

ECS
BROKERAGE
EVENT

SME Pitches

Percipio Robotics


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PERCIPIO ROBOTICS

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Company at a glance

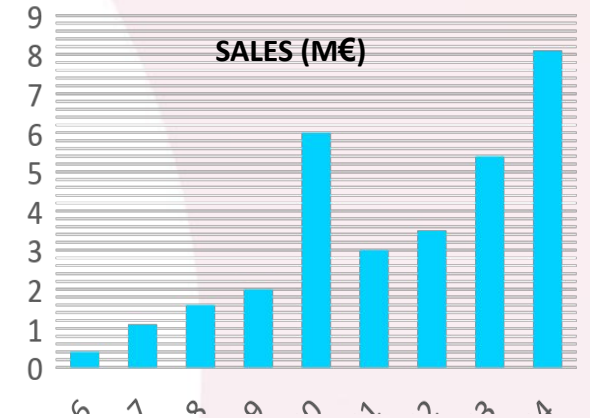
We design, develop and implement the **robotics solution** to handle & assemble **microcomponents**.

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

 R&I at the heart of development : 30 employees directly involved

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

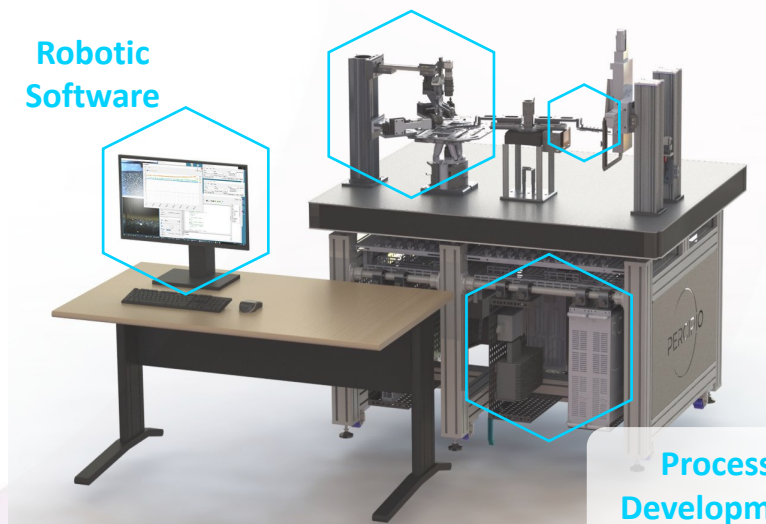
 Handling **objects as small as 5 μm in size**
Assembly/positioning **accuracy down to $\pm 0.5 \mu\text{m}$**
50+ machines installed since 2016
1 M components assembled / week worldwide



Robotic Design
& Integration

Robotic Grippers

Robotic
Software



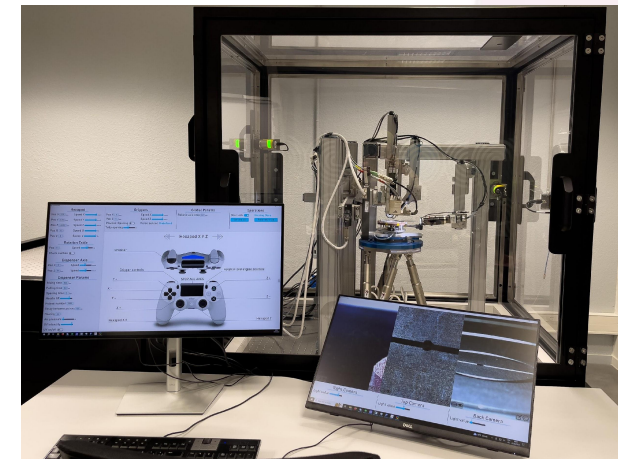
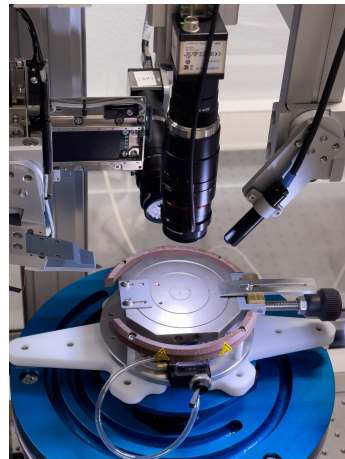
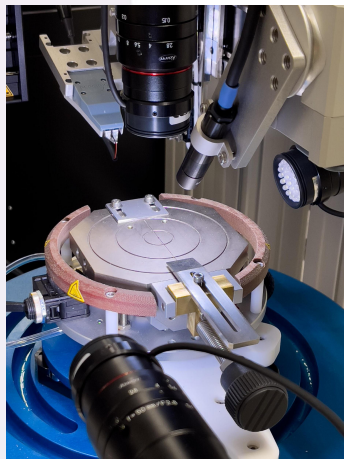
Process
Development

Company's Activities

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

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



Company's Activities

Active participation in several research projects :

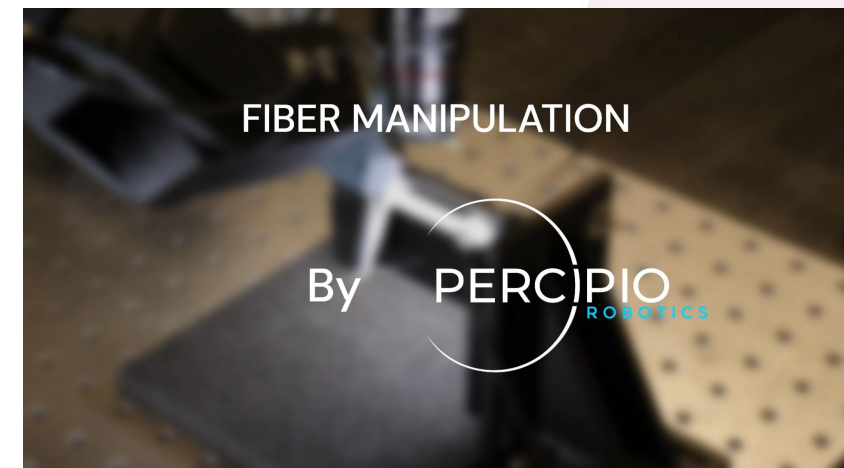
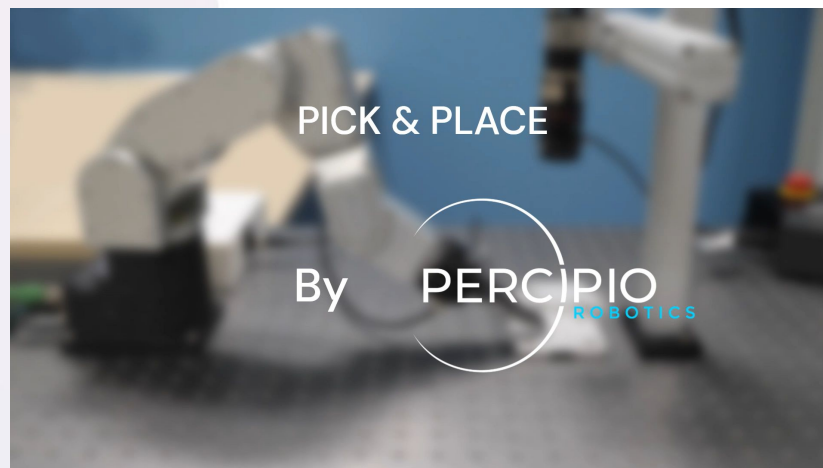
MoMeQa (2013-2018, BPI France) : Industrial cobotics for micro-assembly in the watchmaking industry

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



Collaboration Expectations

Ambition : Tackling a major **packaging** challenge by reducing the cost of **hybrid integration**

How : Gradual robotization of processes and effective co-development

What we offer : Robotic systems adapted to both R&D and production ramp-up phases.
Bringing you our **expertise in micromanipulation** to work with you to create innovative processes.

What we are looking for :

Taking on new, innovative challenges to push back the frontiers of precision assembly in project such as :

HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-63

HORIZON-CL4-INDUSTRY-2025-03-MATERIALS-46

HORIZON-CL4-2025-04-DIGITAL-EMERGING-01

