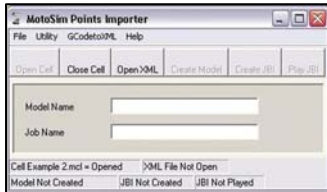


MOTOMAN NEWS RELEASE

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NEW! MOTOMAN'S G-CODE CONVERTER SOFTWARE USES CNC PROGRAMS TO AUTOMATICALLY GENERATE ROBOT PROGRAMS



Dayton, Ohio — Motoman's new G-Code Converter is PC-based application software that uses standard G-Code programs used by CNC machine tools, including I/O and other non-motion commands, to generate production robot programs. As a result, customers can minimize time required to program robot systems to perform many of the diverse applications that are typically performed by CNC machines.

The G-Code Converter allows customers to optimize their use of capital by utilizing standard, six-axis devices to perform lower tolerance applications involving cutting, deburring, trimming, engraving, drilling and tapping, mold creation, and surface finishing. Customers can use the G-Code Converter to minimize cost and effort required to generate robot programs, and to leverage time and effort they have already spent generating machine tool programs. Using the G-Code converter, customers have flexibility and scalability to perform matching tasks, as well as part insertion and assembly operations, in the same system.

The G-Code Converter is ideally suited for customers who are working with standard CAD/CAM packages that use highly developed, process-specific application tools to create complex cutting and material removal paths. These application tools apply process-specific expertise related to cutting speeds, rotation speeds and cutting angles to generate optimized cutting paths in basic machine tool language, commonly known as G-Codes.

The G-Code Converter allows the user to leverage this process-specific knowledge captured in proven, mature and affordable CAD/CAM software packages. It is a productivity enhancement tool for users who have a mix of CNC machines and robots in their shop, as well as individuals who have experience with G-Code programming. A G-Code program with as many as 30,000 points can be used to generate a robot program in as little as 10 minutes, depending on the speed of the user's PC. The G-Code Converter automatically translates large processes into multiple subroutines that a robot can perform and allows mapping of custom machine functions to standard robot functions.

The G-Code Converter is extremely flexible and can be configured to interpret a wide range of individual G-Code file formats, including SURFCAM[®], GibbsCAM[®] or other proprietary file formats. I/O and other commands, contained in standard M and G Codes, can also be adjusted for CNC to robot variations. Mapping of customer machine functions is performed using an XML configuration file. The G-Code Converter allows the user to set default robot configurations, speeds, motion types and reference frames in the configuration file as well.

The G-Code Converter is an add-on module available for the MotoSim[®] Points Importer. The G-Code Converter application software can be used together with any of the MotoSim EG software package (MotoSim EG, MotoSim EG Lite and MotoSim EG Viewer). The package includes two different example simulation cells and G-Code file formats.

For more information on Motoman products and services, visit the corporate website at www.motoman.com, call 937.847.6200, register at the site to subscribe to MotomanDirect, a bi-monthly e-newsletter, or write to Motoman Inc., 805 Liberty Lane, West Carrollton, Ohio, USA 45449.

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