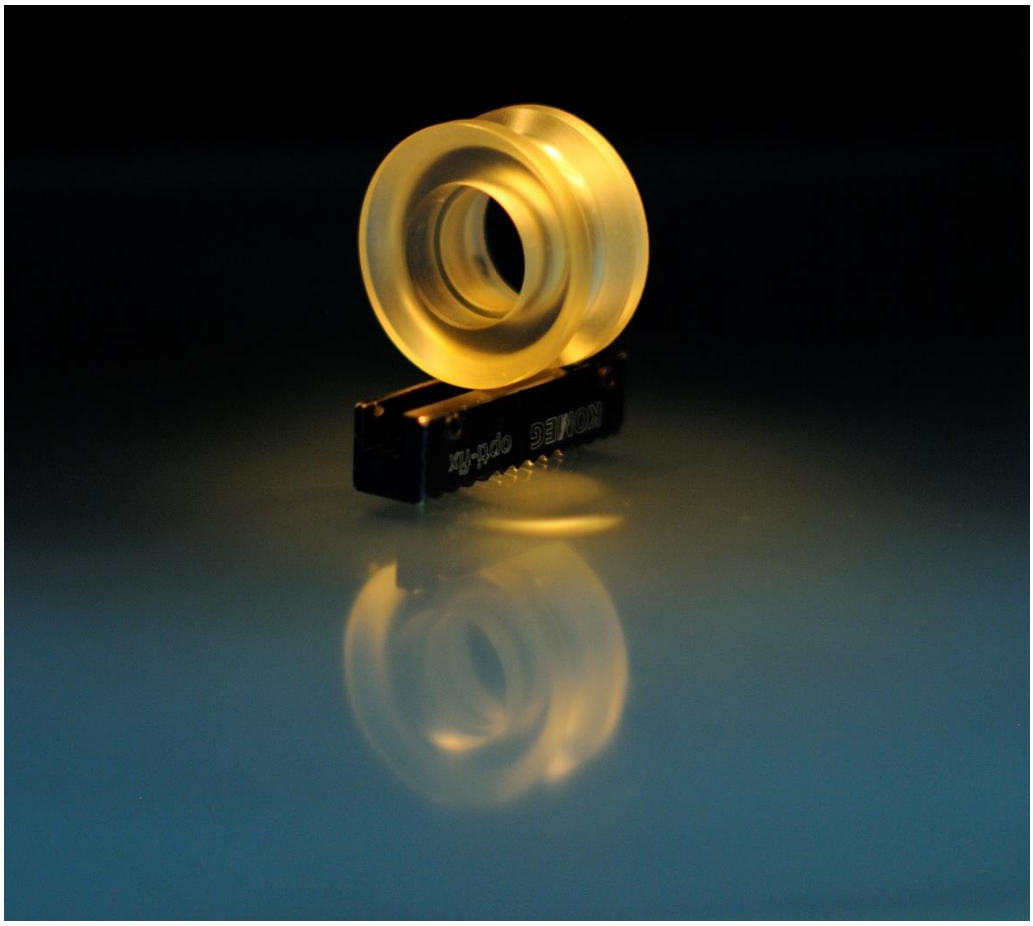
MECS

PRECISION MECHANICS

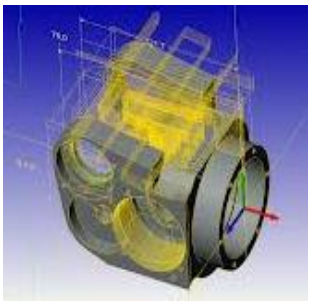


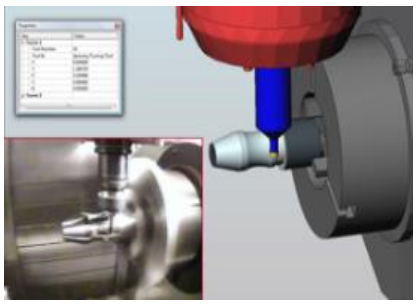
WHAT WE DO

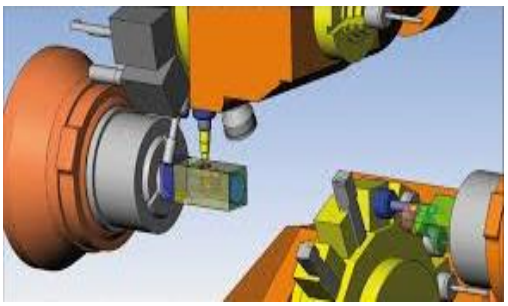
MECS s.n.c. is an Italian company that produces small precision mechanical components. We turn and mill metallic and plastic materials. Specialized in particulars related to the banking automation sector, we also operate in other fields such as photography, the medical sector, automotive, motorcycles, the nautical field, goldsmith, earthmoving, underwater, electronic cigarettes, etc. **Prototyping, high quality small/medium productions and small assemblies** are our daily work. If it is required, we also offer technical consulting services such as feasibility analysis, product engineering and project finishing. We project and manufacture items, too.

CAD/CAM PROGRAMMING

ESPRIT, a sophisticated CAD/CAM system designed to program machine tools, allows the engineering and 3D simulation of the pieces and their processing before their production significantly reducing the time of manual programming and any possible mistake during the production step.







MECHANICAL WORKING

Turning

For metallic and plastic material turning we use six latest generation lathes for diameters from 3 of up to 35 mm: some of them have a high pressure system for deep drilling and heaving machining.

Milling

Our milling machines are designed for light alloys (aluminium, aluminium alloys, brass and titanium). We can produce milled parts in a a three-dimensional space of 400x250x250 mm. We are specialized in the milling of aluminium and plastic pieces.

Special machinery

A special machinery built to satisfy the needs of one of our customers, measures, checks and corrects the axial oscillation of mechanical shafts.

MATERIALS

In addition to drawn/profiled bars used in common machining such as high-speed steels, brass and aluminium, we are expert in the machining of stainless steels (AISI 303, 304, 310S, 316, 430), steel alloys, bronze, copper, plastic materials, i.e. plexiglass, methacrylate, PVC, nylon, polythene HD, polycarbonate and light alloys as titanium.

SOME PRODUCTS

QUALITY CHECK

Quality check is our strong point: our LQA (Level of Acceptable Quality) is very high. Our measure room is provided with high performance tools for optical and touch tests:

- projector profile;
- contact measuring machine;
- contact measuring machine;
- optical measuring machine;
- roughness tester;
- digital micrometers to measure external diameters;
- mechanical micrometers to measure internal diameters;
- optical digital camera to highlight fast defects not visible to the human eye.

We are close to attaining the quality certificate ISO 9001:2015.

ENVIRONMENTAL QUALITY AND ENERGY SAVING

We pay attention to the ecological issues related to our employees' working conditions. We care for their health:

- we only use organic oils;
- a fume extraction system provides high quality environmental micro-filtered air to 99.98% returning;
- adiabatic blast chillers, that use only water, guarantee a pleasant temperature in the plant during the summer;
- An inverter provided compressor dispenses power if necessary, avoiding waste of electricity;
- the led lighting system allows significant energy saving;
- we carry out selective collection of waste chips.

AN ECO FRIENDLY COMPANY

WHO WE ARE

Alessandro Suman, who has been working in the field of precision mechanics for over twenty years, founded the company starting from scratch at the age of 33 in 2007. Since 2016 he has been in a partnership with his wife, Rossella Paccapelo. Sixteen employees work in shifts to satisfy the requests of about forty customers. Ours is a young environment: 80% of our staff is under 25 and receive on-the-job training.

MISSION AND WORK PHILOSOPHY

Our mission is the **customer's satisfaction:** we want to be its reference point. Our philosophy is to be always **future oriented** and to combine at our best industrial production together with the care of an artisan. We have been developing according to the needs of an increasingly fast and demanding market:

- we have diversified our production to make new experiences;
- we continuously reinvest in innovative organizational technologies and human resources;
- we provide our people with technical updating courses and English classes;
- we organize our daily production according to our clients' requirements;
- we regularly visit trade fairs and take part in open house events involving our staff.

WHERE WE ARE

Our facilities are in Piedmont, in the green area called Canavese, where Olivetti mechanics was born.

Main office (Ivrea)

Plant (Burolo)

INITIATIVES

- We promote development projects, including a mechatronics business network (HUB22 Mechatronics);
- we exhibit at sector fairs (eg. A&T in Turin);
- we participate in initiatives related to the world of education and training (technical teaching, school-work alternation, PMI day, etc.).

2018 PROJECTS

- To obtain the ISO 9001:2015 certification;
- to digitalize processes according to industry 4.0 directives;
- to acquire new technology and specialized personnel for the birth of a prototyping department;
- to inaugurate the Ivrea main office, where we will move the production plant and where some of the companies associated with the business network will move, plus coworking spaces and a training room.

MECS S.N.C.

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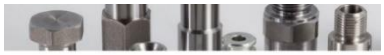
Web site: www.mecs-torneria.it

Azienda Associata a

CONFINDUSTRIA CANAVESE
Associazione Industriali del Canavese

CNA Confederazione Nazionale dell'Artigianato e della Piccola e Media Impresa



TAVOLO DELLA MECCANICA PIEMONTE