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wophotonics.com
WOP
WORKSHOP OF PHOTONICS

About WOP

18+ years of expertise

in femtosecond laser micromachining with a high focus on glass

6 in-house and 2 licensed patents

enabling cutting-edge technologies

60+ professionals

5 Ph.D., 30 M.S. and B.S.

R&D studies

with more than 10 academic and research partners

500+ feasibilities / year

Members of

EPIC European Photonics Industry Consortium

LITHUANIAN LASER ASSOCIATION

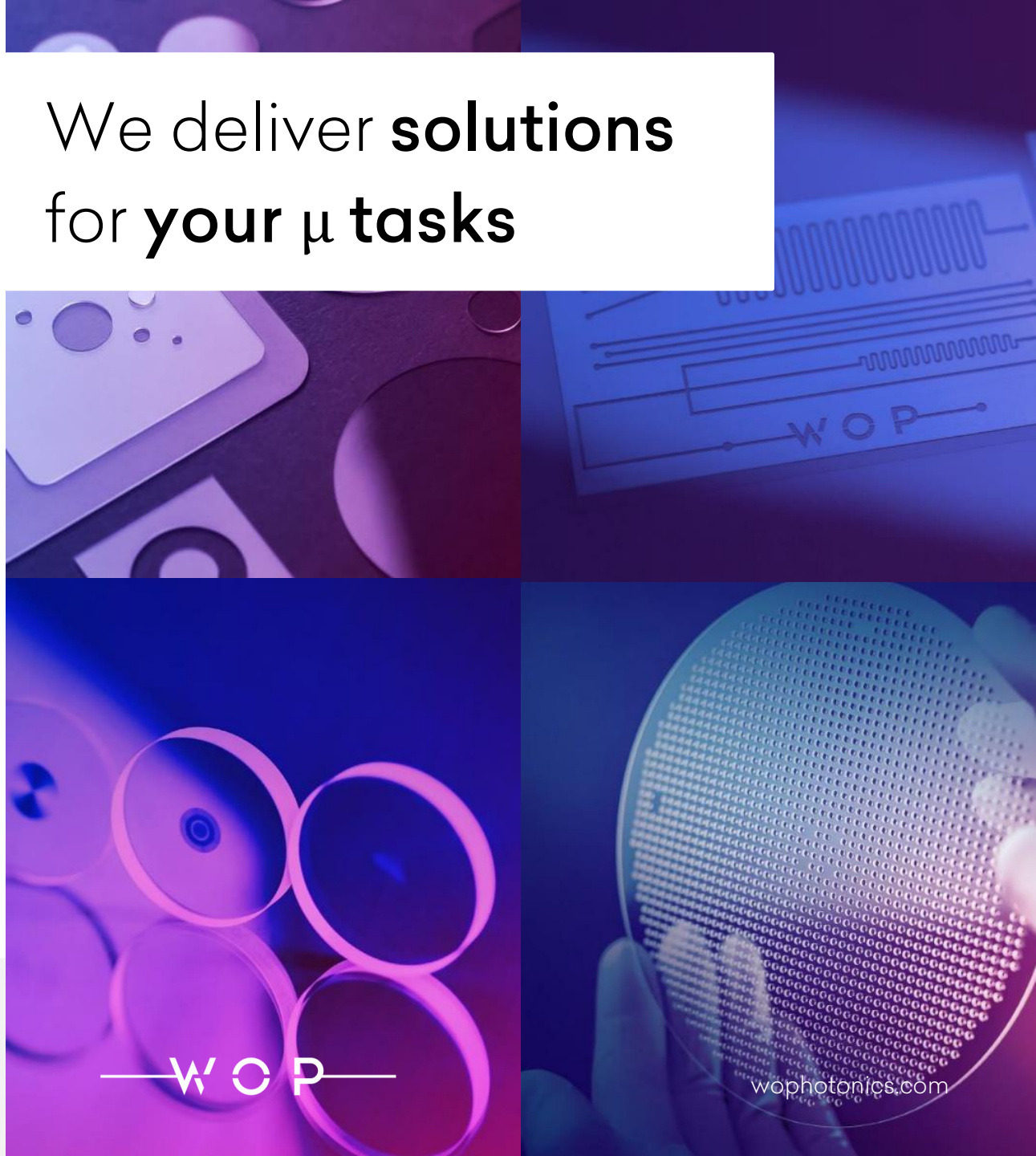
semi

Toolas

ISO certified

SERTIKA ISO 9001

We deliver **solutions** for **your µ tasks**



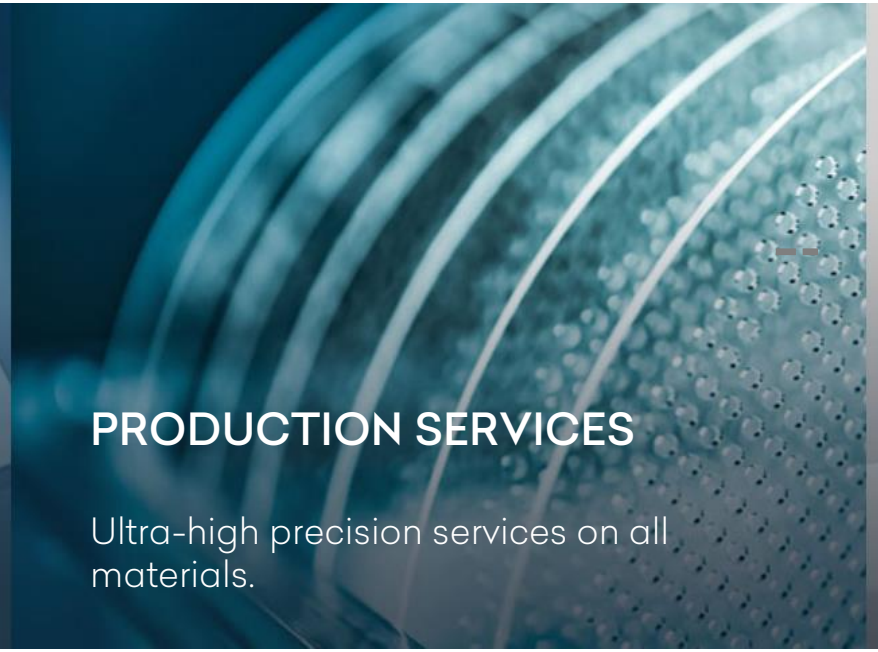
Full-service solutions

for industry & science

HAVE A MICRON CHALLENGE?

PROTOTYPING

Rapid prototyping services to test your idea in an actual environment.



PRODUCTION SERVICES

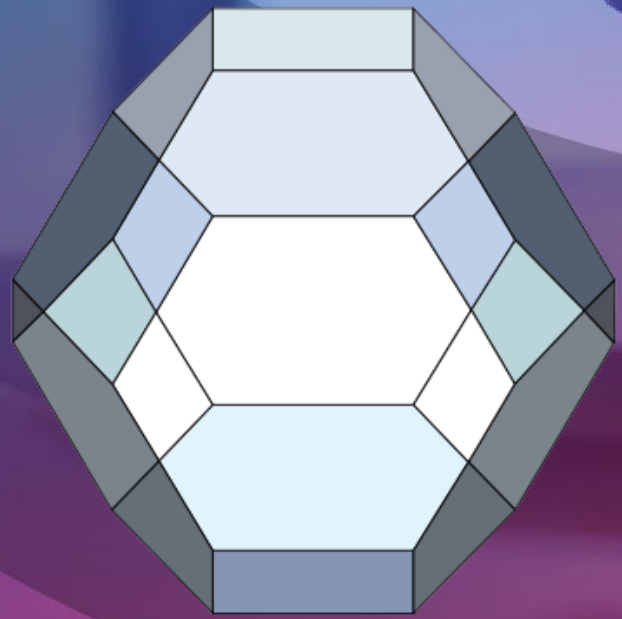
Ultra-high precision services on all materials.

LASER SYSTEM DEVELOPMENT

Tailor-made laser systems designed for your specific application.

All materials: glass, sapphire, ceramics, silicon, metal, plastic, optical fibers.

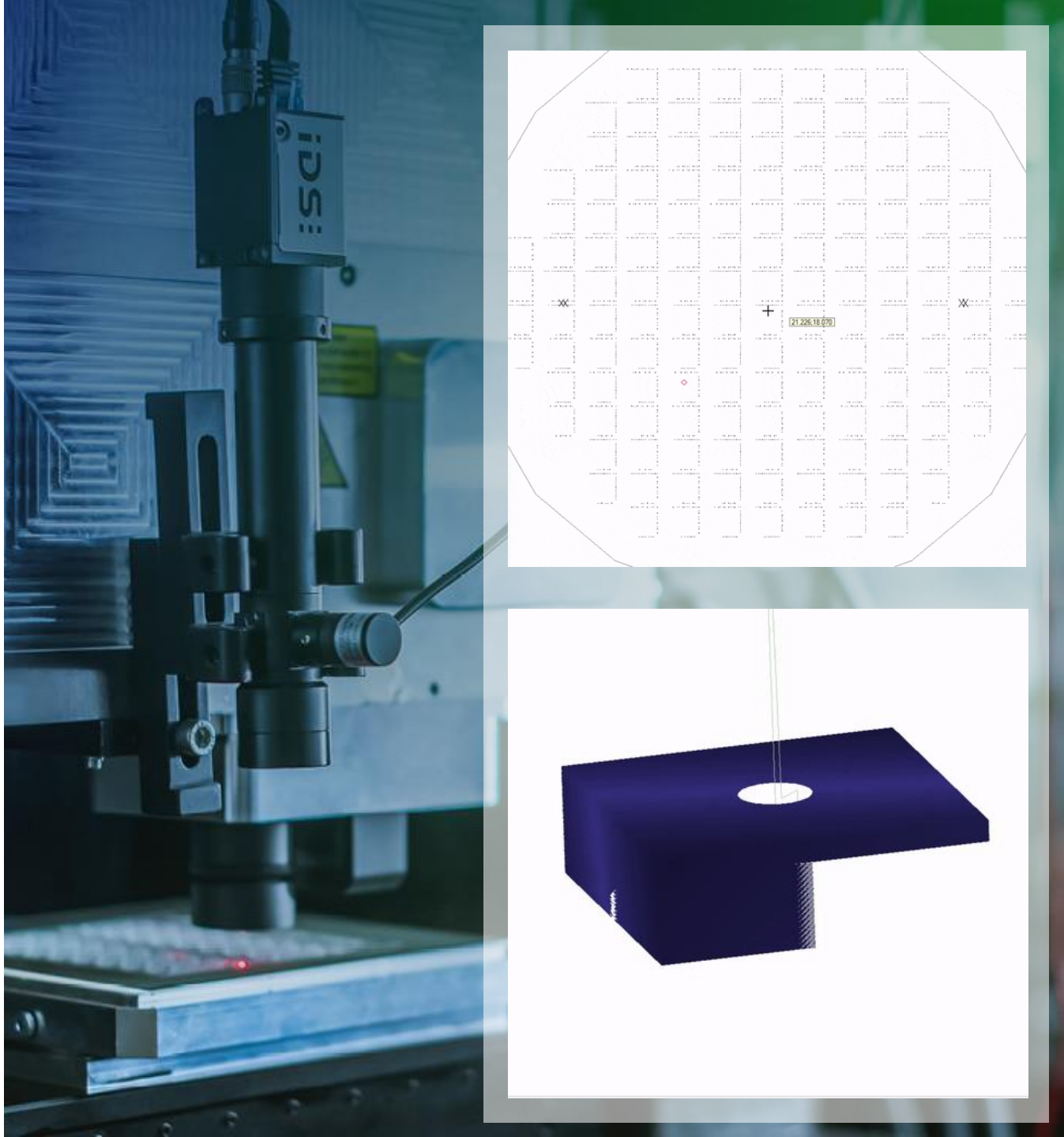
SCA ’22



What is SCA?

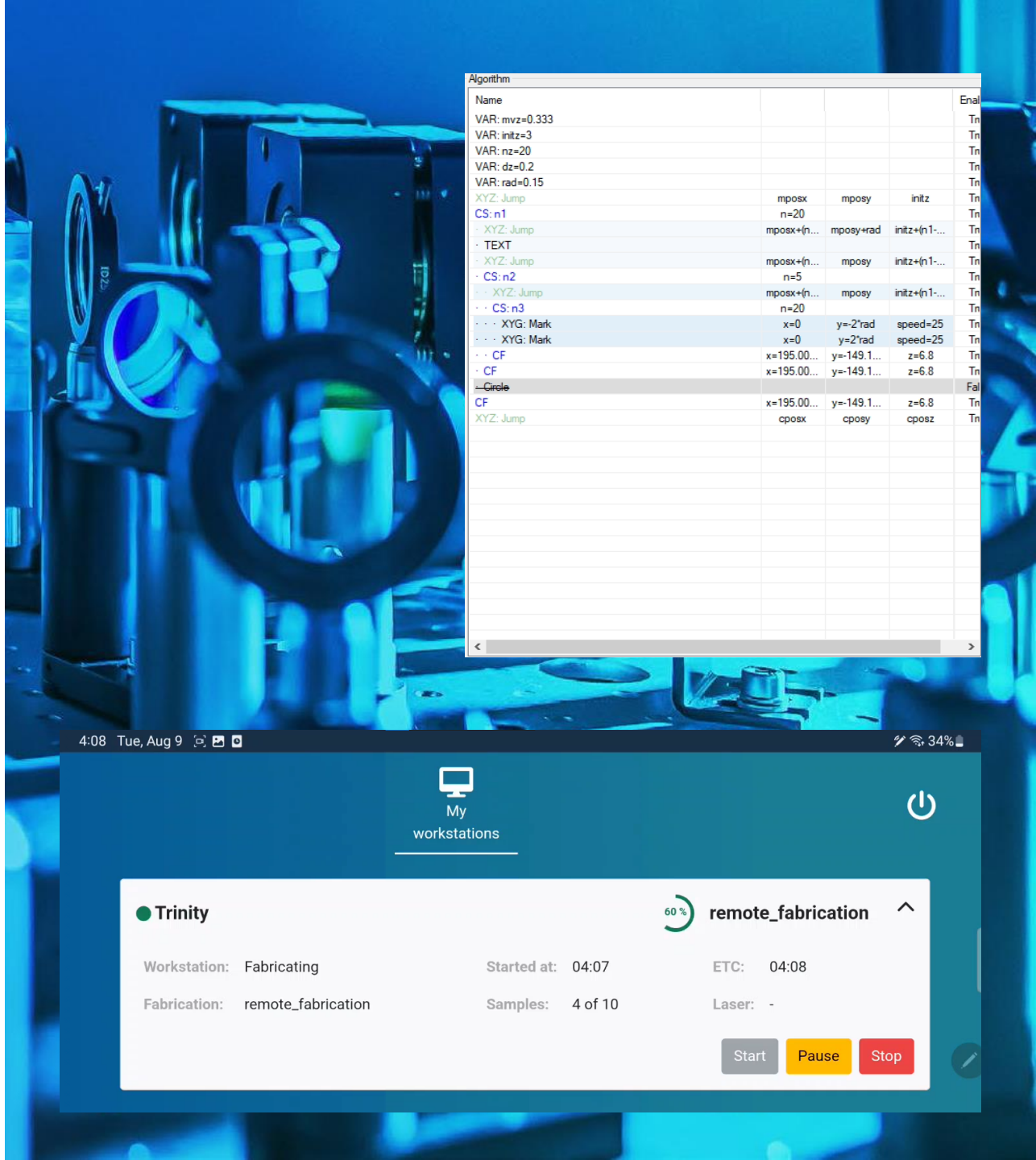
- Helps your **blueprints** to actual **fabrication results faster**
- Efficiently delivers your **Integrated-Fabrication-Environment** – all you need for research, production, and control.
- Abstracts **all your hardware** into a single, logical, and **coherent experience**:

  Positioning stage controllers ● Laser sources ● Power meters ● Galvanometric scanner controllers ● Sensors ● Cameras ● Other hardware



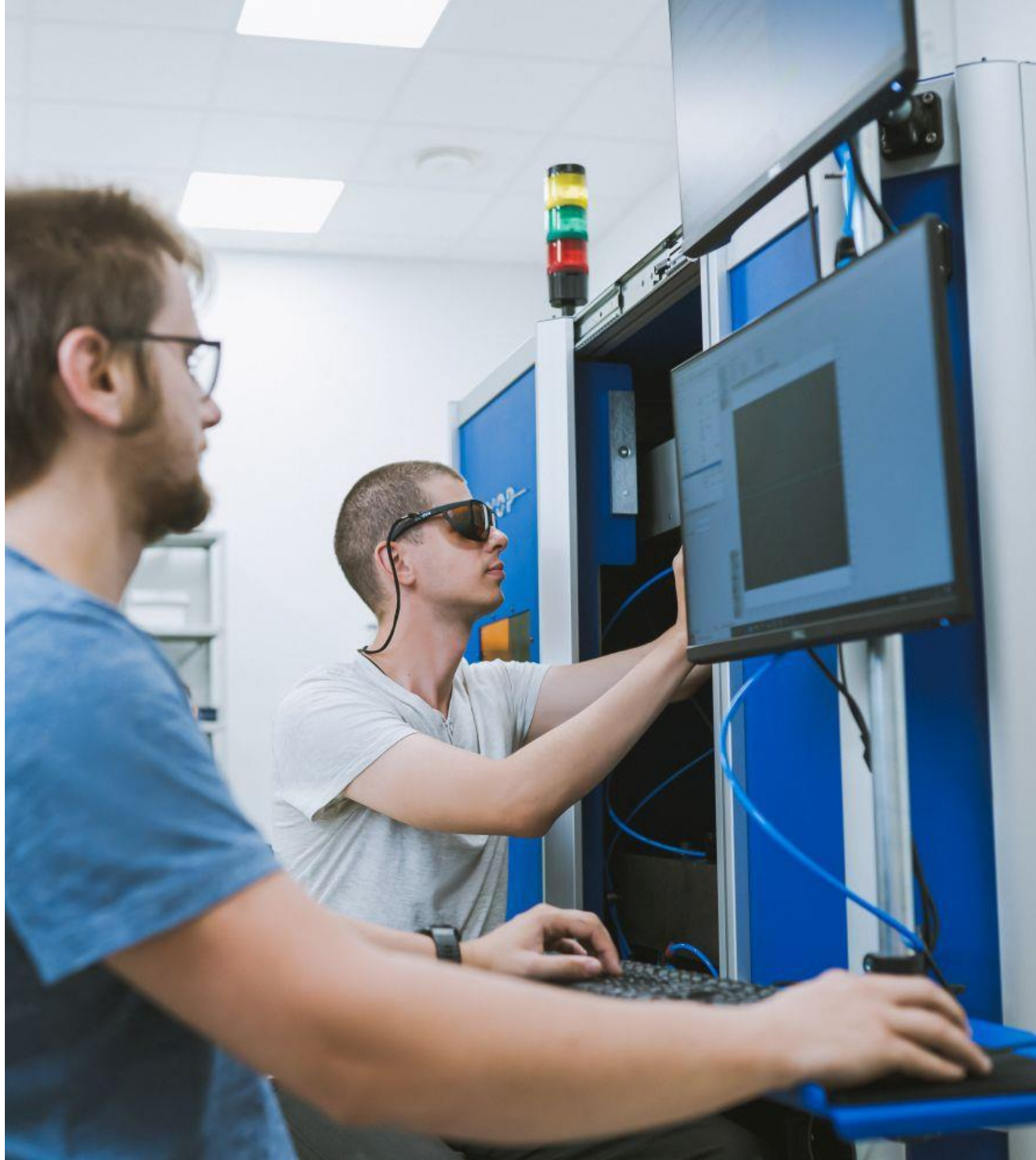
Why SCA?

- **No need for in-depth knowledge** of all possible manufacturer-specific or universal scripting languages
- **Flexible few click commands** that can be arranged into algorithms in a natural way
- Capability to remotely monitor **system and fabrication status**
- **Seamless integration** of all connected devices into a single controllable system



When SCA?

- You have a laser microfabrication machine, and you **want to simplify** its operations
- A **simple interface** to connect and control your process through SCA, from other systems with Python SDK
- You need a **unique software solution**



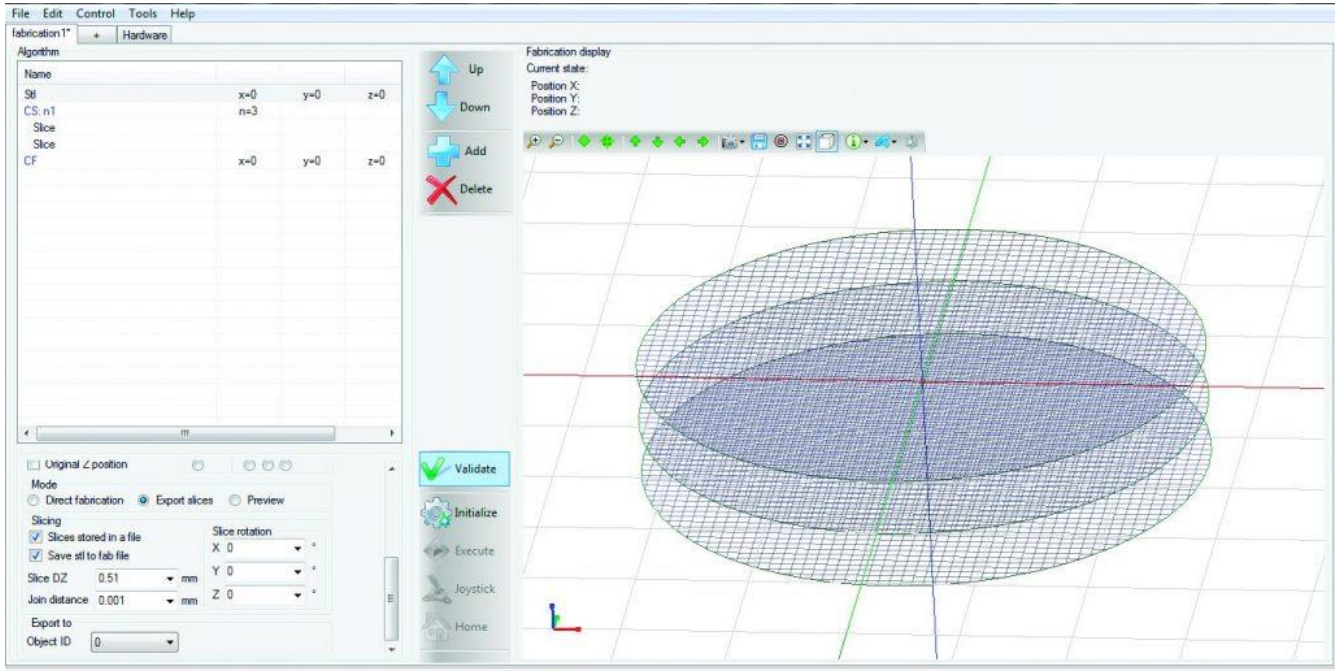
SCA support

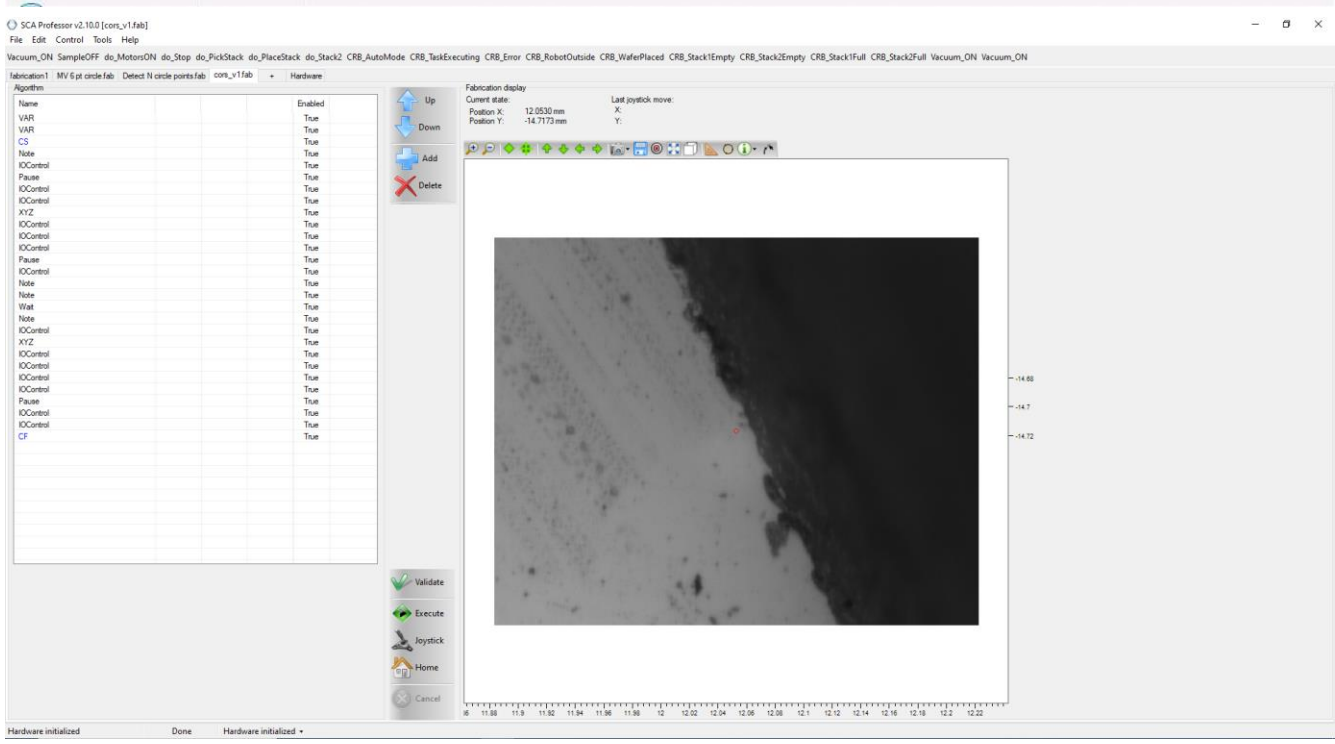
Customer support
Online or by phone

Quick turnaround
for fixing any arising issues

New features & updates
constantly working on developing new features and improving current ones

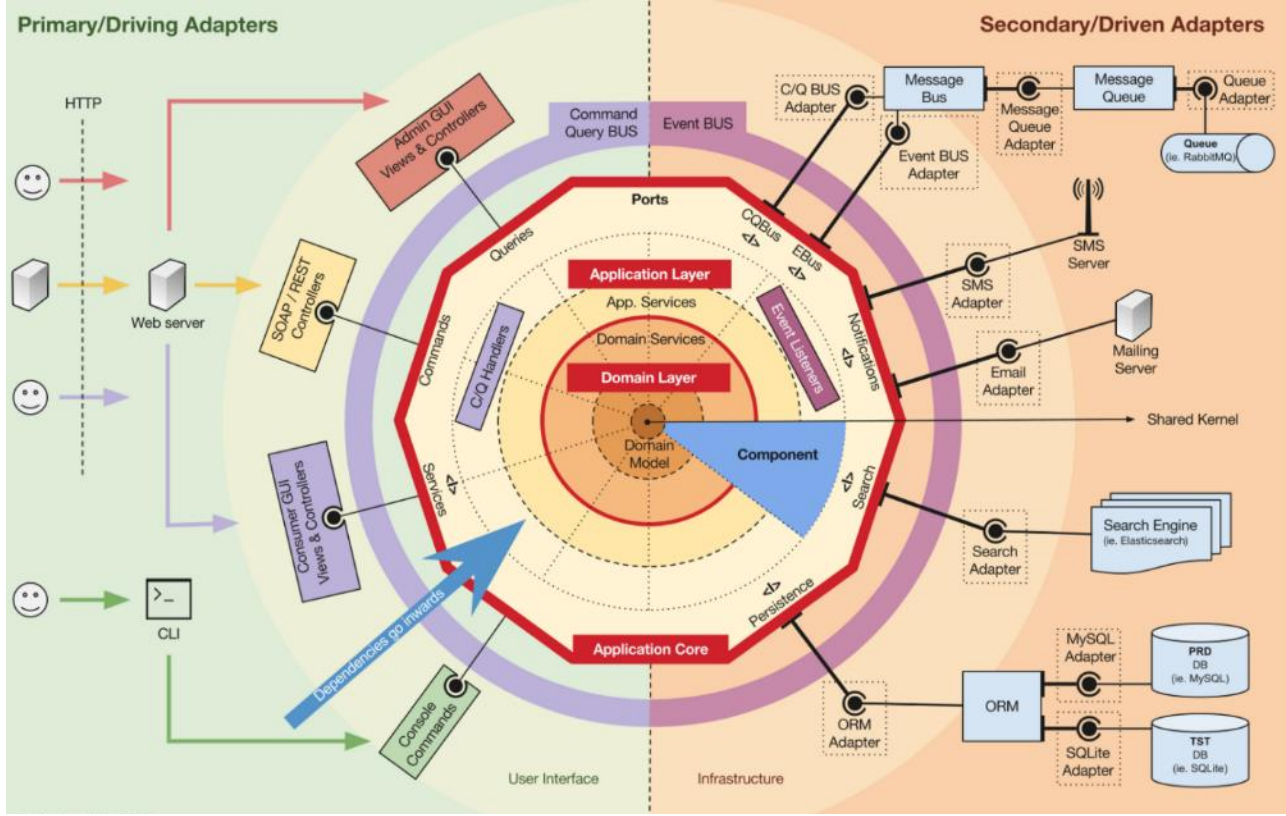
Custom solutions
able to offer solutions designed according to your needs





What's next?

- **Product architecture** changes allowing rapid new hardware integration
- **Remote diagnostics** and automated error reporting
- **Manufacturing automation** – robotics and remote control



What‘s next?

- **Multiple fabrication machine consolidation** into a monitored supervisory level network
- **New Hardware** – ACS, Scanlab, Keyence, Automation1
- **Machine learning integration** for quality control, metrology

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