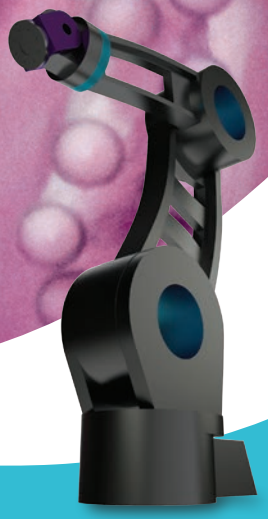
OCTOPUZ®

Flexibility. Functionality. Fluidity.

Like its namesake, Octopuz® has the reach and versatility to take interface simplicity and core power to a new level for optimal efficiency.

COMPLEX MADE SIMPLE



What is Octopuz?

An intelligent CAD-to-Path and offline robot programming solution capable of:

- Easily programming, synchronizing and simulating multiple robots with their accessories.
- Directly supporting paths from your CAM software.
- Programming and simulating complete process including machinery.
- Offline robotic cell development and machine tending.

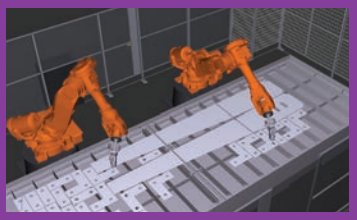
Innovate. Automate. Elevate.

Extend your reach

Ideal for any path-sensitive application. Octopuz gives you all the tools you need; avoiding singularity, reach limitations and optimized external axis management.

Edge Following

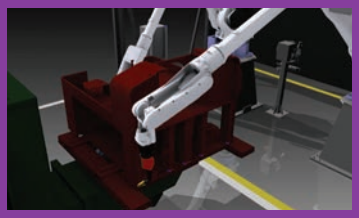
waterjet • trimming • deburring • laser cutting



- Tilt all positions forward or backward.
- Increase or decrease the number of path positions or spacing points.
- Compensate for tool width.
- Control cutting depths or stand offs for end of arm tooling.

Fabrication

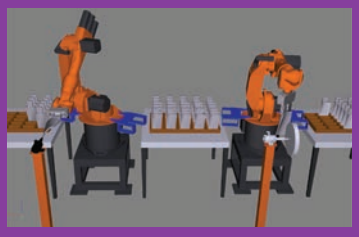
welding • plasma cutting • laser cladding • thermal spraying



- Achieve full control of push angles.
- Generate single-step welding paths.
- Tilt all or part of the path to avoid collisions or add a bevel.

Material Removal

2D machining • 3D multi-surface machining (sanding, polishing, mold machining)



- Configure multiple angle settings.
- Set constant steps across a surface.
- Create remote tool center points for carrying parts to stationary tooling.
- Utilize high-speed toolpaths to increase accuracy and speed.
- Integrate roughing and finishing operations.

Simulation

pick and place • PLC • shop floor layout • advanced spray simulation

- Replicate and test complex mechanical systems.
- Optimize part-handling operations.
- Visualize the shop floor process from start to finish.

Additive

dispensing • composite lay-up • spraying • welding

- Refine spray patterns based on distance from part.
- Control positions outside the process.
- Simulate and analyze material deposition and efficiency.

COMPLEX MADE SIMPLE

In-House Solutions

For more than 25 years, In-House Solutions has been dedicated to developing, selling, supporting and implementing CAD/CAM, robotic and simulation solutions.

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