



YOUR TURN-KEY DESIGN & PRECISION MACHINING PARTNER

COMPONENTS
KITS
ASSEMBLIES
INDUSTRIAL TOOLING

MEGA-P is certified ISO 9001:2015 & EN 9100:2018* by Intertek for its high precision manufacturing of components, kits, sub-assemblies and industrial tooling.

* The French aerospace / defense quality standard, equivalent to AS9100





THE MORE COMPLEX THE BETTER

MEGA-P, your mechanical engineering turn-key provider with more than 25 years manufacturing custom machined parts, assemblies, sub-assemblies and industrial tooling for critical missions in complex domains:



DEFENSE



AEROSPACE



RENEWABLE ENERGIES



PHARMACEUTICALS



OFFSHORE OIL & GAZ



TRANSPORT

MECHANICAL ENGINEERING

Design, manufacturing and testing of high precision mechanical components: Parts, kits, assemblies and industrial tooling.

Close tolerance one-off, small and medium-size runs of small and large dimension components.



IN-COMPANY DESIGN OFFICE

DESIGN AND CONCEPTION ACCORDING TO DRAWINGS AND/OR MODELS.

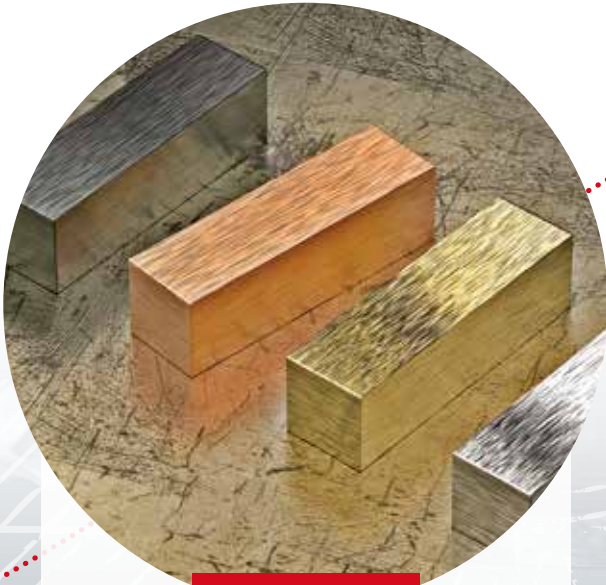
From any technical specification. We can provide 3D digital simulations, strength calculations, automation, drawings and models (Topsolid, Mastercam). Validation of technical solutions on prototypes. Total management of multi-technical projects, industrial toolings and special machines.



PRECISION MACHINING

MULTIPLE PRÉCISION MACHINING PROCESSES AVAILABLE.

- Precision Multi-Axis CNC Machining (up to 4,200 x 1,800 x 1,600 mm)
- CNC Lathe (up to \varnothing 830 x 3,000 mm)
- Wire EDM (max. height: 420 mm)
- Dye Sinking EDM (max: 1,110 x 750 x 400 mm)
- Deep boring (\varnothing min 3 x 1,500 mm)
- Surface & Cylindrical Grinding
- Welding (under WPAR - WPS qualification process)
- Overhead cranes (5 to 20 tons)



MATERIALS

FORGED AND HEAT TREATED COMPONENTS MACHINING. ADDITIVE MANUFACTURED COMPONENTS MACHINING.

Stainless Steel, Super Alloy, Inconel, Heat Treated Inconel, Titanium, Aluminium, Copper Aluminium, Forged Stainless Steel, Lead, Plastics, Boron Carbide, Ebonite.



ASSEMBLY

MEGA-P PERFORMS A VAST ARRAY OF MECHANICAL, HYDRAULIC, PNEUMATIC AND ELECTRICAL ASSEMBLIES, INCLUDING:

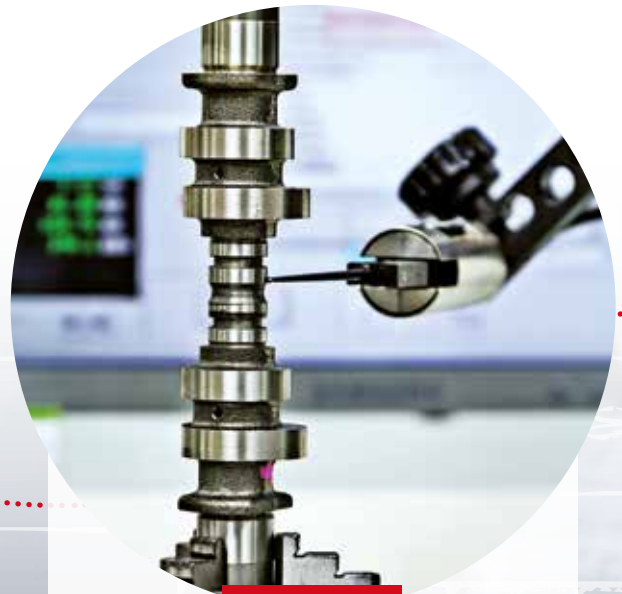
- Bearing Installation, Broaching, Crimping, Adhesive Bonding, Ring fitting, Soldering, Welding, Staking, Coating / Painting, Automation.
- Integration of: Heating systems, Hydraulic actuators, Cables / Harnesses, Valves, Relief Valves, Helicoils, Plugs, Pins...
- Manufacturing and retrofit of power transmission equipments.



ROBOTIC CENTER

OUR ROBOTIZED MACHINING CENTER MANUFACTURES DIFFERENT KINDS OF COMPONENTS THROUGH MULTIPLE TYPES OF MACHINING AND ASSEMBLIES PROCEDURES, ON A 24/24H 7/7DAYS BASIS.

i.e.: Through a joint work with the client, and after finding the proper ebonite alloy, Mega-P currently produces more than 5,000 mouthpieces per year that complete worldwide renowned saxophones.



TESTING

IN CONJUNCTION WITH OUR IN-COMPANY ENGINEERING AND MACHINING SERVICES, LOW-VOLUME TESTING SERVICES ARE AVAILABLE.

Please contact our engineering team for additional information.

REQUEST FOR QUOTE

Find out how MEGA-P can support your business needs.

+33 2 32 77 52 77
rfi-rfq@mega-p.fr

OUR COMMITMENT TO QUALITY

Your quality demands transposed all through the value chain.

Since 1989, MEGA-P supports its aeronautical, spatial, defense and other industry customers (precision measurement machines, musical instruments, glass, medical instruments) in their search for the quality high standards that the international market imposes.

Quality driven design

Our integrated design office conceives the components and equipments according to the design-to-quality & design-to-cost demands. The at-first principle is integrated in the design and the manufacturing.

High precision manufacturing

Our production capacities are set to obtain a 1/100mm for the precision machining and until 1 micron for the grinding.

Enhanced tests & controls

Our operators self-control is enhanced by additional post manufacturing control steps. We are equipped with recent measurement machines such as 3D (LK & Johansson), a durometer, a profile projector, a measure

column, a microscope... Also, thanks to our pressure test rig we are able to verify the compliance of the parts especially conceived for the submarine environment (up to 400 bars).

Selection, control & follow-up

As an essential part of our procurement procedures, we constantly select, control and evaluate our providers, following the EN/AS 9100 standards required by our main customers. When needed, we select the appropriate suppliers, in order to bring the better quality of service:

- Upstream, for the structural calculations, mechanical resistance, boiler making, welding...
- Downstream, for the subcontracting management of the post-manufacturing additional services: surface treatment, painting, marking...

MEGA-P is
ISO 9001:2015
and EN 9100:2016
certified by



MEGA-P IS A PROUD MEMBER OF:



MEGA P

2, rue Lavoisier
ZA La Chartreuse
27940 AUBEVOYE
T. : +33 232 77 52 77
F. : +33 232 52 46 85
<http://mega-p.fr>