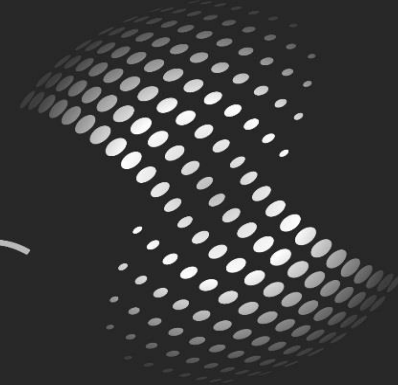
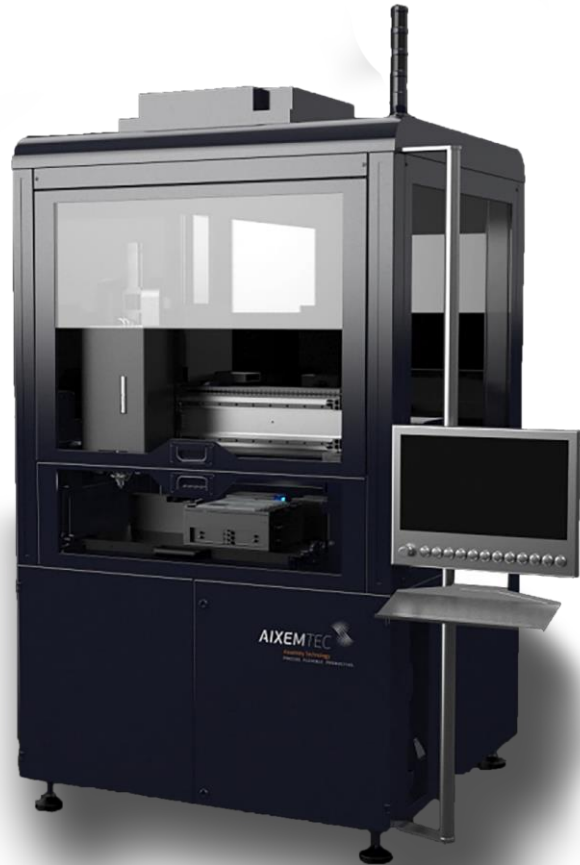


AIXEMTEC



Assembly Technology
PRECISE. FLEXIBLE. PRODUCTIVE.

Assembly Technology from Aachen - Aixemtec GmbH






Who are we?

Core Business Precision Assembly & Testing Machines and Services

Technological Excellence Flexible Precision Machine Platform

Mission Enhance and accelerate our customers' R&D and Production

USPs

-  Highly flexible Machine Platform and intelligent Software
-  Open access platform for your own enhancements
-  Combined Business Model of Machines and Services

Your Benefits Short time to market with minimal technical and financial risk!



Videolinks

Precision dispensing capability

<https://www.youtube.com/watch?v=eIrkgvP70bQ>

Flexible machine architecture

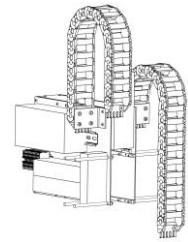
<https://www.youtube.com/watch?v=dDHBtXg-wvI>

PM-fiber array assembly demo

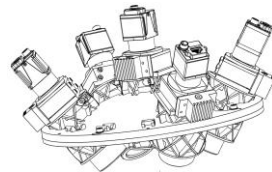
<https://www.youtube.com/watch?v=PxZwxF4f-dA>



Modular Assembly Machine Platform – the Key to Flexibility



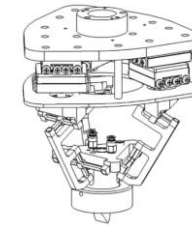
Toolhead
Basis



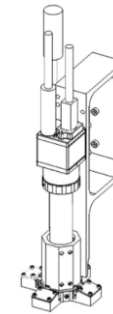
Measurement
System
Customized



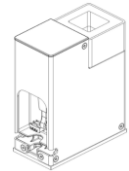
JET Dispenser
JDU



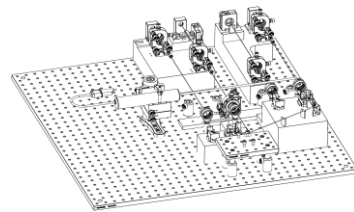
Micro
Manipulator



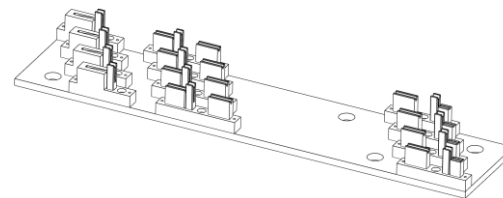
Target Cam



Bottom-Side Cam



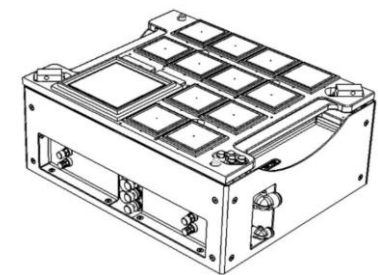
Measurement
System
Customized



Fiber Garage
Customized



Lens Tray
Customized



Tray Holder Unit



Modular Assembly Machine Platform – the Key to Flexibility



Serving R&D and Production in an efficient way

R&D

No compromises in high-end machine platform

Production

Cost effective compatible industrial machine platform



Cost efficient solutions



Individual solution architecture



High quality promise



User friendly handling

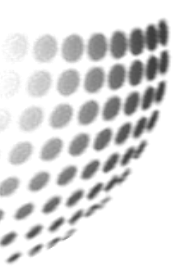


Flexibility through reconfigurability



Short development cycles & quick replication





Automated Precision Assembly Markets and Applications

Consumer electronics

- Face ID & Gesture recognition

Lasersystems

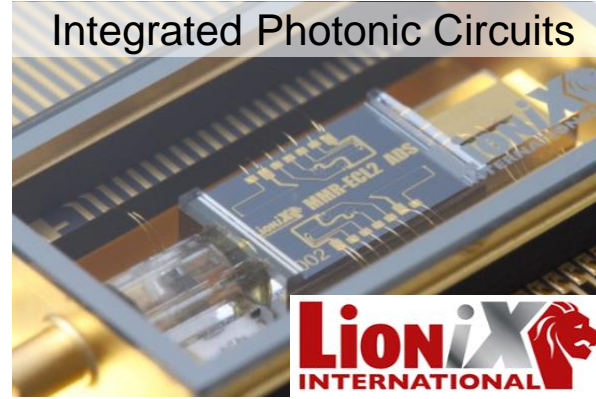
- FAC-/SAC-lens assembly
- Beamshaping Systems

Photonic Integrated Circuit

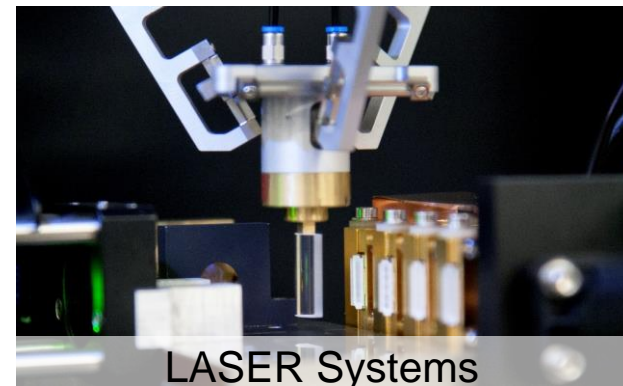
- Fiber assembly
- Chip Testing
- Chip coupling



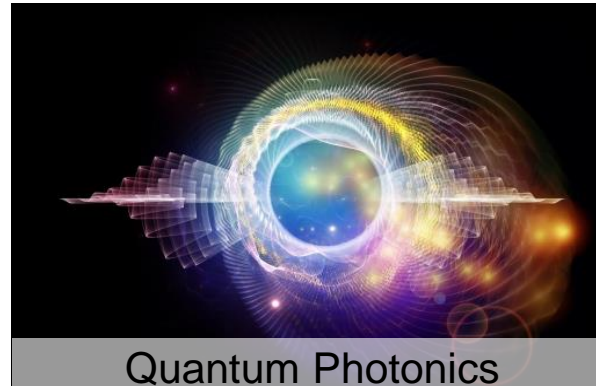
Source: IBEO



Source: Lionix



Source: SRL



Source: EPIC

Imaging systems

- Mobilephone Camera lens
- Endoscopes

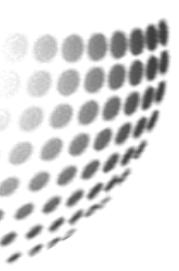
Automotive applications

- LiDAR systems
- Driving assistance cameras
- Headlight systems

Quantum Photonics

- Complex individual product



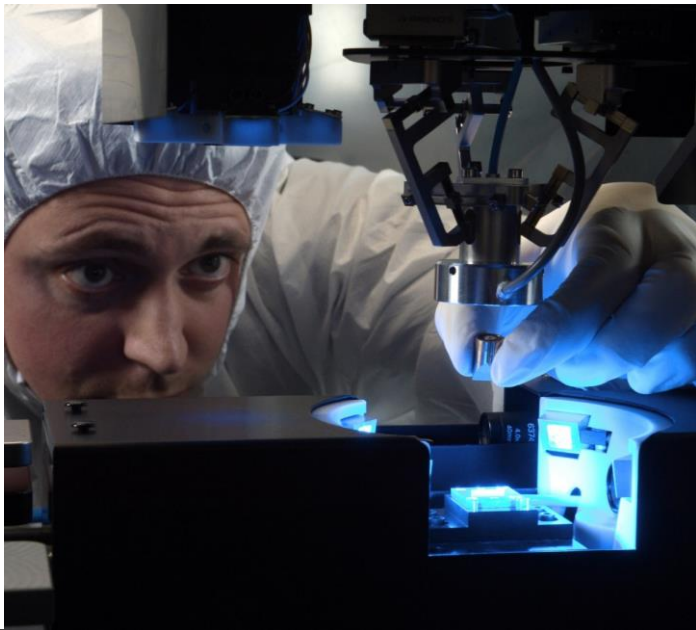


We combine Prototyping, Job-shop Assembly and Turnkey Solutions

Stage 1

Prototype

Use our Process Know-how to get first systems demonstrated



Stage 2

Market Entry

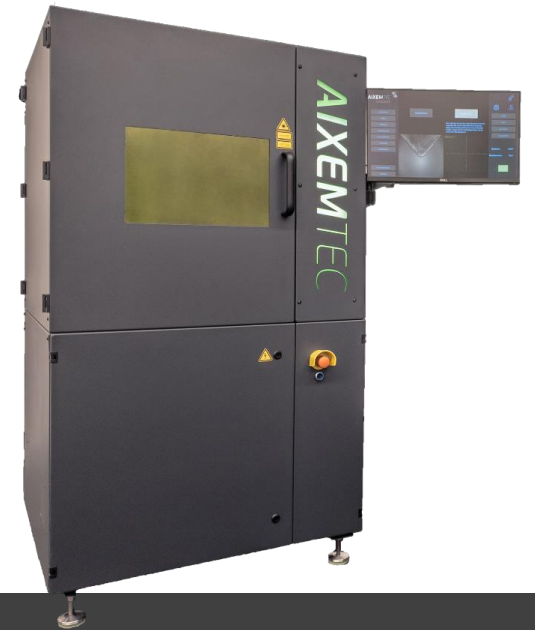
Have your first small series manufactured on our machine park



Stage 3

Scale!

Get your own machine with robust processes or use contract manufacturers



How does an R&D machine practically look like?

Changeable Toolhead

NDU - Needle-Dispenser

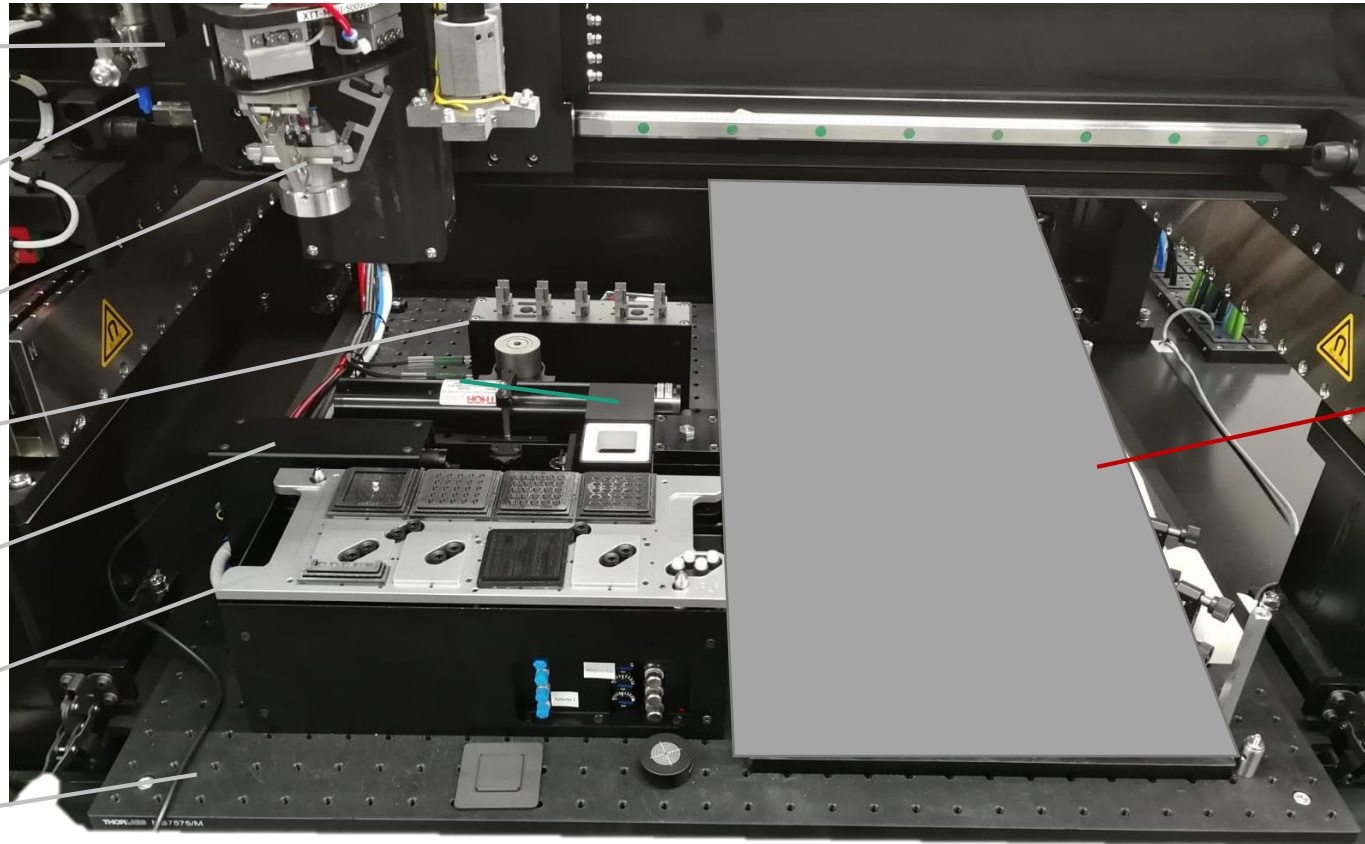
MMU – Micromanipulator

THU – Toolholder-Unit

TCU – Calibration-Station

THU – Tray-Holder

Changeable Process Plate



**Customers Setup
Changeable**



How can AIXEMTEC support you?

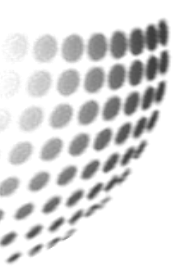
Production Assembly and test automation

- High mix of products and variants
- Turn-key solutions for high-volume and high-mix
- Optimized for performance and ease-of-use

R&D Product and process developers

- Expert mode for professional developers
- Flexible and quickly reconfigurable machine configurations
- Easily enhanceable by third party equipment





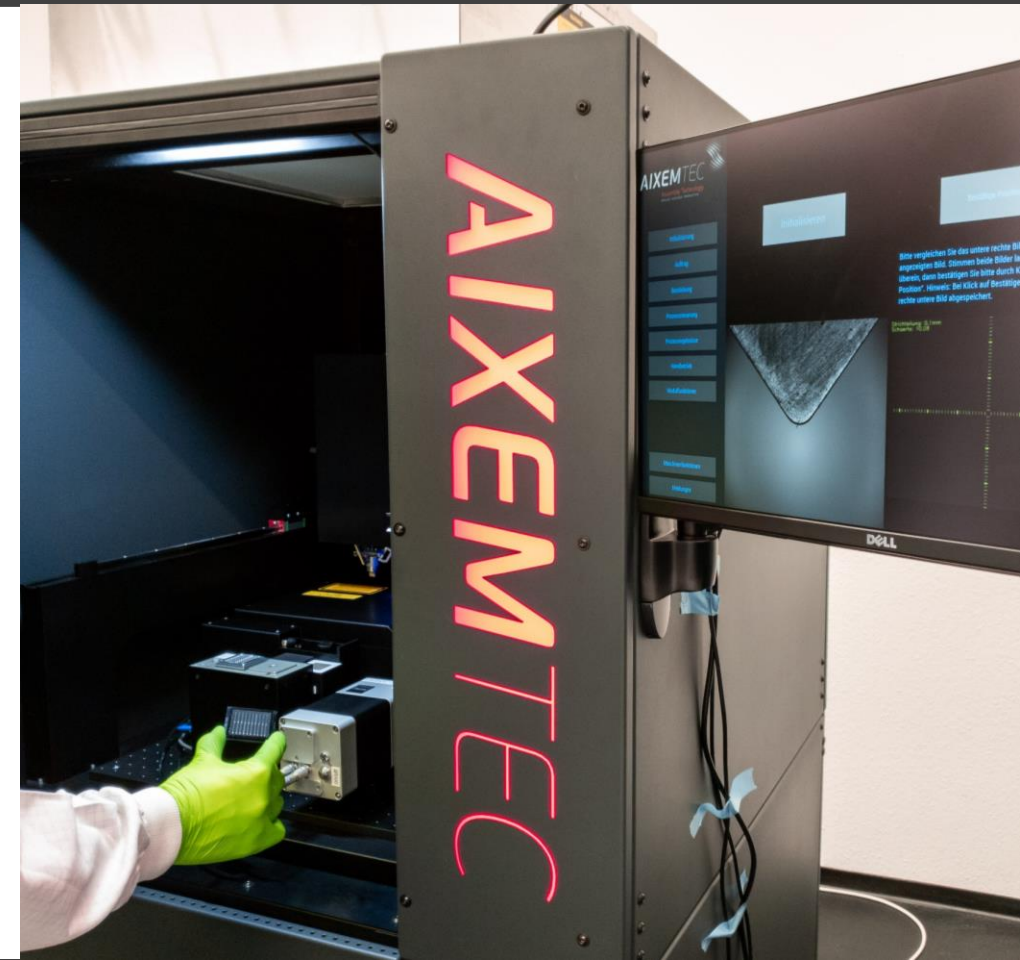
How can AIXEMTEC support you?

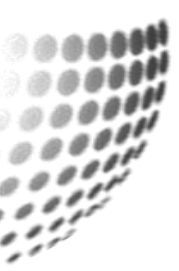
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Who are we looking for?

Producing companies looking for a strong and agile **development** and automation partner

Developing Companies needing reliable, precise and open access **tools**

R&D Departments and Institutes looking to **licence** their results

