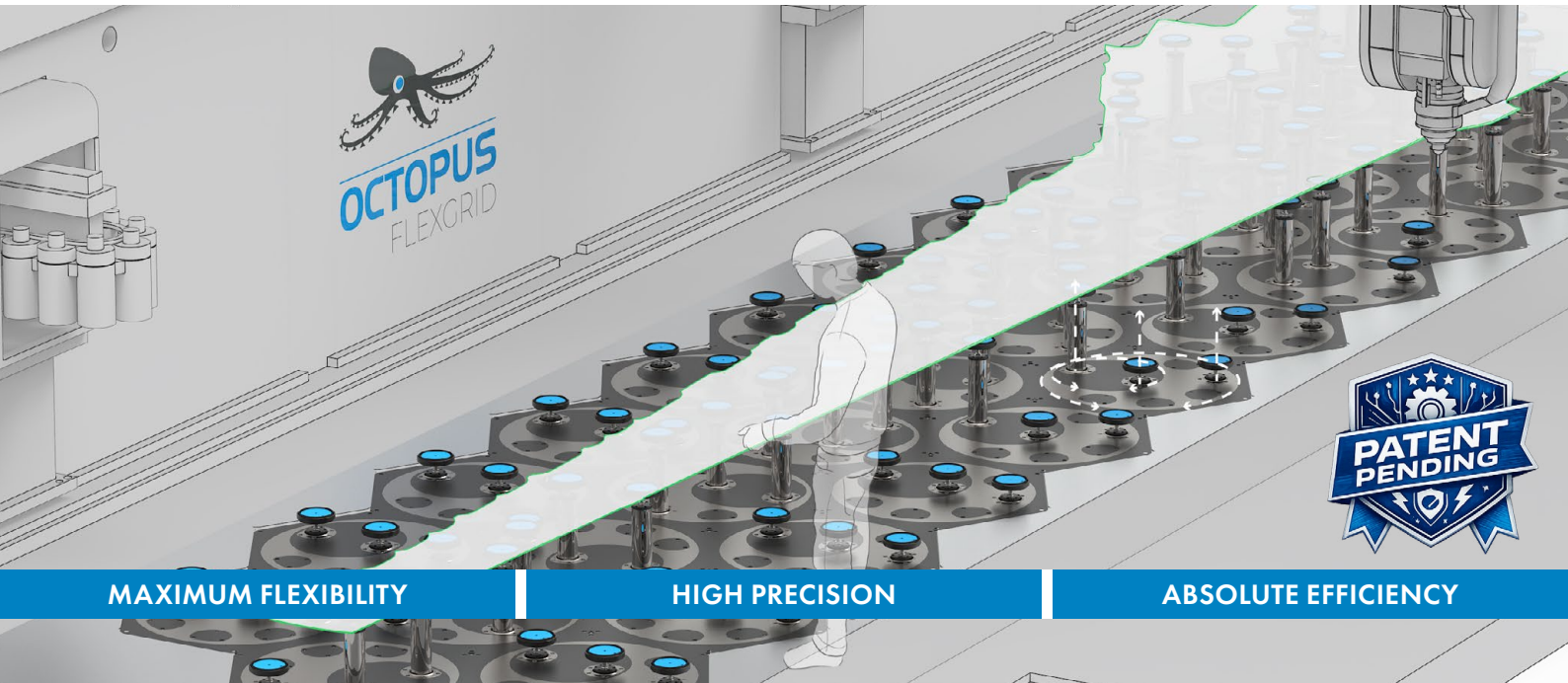


ENGINEERING COMPETENCE FROM CONCEPT TO IMPLEMENTATION



A NEW DEGREE OF FREEDOM IN UNIVERSAL HOLDING FIXTURES



MAXIMUM FLEXIBILITY

HIGH PRECISION

ABSOLUTE EFFICIENCY

OCTOPUS FLEXGRID

RETHINKING UNIVERSAL HOLDING

The **patent-pending Octopus FlexGrid** is MICADO's next-generation fixture platform for flexible, universal holding. Designed for large, complex and sensitive components, it eliminates the constraints of grid-based or geometry-dependent fixtures, reducing setup times, increasing process stability and improving overall efficiency.

Its modular, freely configurable architecture enables rapid adaptation to varying geometries without fixed references. The result: reduced setup times, higher process stability and improved efficiency in metal and composite production.

Up to 70% reduction in setup time compared to conventional fixture concepts (ROI).

Optimised for:

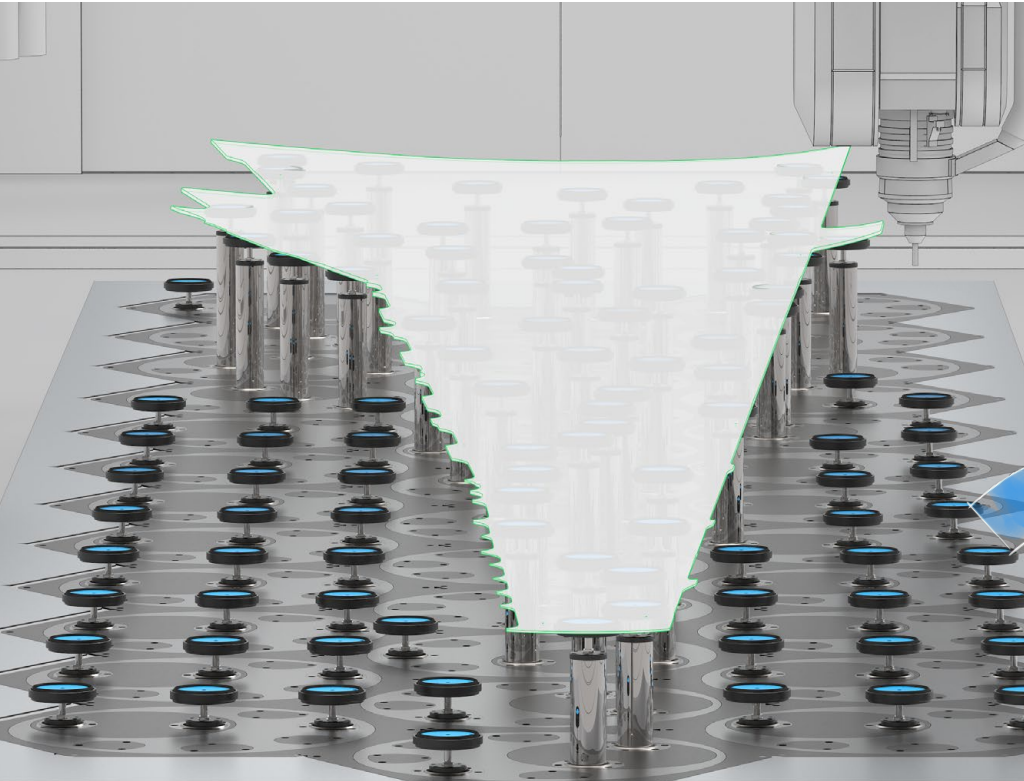
- Large-area aerospace composite structures
- Automotive and motorsport components
- Complex freeform geometries with sensitive surfaces



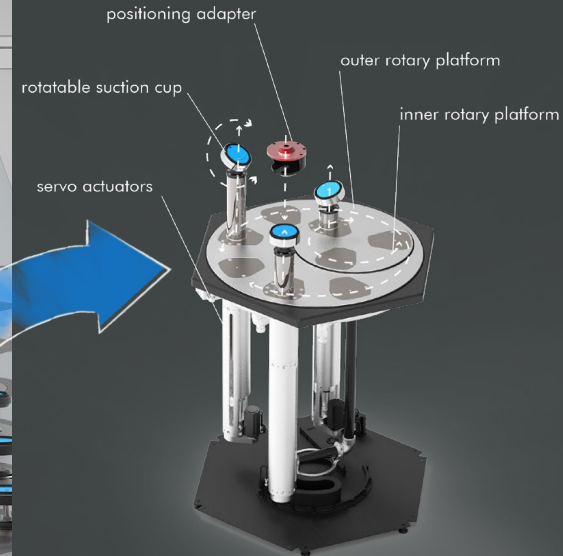
SYSTEM CONCEPT

MODULAR BY DESIGN. FLEXIBLE BY NATURE

Freely positionable modules with rotatable suction cups and controlled actuators enable precise fixturing of complex, large parts – without fixed grids or geometric constraints.



OCTOPUS FLEXGRID MODUL



TECHNOLOGY & SOFTWARE

PRECISION HARDWARE. INTELLIGENT CONTROL

The Octopus FlexGrid combines high-precision mechanics with intuitive software for fast, reproducible setup and reduced complexity.

Key technical features:

- Vertical stroke up to 2 metres
- Positioning accuracy up to ± 0.1 mm
- Holding force up to 1,000 N per suction cup
- Controlled servo actuators
 - static holding capacity up to 5,000 N
- Rotary platform for stepless alignment
- Designed to scale with evolving production needs
- Suitable for dry and wet applications – IP65



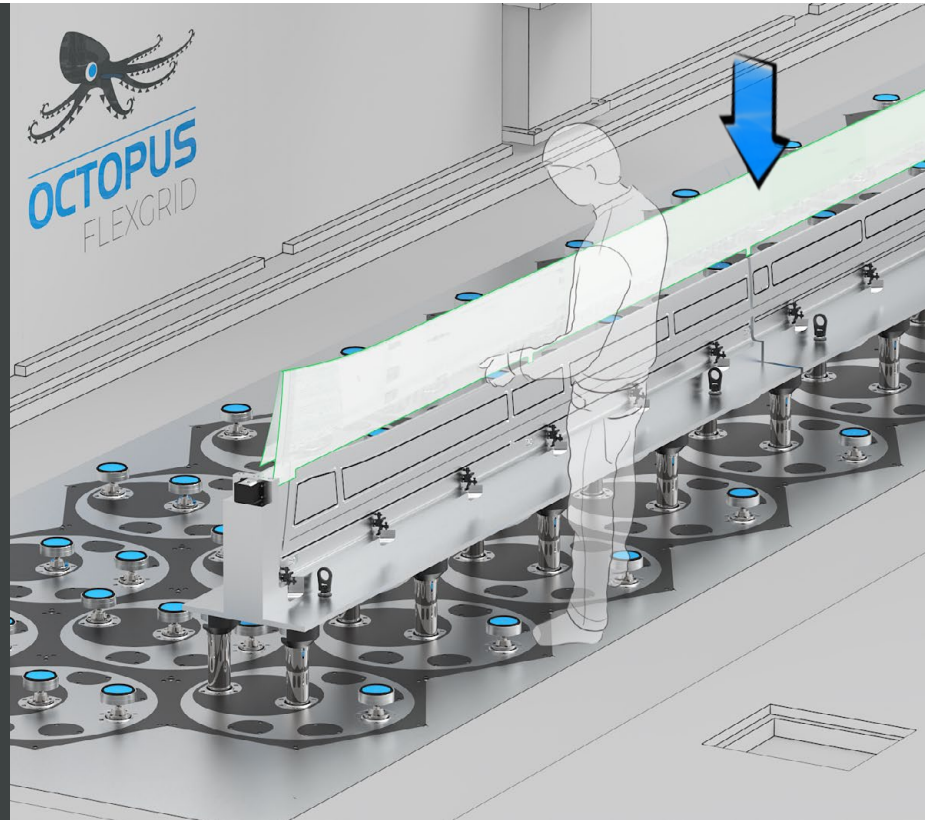
OCTOPUS FLEXGRID + HARDTOOL

MAXIMUM FLEXIBILITY – WITHOUT COMPROMISES

Octopus FlexGrid is fully compatible with conventional hard tooling, enabling manufacturers to retain established reference geometries while selectively integrating flexible positioning elements.

Key benefits:

- Maximum flexibility across applications
- Ultra-short setup and changeover times
- High precision and system robustness
- Compact, space-efficient design
- Ergonomic and user-friendly operation
- Modular plug-and-play architecture
- Low maintenance and fast spare parts
- Strong economic efficiency and ROI



REFERENCES

TRUSTED BY LEADING AEROSPACE, AUTOMOTIVE AND INDUSTRIAL OEMS

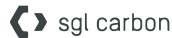
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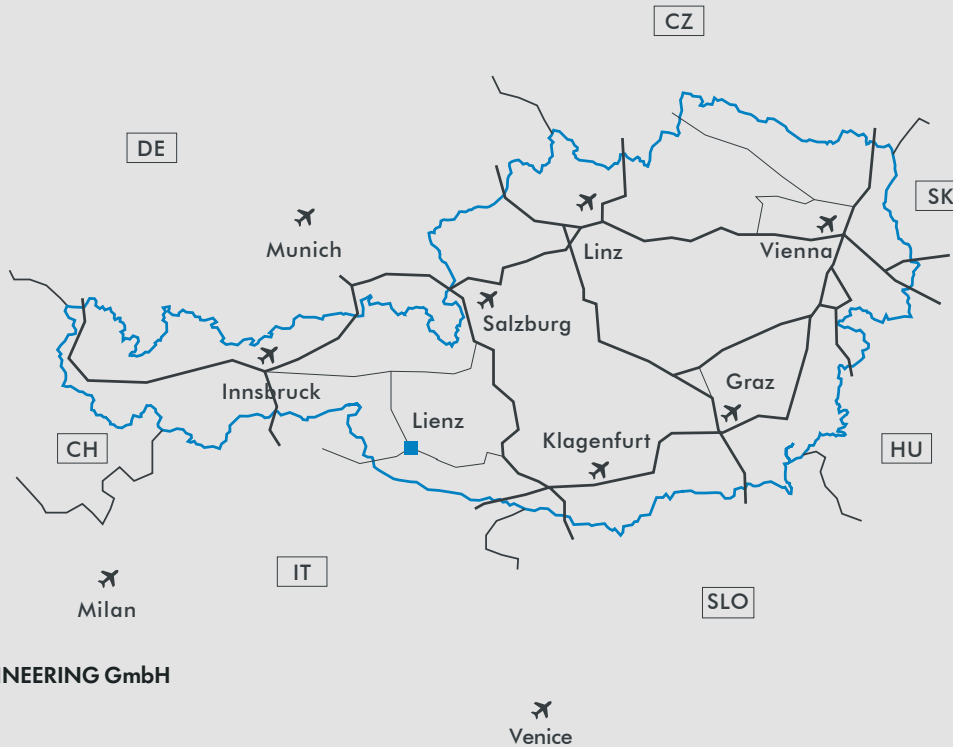


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