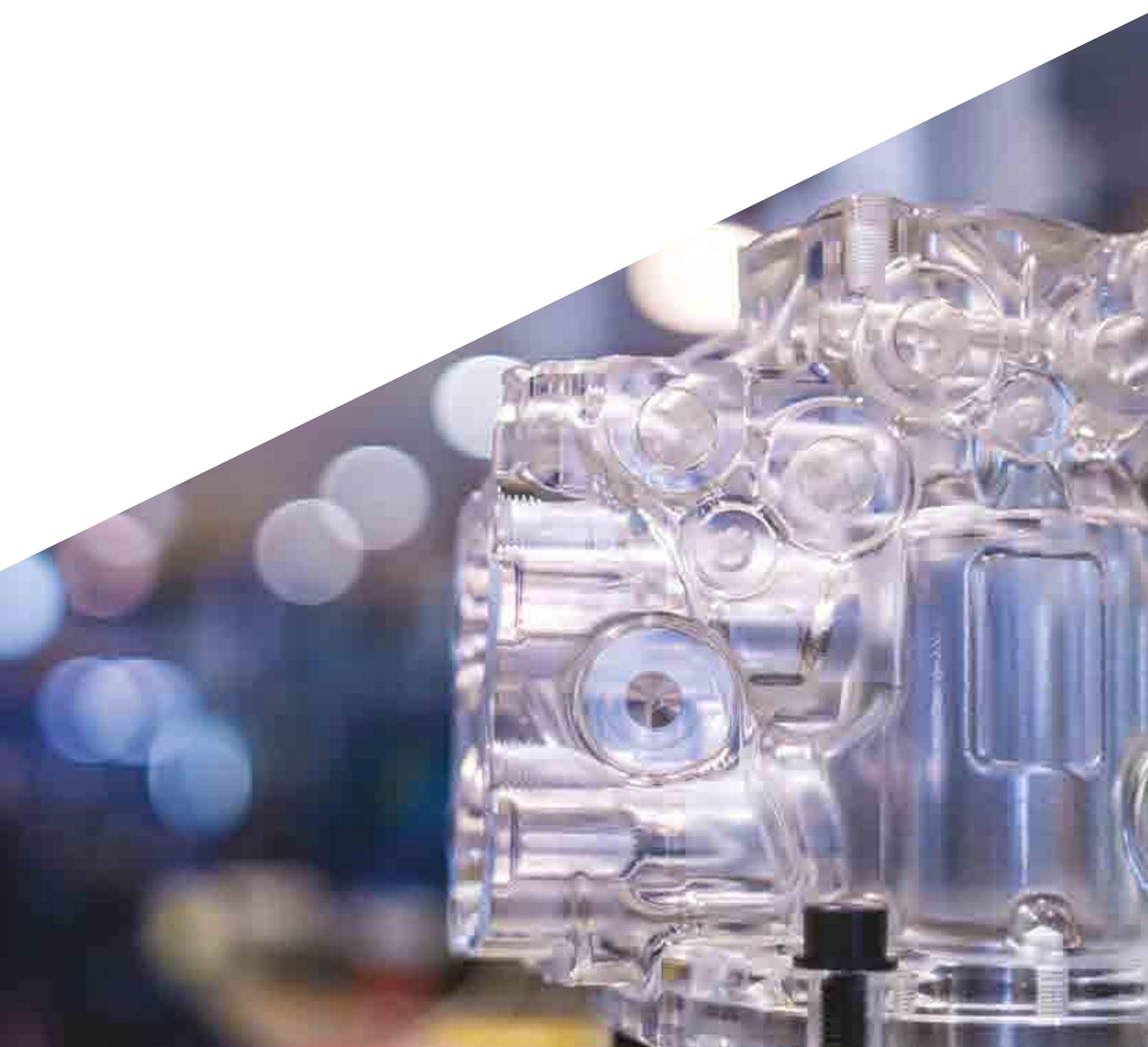


# MEZZINA

progettazione e realizzazioni  
meccaniche industriali



# the company



Officine Mezzina is a long-established company committed to the field of precision mechanics for years. A team of internationally acknowledged professionals in the field of designing and manufacturing of mechanical components intended for the world of industry.

The company operates in Bari (namely in Molfetta, a 20-minute drive from Bari airport) and has internal divisions dealing with designing, continuous 5-axis milling, turning, grinding, boring, wire and die-sinking EDM, heat treatments, carpentry, coating and assembly. We boast a plant of 8000 square meters divided into sectors and more than 30 employees.

Over the years, the company has increased its know-how to the point of developing more and more innovative production technologies, never losing track of the importance of making investments in order to ensure quality and reliability to different customers

**Officine Mezzina made a value out of research, investing resources for years destined to the development and constant advance of the synergy between designing and manufacturing of industrial mechanics.**

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With accredited expertise, there are several operating areas in which high-precision products are manufactured.

# reference sectors

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Automotive  
Aeronautical  
Aerospace  
Motorsport  
Research centers  
Energy  
Manufacturing  
Railway  
Packaging  
Earthmoving



**MEZZINA**

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# activities

Thanks to highly specialized personnel  
we can guarantee specific activities

Designing, AutoCAD drawing,  
Catia V5

CAM management by means of CATIA V5,  
POWER MILL and FEATURE CAM

Continuous 5-axis milling

Precision boring

Turning

Tangential grinding

Internal and outside diameter grinding

Wire/die-sinking EDM

Rolling

Thermal treatments

Medium-small carpentry

Coating

Mounting/assembly and testing

Metrological certification

# our services

A wide range of professional services is guaranteed to high-profile customers, together with other services requiring special treatments, some of which are outsourced to companies of proven expertise and absolutely trustworthy

Designing/construction and certification of gauges of various kinds.

Designing/construction of equipment for metrology room

Expansion and radial compensation boring heads

Construction of elastic clamps of various types

Designing/construction of clamp bodies and elastic clamps having 0.003 mm MAX oscillation

Manufacturing of vulcanized expansion clamps having 0.003 mm MAX oscillation

Construction/assembly of electro-welded structures

Welding with TIG and AC/DC technology and continuous wire

Braze welding processing

Hot and cold hardfacing of micro-powders (metal-ceramic-Teflon)

Designing/construction of tools and pallets for workpiece handling and clamping on machine tools

Disassembly, overhaul and testing of mechanical and pneumo-hydraulic equipment of various kinds

Third party machining of single parts and small/medium series.

Mechanical processing on steel, titanium, carbide, plexiglass, plastics, borosilicate, graphite and ceramics

Measurements of dimensions and shape errors of finished mechanical parts with corresponding inspection reports also on behalf of third parties

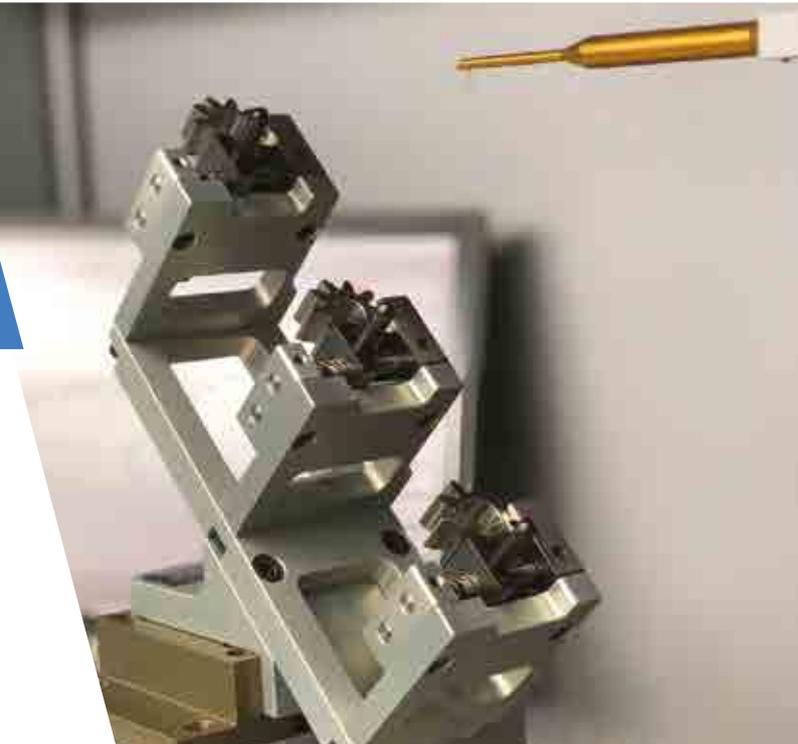
## Designing/construction of measuring equipment

Designing is extremely important to us and it is the result of a decennial experience. A field entrusted to highly qualified designers able to provide customers with more and more functional and innovative solutions for metrological control and measurement strategies without disregarding ergonomic and aesthetic aspects

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- ▶ Clamping systems for CMMs provided with interface such as:
    - > roundness measuring instrument
    - > roughness testers
    - > optical and contact CMM probes
  - ▶ Precision spindles for precision measuring centres
  - ▶ Interface providing rapid change for CMMs with fixed and/or rotaty tables
  - ▶ Rigid setups of probing systems enabling the fixing and/or rapid and precise replacement of individual angle probes
  - ▶ Designing and manufacturing of special gauges allowing a reliable and fast control directly on the line by using a standard equipment.
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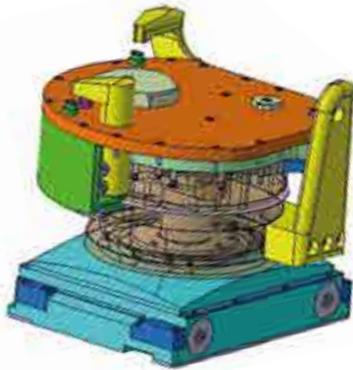
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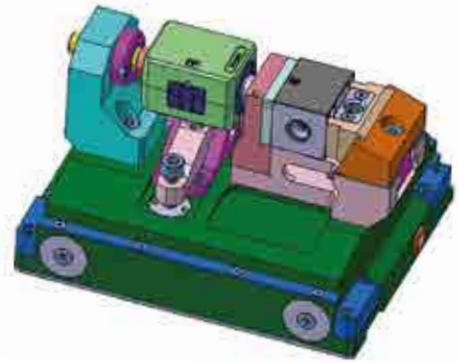
Tailstock with phasing/driving system on inside grooved profile by means of an expander



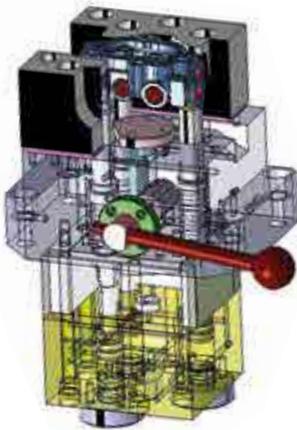
Multiple pallet for machining centre with manual workpiece positioning and hydraulic clamping



Pallet for Grob machining centre with vertical clamping system from below



. Pallet for Grob machining center with clamps and radial centring



Turret for machining centre with manual workpiece positioning and hydraulic clamping



Pallet for Grob machining center

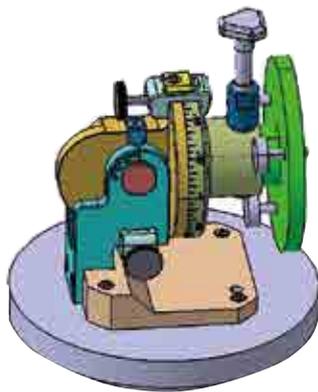
# different designing



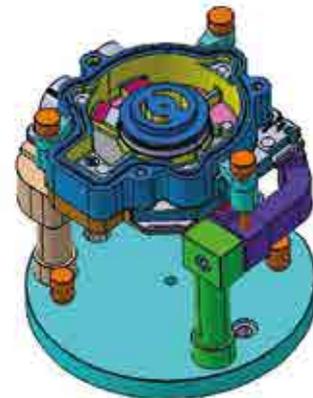
Turret for machining center with manual  
workpiece positioning and hydraulic clamping



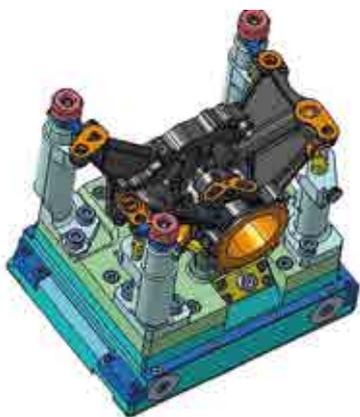
Inside control station for holes by means of  
fiber optic visor



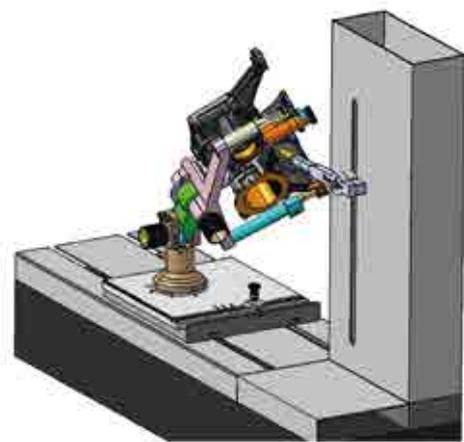
Adjustable tracer for roughness tester



Zeiss measuring machine positioning

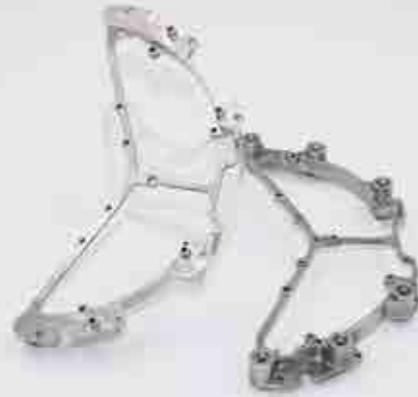


Pallet for Grob machining center with  
workpiece clamping from above



Adjustable 5-axis positioning for roughness  
tester

# different products





# range of machines

We can count on a wide range of machines of high technological level granting highest quality precision according to each machining processes request

## cutters



MAZAK VTC - 300C II



MAZAK VARIAXIS 630 - 5X II T



MAZAK VTC - 800/30 SR



MAZAK 730 - 5X



FPT TESSEN EVO L50 (incoming)



MAZAK VERTICAL CENTRE NEXUS 510C

# lathes

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MAZAK INTEGREGX - 400 III ST



MAZAK INTEGREGX 200 - IV



MAZAK INTEGREGX - 200 II Y



MAZAK SQT - 250 M



MAZAK INTEGREGX I-200 (incoming)

# electroerosion

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AGIE AGETRON HYPERSPARK 3



AGIE AGIECUT CLASSIC 2S



AGIECHARMILLES DRILL 20 (incoming)



AGIECHARMILLES PROGRESS VP 3 (incoming)

# grinding

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ROSA ERMANDO AVION 13.7



Tacchella grinding machine  
mod. 1018 UM



Tacchella grinding machine  
mod. 618 UM



ICMA San Giorgio Boring machine  
mod. CS1 displayed



FIMAP boring machine



Thread rolling machine  
ORT RP 30/U

# carpentry

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SAIMA painting booth



Sandblaster VP5



Pantograph



# metrology



Three-dimensional MITUTOYO  
CRYSTA APEX C 9166



Three-dimensional MITUTOYO  
EURO-C 9106



Three-dimensional MITUTOYO  
CRYSTA APEX S 9208 (incoming)



ZEISS TSK Rondcom 60 cnc  
rotational accuracy form tester



Roughness tester / CNC contour  
measuring instrument ZEISS TSK  
Surfcom 1800 D-23-N



MAHR CNC 828 CIM  
precision length  
measuring machine



MICRO-VU 3D CNC optical  
QUBIC series measuring  
machine



Speroni Esperia 44 stp  
presetting system



MITUTOYO optical machine  
QVT1-L404Z1L-D (incoming)



GRAPHIX LASER MARKER

# direct customers



## certifications

In accordance with the current regulations in matter of Quality Certification,

Officina Mezzina S.n.c. has implemented state-of-the-art systems and procedures and obtained the following certifications: certified Quality System and Corporate Planning since 2000 issued by DNV ITALIA S.p.A. according to UNI EN ISO 9001





# indirect customers



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