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EVENT

SME Pitches

Percipio Robotics

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Company at a glance

We design, develop and implement the **robotics solution** to handle & assemble **microcomponents**.



A team based in France of 40+ employees, including 7 PhDs



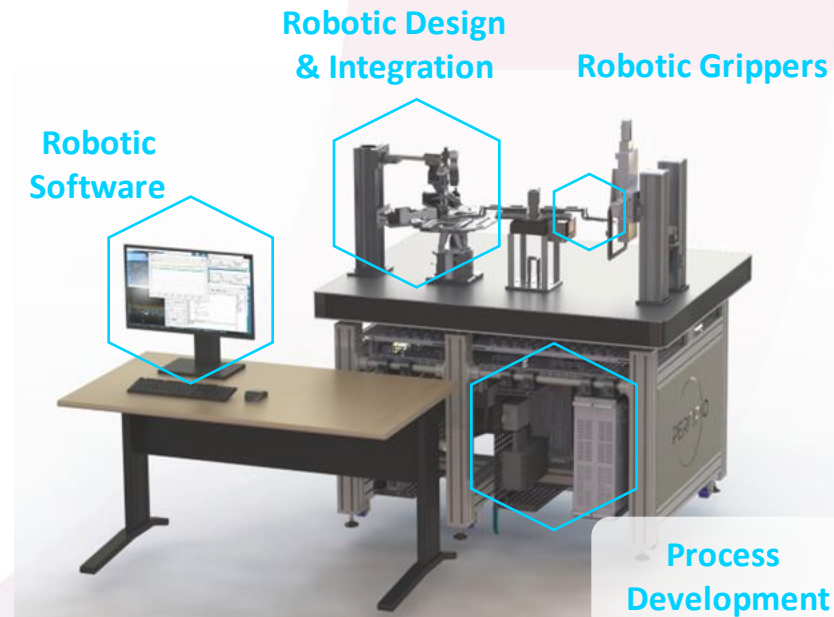
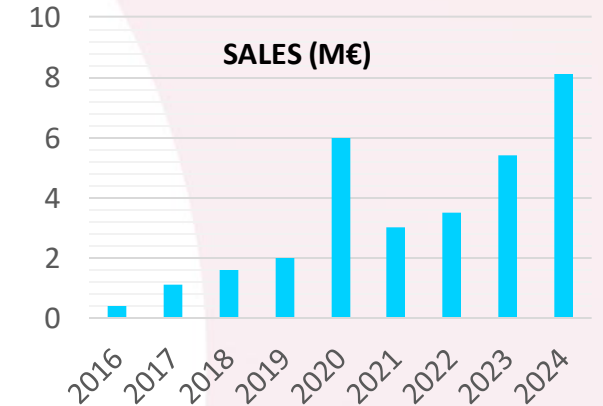
R&I at the heart of development : 12% of sales reinvested and over 30 employees directly involved



Electronic packaging, biomedical device, watchmaking industry, ...



Handling **objects as small as 5 μm in size**
Assembly/positioning **accuracy down to $\pm 0.5 \mu\text{m}$**
50+ machines installed since 2016
1 M components assembled / week worldwide



Company's Activities

Active participation in several research projects :

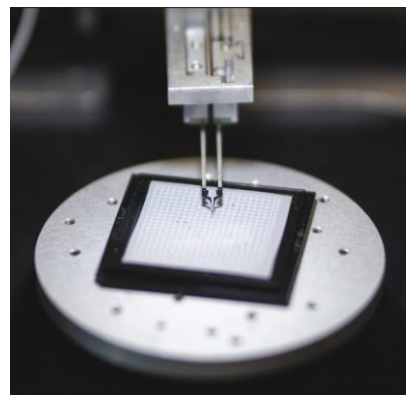
MoMeQa (2013-2018, BPI France) : Industrial cobotics for micro-assembly in the watchmaking industry

CITHaDel (2015-2019, InterReg FR-CH) : Hybrid integrated cell for microforce measurement

3S-MEMS (2015-2019, FEDER) : MEMS silicon production chain for innovative sensors

COLAMIR (2016-2021, ANR) : High-precision assembly using a collaborative, agile micro-robotics approach

French Precision (2018-2023, BPI France) : Monitoring service and predictive maintenance solution for industrial machines

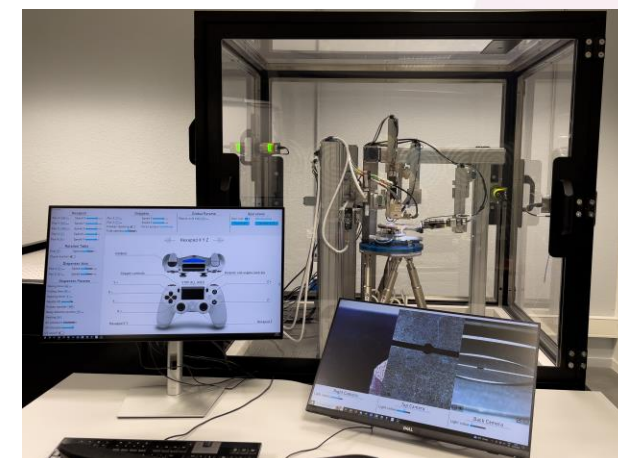
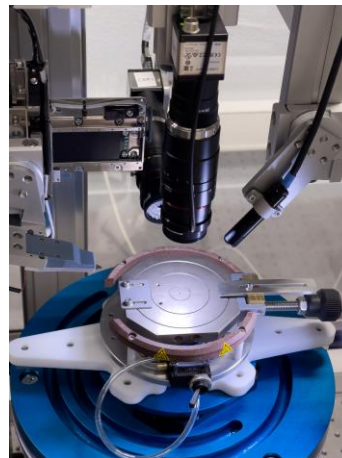
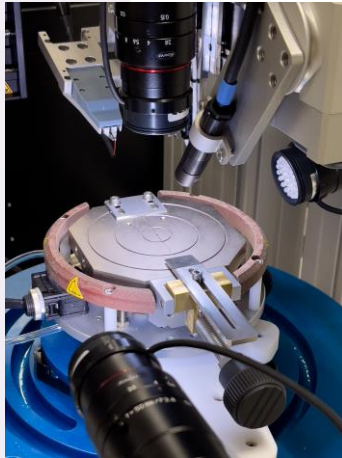


Company's Activities

Development of a machine for **EPFL** 's MicroManufacturing Center able of grasping, placing and fixing electronic components in 3D printed structures for

Numerous challenges met:

- Multiple user profiles, from researchers to students in the learning process
- Easy handling thanks to a cobotic system
- A user-friendly interface for control, understanding and measurement
- Scalable system to adapt to changing needs



Collaboration Expectations

What we offer :

Development of micromanipulation platforms tailored to your needs

Maturity enhancement (TRL 3-8) through a collaborative approach

A modular and flexible approach



What we are looking for :

Taking on new, innovative challenges to push back the frontiers of precision assembly (active/passive alignment, ...)

