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OCTOPUZ Introduces a Suite of Tools for Optimizing Robotic Toolpaths

Automatically solve your robotic toolpath with a click of a button

WATERLOO, ON, Jan 2019 – OCTOPUZ Inc. introduces the latest technologies in automatic toolpath solving. For years, OCTOPUZ has provided the robotics market with an intelligent offline programming and simulation solution ideal for a wide range of industrial robots including KUKA, FANUC, ABB, and Yaskawa Motoman.

Today, OCTOPUZ 2.1 redefines the standards in offline robotic programming by offering a simplified approach to solving toolpath trajectories. The new OCTOPUZ PathFinder suite of tools, automatically identifies AND solves limits and errors within the program.

OCTOPUZ 2.1 defies the common misconception that OLP is complicated by making complex path creation, simple. With PathFinder, users will be able to achieve a desired path based on OCTOPUZ path intelligence and/or manual user input resulting in more efficient programming.

PathFinder is comprised of seven tools, two of the key tools being: PathAnalyzer and PathSolver.

PathAnalyzer will automatically review original toolpaths while detecting and identifying collisions joint limits, reach limits and singularities. Using the generated report, users can quickly self-resolve issues or allow OCTOPUZ to automatically solve on behalf of the user. PathSolver will leverage the PathAnalyzer tool to identify limitations and systematically resolve errors and present the ideal toolpath to the user. Once the process is completed, the new toolpath can be accepted and is ready to be uploaded to the robot.

In addition to the two key tools, PathFinder also includes additional tools designed for Auto Configurations on CAM Import, Error Visualization, Targeted Error Resolution, Foundational Reference Point Assignment, and Simplified External Axis Configuration.

With the release of OCTOPUZ 2.1, PathFinder users can now easily import CAM paths, and with a simple click of a button, generate a robot path which is clear of limitations and singularities. By leaving the complicated aspect of OLP to OCTOPUZ, users can spend more time manufacturing and less time programming.

OCTOPUZ Inc., headquartered in Waterloo provides intelligent offline programming and simulation software for businesses of all sizes, from small shops to global corporations. Our focus is to provide a robotic software solution that not only enables companies to reach a higher level of efficiency with their processes but also opens opportunities for them to enter new markets and expand their business potential. Our business was built on the concept of taking complex robotic programming and making it simple.

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If you would like more information about this topic, please call +1 (519) 496 5376 or email info@octopuz.com.