

[Pro]^M

MECHATRONICS
PROTOTYPING
FACILITY

industrial research

prototyping

mechatronic product
development

ProM

Facility

ProM Facility offers fast prototyping and product development services by combining conventional mechanics with the most advanced and sophisticated systems for 3D printing, artificial intelligence, component testing and prequalification.

Here is a prototyping facility for start-ups and for companies seeking to research, develop, manufacture and test mechatronic systems and products.

It also offers students, undergraduates and PhD candidates research projects and training of excellence based on the application of transversal skills. The facility is able to propose to technical staff members of mechatronic divisions

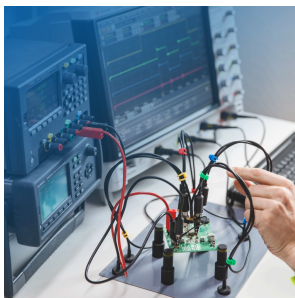
occasions for refreshing and specialised training in a dynamic and state-of-the-art context.

It is a Trentino Sviluppo initiative in partnership with the Bruno Kessler Foundation, the University of Trento and the Autonomous Province of Trento, supported by Confindustria Trento.



strategic

programs



automotive, especially optimisation of components for racing and for man-machine interfaces

avionics/aerospace, design and production of components for drones and satellites

biotech & sport-tech, including the development of robot joints, 3D printed prostheses, reconstruction of anatomical parts using 3D imaging

enabling technologies

3D printing
Additive manufacturing (using polymers and metals) and hybrid (additive/subtractive) manufacturing

Information Technology
High Performance Computing, Internet of Things, Artificial intelligence, Deep Neural Network, Cyber Security

Mechanics
CNC mechanical processing, pipe and sheet metal laser cutting

Electronics
Prototyping of integrated electronic circuit boards, characterization



and qualification of components and systems

Metrology
Geometrical and dimensional verification, 3D reverse engineering, X-ray tomography, mechanical testing and climatic chamber testing



network

- SMACT Competence Centre del Nord Est
- DIH / Confindustria Trento
- SpeedHub / Confindustria Verona
- INFN - Padova
- Vanguard Initiative
- SDAM Alliance

promfacility.eu

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