FANUC High-Speed Laser Controls Offer Streamlined Efficiency

WDD Staff

FANUC America [1] (Hoffman Estates, IL) has introduced the CNC Series 30i/31i-L MODEL B high-speed laser controls, which offer fabricators streamlined efficiency and increased productivity using Ethernet and Ethernet/IP field bus options and newly supported FANUC NCGuide simulation software.

Integration of the FANUC Series 30i/31i-L MODEL B CNC and robots to cell controllers, using Ethernet and Ethernet/IP field bus options, makes it easy for fabricators to manage operations across equipment controlled by various systems. This solution directly addresses today's fabricator challenges of increasing complexity of machine systems, new safety and security requirements, and the growing importance of information technologies.

As a result of the release of Ethernet/IP field bus connectivity for FANUC Series 3xi-B CNCs, FANUC has furthered commitment to open interconnectivity of its CNCs in fabricating. Utilizing new standardized field bus architectures (Ethernet and Ethernet/IP) will streamline system integration and data sharing. This provides fabricators cost efficiencies, reduced setup, better part quality, safer work environments, usable manufacturing intelligence, and overall increased productivity.

The Series 30i/31i-L MODEL B CNC features:

- Embedded Ethernet interface, allowing the user to integrate the CNC system into a company network for data collection or for high-speed part program transfers.
- Ability to set up worldwide links for seamless and efficient remote diagnosis, maintenance, and online training.
- Non-public operating system; practically "hacker-free" and immune to viruses.

Contributing to additional productivity gains, FANUC's NCGuide simulation software now supports Series 30i/31i-L MODEL B CNC. NCGuide provides a realistic operation and part programming environment at a fraction of the cost of using a production machine tool. The team of designers, operators, and maintenance personnel can work efficiently to develop and perfect their understanding, while production on the shop floor is not interrupted. This translates into increased performance and productivity.

Accessing CNC functions on a PC is an ideal testing or learning environment with lower development and training costs than on a machine. NCGuide provides a safe environment to optimize programs on the PC and keeps the machine in the shop in production. OEMs can move fluidly between development and design. Ladder development and troubleshooting can be done as they test cycles via NCGuide. In addition, once a system is on location, end-users can build confidence and shorten learning curves for newer team members as the tools emulate the CNC exactly. Conventional G-code programming, including canned cycles, custom macros, and FANUC's conversational programming MANUAL GUIDE are supported.

For more information please visit www.fanucamerica.com [1]

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