OCTOPUZ®

Manufacturers and Fabrication Shops work in a high mix and low volume environment. They use robotics in their processes but can be faced with complex, time consuming programming. Manufacturers are looking to reduce robot downtime, make programming easier, and increase production efficiencies. Remove the traditional limitations of robot automation with OLRP.

Our Benefits

Maximize Robot ROI

Enable the robot to complete short-run production by programming complex applications quickly, increasing its return on investment.

Reduce Production Downtime

Reprogram new robot functions in hours rather than days, without ever taking the robot offline.

Validate Robotic Processes Through Simulation

Ensure the robot will perform tasks as expected through start-to-finish simulation.

Simplify Complex Programming

Avoid complexity with a focused and intuitive OLRP experience which enables non-experts to confidently program complex robot applications.

Automatically Detect and Avoid Errors

Quickly resolve potential robot errors including singularities, joint limits, reach limits, and collisions.

Program Robot Systems With Complex Configurations

Program, simulate, and create code for systems with one of more robots and external axes, all working together.

Work with Multiple Robot Brands On a Single Platform

Confidently program different robot brands in unique configurations, with an identical programming process regardless of robot brand.

Support All Robot Manufacturing Processes

Program your welding, machining, cutting, and additive applications, validate your next job with a reach study, and do everything in between.
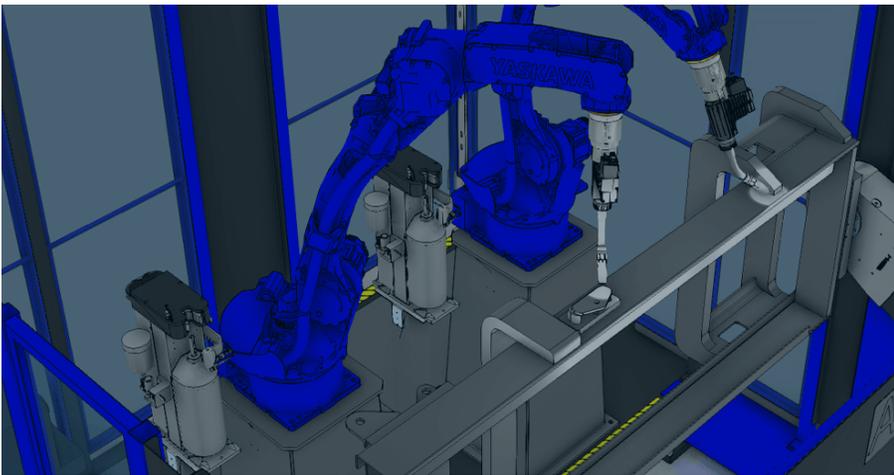
Who We Are

OCTOPUZ is intelligent Offline Robot Programming (OLRP) software that enables complex industrial robot applications to be programmed without disruption to your manufacturing process. OCTOPUZ programs multiple robot brands, configurations, and applications together in a virtual, offline environment and outputs code for use in your real-world industrial application.

Industrial Robot Brands We Work With

ABB   KUKA   FANUC   YASKAWA

And more! Reach out to see the other robot brands we work with.

Toll-Free: +1 (877) 456-4519 | Email: info@octopuz.com | www.octopuz.com

OCTOPUZ®

OCTOPUZ for Welding

○ Jump right into your next welding project from your cell template, containing all your fixed components.

○ Confirm you're production ready by simulation your project, as you watch your robots perform their programmed tasks start-to-finish.

○ Program multiple robots, simultaneously, with support for different robot brands in unique configurations. Right until code is created, all programming is identical, no matter your brand.

○ Once your project has been created and verified in the virtual world, export your ready-to-run robot code for production use.

○ Reduce the time it takes to program your complex welds with simple and effective tools, which include a variety of welding strategies.

○ Program your next job from anywhere - at home, in the office, or right at the robot with flexible user-based accounts.

○ Ensure the accuracy of your welds with corrections, by creating wire, nozzle, laser point, and laser camera search touch sensing routines.

○ Feel confident knowing our expert team of Applications Engineers are ready to assist your next project with our unmatched training and support

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"Without Offline Programming, I would say, depending on the part, you are talking anything from a full-day to two full-days, depending on complexity. With OCTOPUZ, I would say that we are down to half a day to a day for an acceptable first off, and then from there, it's fine-tuning it. I would say we have essentially cut the initial programming time in half."

Aaron DeJong,
Accumetal Manufacturing Inc.

Types of Welds We Support

Fillet Welds | Butt Welds | Groove Welds | Tack Welds

We Also Support
Weaving | Seam Tracking | Touch Sensing | Laser Touch Sensing | Laser Camera

Types of Tools We Support

Spot Guns | MIG Torches | TIG Torches | And More