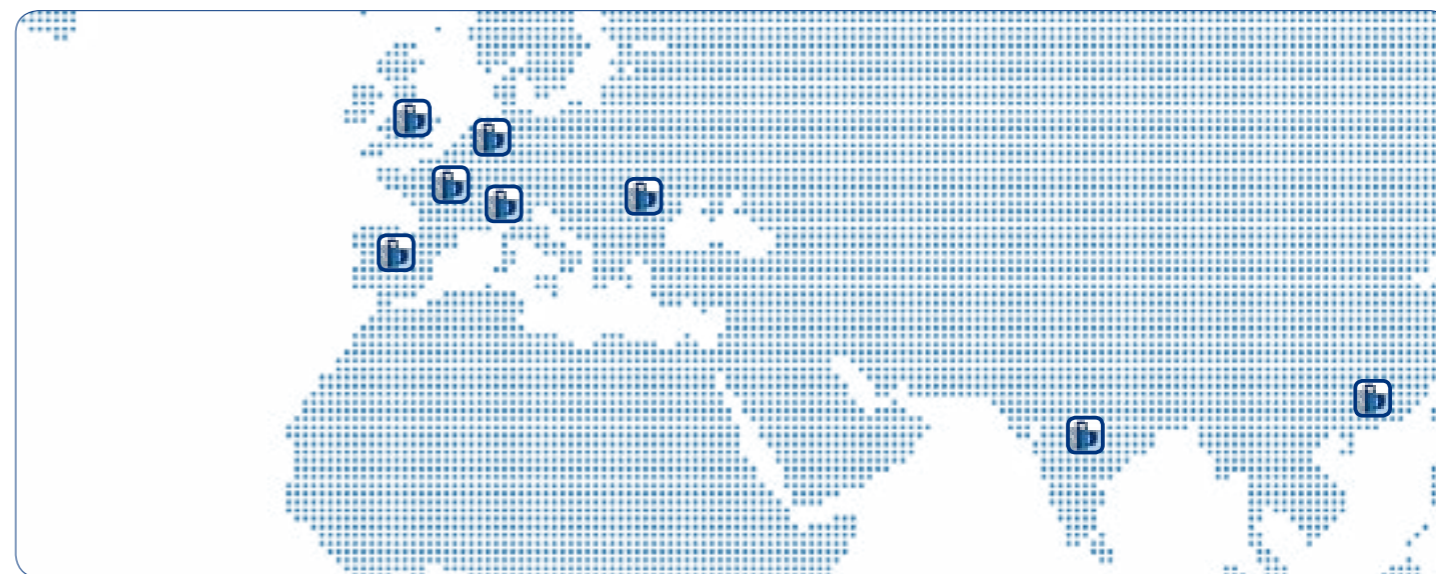
In order to offer an integrated solution we are able to offer an area for assembly with checking devices according to customer requirements.

Our ERP-System (Microsoft Dynamics Nav | Navision) enables us to collaborate worldwide with production lines of our clients JUST IN TIME.



PURCHASING AND SUBCONTRACTING

IberPrecis, S.L. disposes of a department for international purchasing, which is constantly in search of the best materials and suppliers for different applications.



LOGISTIC

We adapt both our raw materials as well as our finished goods warehouses to the delivery requirements of our clients, JUST IN TIME.



ENGINEERING OFFICE

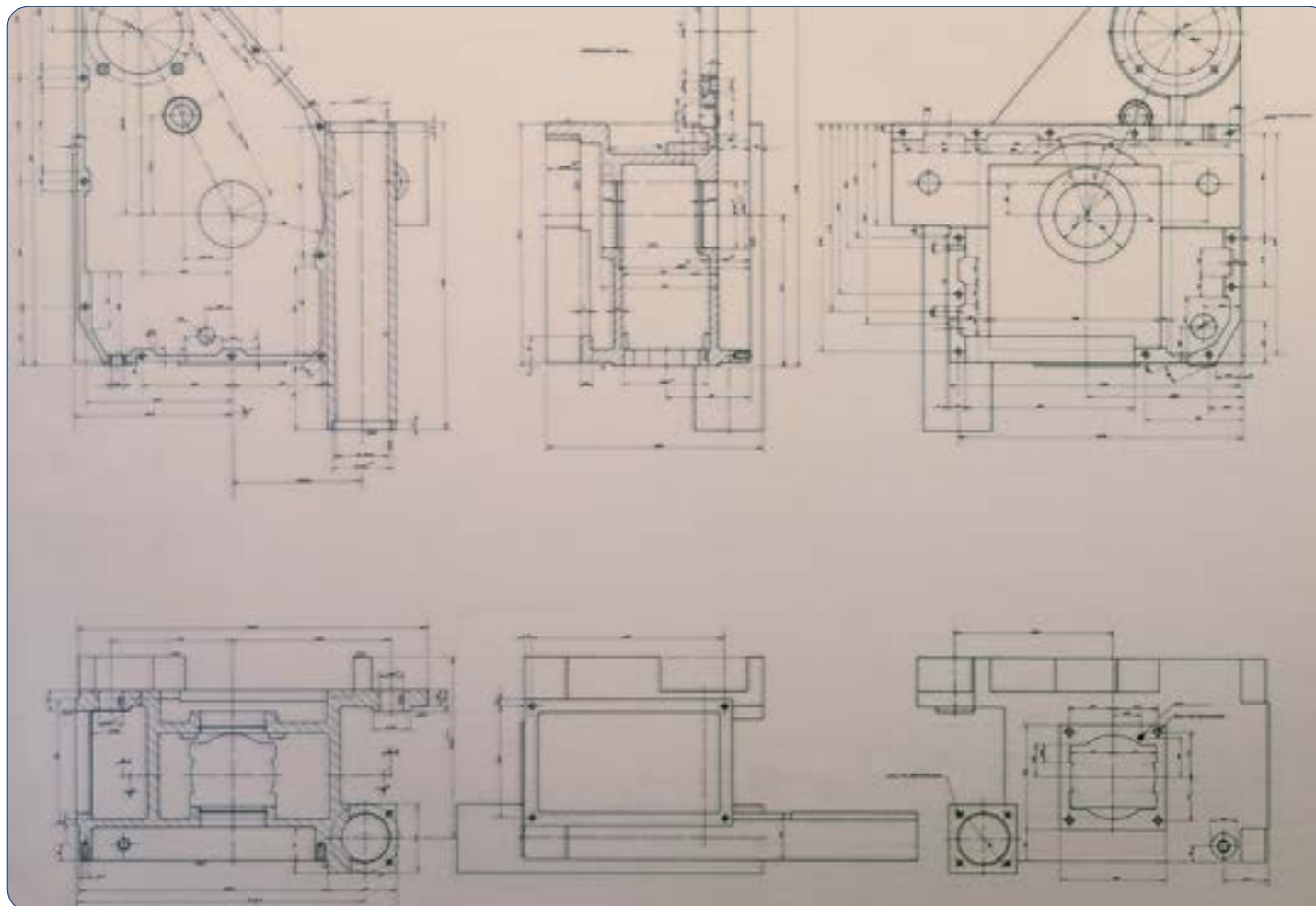
The Engineering office of Iberprecis designs and develops all necessary documentation to ensure the traceability and control of all components.

By means of CAD-CAM we not only develop manufacturing processes for every single component, we also develop the corresponding tools for fixing and control of the components on the machines.

Furthermore, we also design the respective traditional measurement devices according to customer requirements, as well as the correspondent controls for the manufacturing sections. We do all this with the aim to ensure the quality of the finished goods.

To complete our value chain and to offer our clients an integrated solution we collaborate with a partner engineering company:

- Engineering of static, dynamic, linear and no linear calculation through FEM.
- Product engineering: Design and development of mechanical projects.
- Manufacturing engineering: Design and manufacturing of tools and production lines.



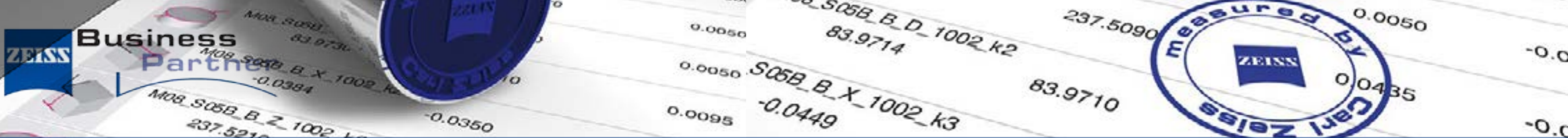
Independent Quality Control

Our quality department, which reports directly to the management board, is involved in the process from the offer to the delivery of the finished goods.

To assure the collaboration of all our departments and areas of the company we create journals for collaboration by means of our internal quality manual.

With our commitment to continuous improvement and diversification in strategic relevant markets Iberprecis disposes of the certifications ISO 9001 and EN 9100.





LABORATORY FOR METROLOGY

Via our laboratory for metrology, our Aukom trained personnel as well as in collaboration with our Business Partner Zeiss, we offer services of measurement including the generation of data records.

• Tactile measuring:

For all kind of prismatic components and turning workpieces in steel, stainless steel, metal alloys, plastic and other materials.

- Customized data records:

- **Measuring programs:** for MMC machines with software Calypso.

• Drawings of CAD 3D:

Conversion of 2D drawings into 3D.

Analysis of components and optimization of production processes.

Reverse Engineering via non-destructive traditional metrology even of the interior of the components.

• Rugosity and hardness:

Measurement of hardness HB, HR, HV of mechanized thermally treated and not treated components.

Measurement of hardness of soft metals in ShA unities.

Measurement of surface rugosity Ra, Rz, Rt, Rq, Ry.

• Consulting and training:

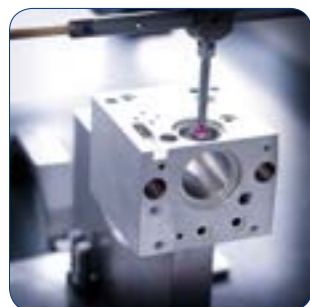
Development and implementation of management systems according to international quality standards.

Product certification.

Training in software measurement.

Advice on software tomography.

EQUIPMENT



ZEISS MMC CONTURA G2 700x1000x600

VERTICAL COLUMN TRIMOS 600

TESA MICRO HITE 3D

VERTICAL COLUMN TESA 600

VERTICAL COLUMN MANSER 400

PROFILE PROJECTORS

MAGNETIC PARTICLES

PENETRATING LIQUIDS

HARDNESS TESTER

METROTOMOGRAPHY

An innovative technology adapted to industrial metrology, capable of providing information of the interior as well as the exterior structure of physical entities by x-ray technology, without destructing the analysed components.

• Benefits of Metrotomography:

OPTIMIZING THE DESIGN OF MOULDS

Thanks to the adjustment of the tools by the use of tomography it is no longer necessary to cut components:

- 50% less adjustments of moulds through real tangible and precise values.
- 100% information and dimensional quality: from prototype to final product, with comprehensive measures, including internal geometries.

OPTIMIZING THE PROCESS OF INDUCTION

Through porosity analysis of the first samples, vital parameters of induction can be optimized.

OPTIMIZING DESIGN AND DEVELOPMENT OF ASSEMBLIES

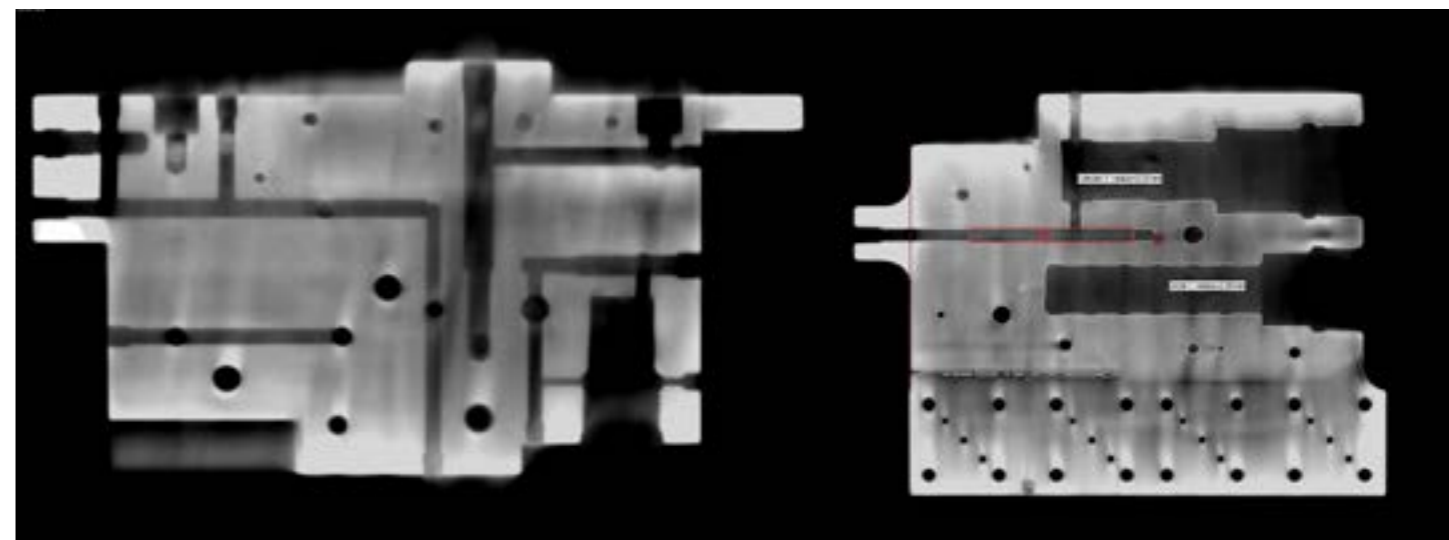
Thanks to the internal visualization of assembled components and the measurement of interior structures, costly process of design can be reduced.

PROBLEM SOLVING

Trough non-destructive measuring a 100% visualization and inspection of weld seams and assemblies in the interior of the housings is possible.

SAVINGS IN MEASUREMENT OF COMPLEX COMPONENTS

CNC programming of measurements which up to now were very time consuming.





Polígono Pignatelli, nave 17
E-50410 | Cuarte de Huerva
Zaragoza | Spain
tel. +34 976 503 727
fax. +34 976 503 728
iberprecis@iberprecis.com
www.iberprecis.com



IberPrecis collaborates with several companies to develop projects in different industrial fields.



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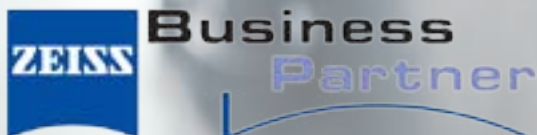
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