



# FANUC CNCs for Woodworking

High-speed cutting and extreme reliability



FANUC America Corporation  
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# World-class products and support

With more than 2.4 million CNCs installed, FANUC is the most successful CNC manufacturer worldwide. FANUC dedicates more than 30% of its employees to R&D to provide you the most reliable, efficient and innovative CNC systems available - ensuring that you experience the very lowest Total Cost of Ownership. By selecting a woodworking machine with a FANUC CNC, your machine will be available for production more often, process more parts and use less energy. When you need us you will find the world-class technical support, part availability, on-site service, and training that you expect from the industry's leader.

## Unmatched reliability

Downtime on your CNC woodworking machine is very expensive, especially when you add up the cost to repair, the lost production capacity, and the revenue and goodwill lost if you miss customers deliveries. FANUC's continuous improvement culture ensures that their CNCs are the most reliable available. Statistically, a hardware fault occurs only once for every 32 years of productive service with the Series 0i-D control.

With a 25-year replacement part availability and support commitment,\* local parts inventories and economic repair and return services, you can look forward to decades of trouble-free operation with the confidence that your machines will be available for production.

\*When a FANUC CNC system is out of production, we strive to have replacement parts for 25 years. Replacement parts are available for purchase or through extended service contracts. If and when parts are no longer available due to discontinued component manufacturing, we offer repair and reuse. We strive to engineer replacement parts with the same functionality, form and fit. We offer on-site FANUC factory-trained service and support on FANUC CNCs for the lifetime of your machine.

## Maintenance friendly

Maintenance components such as back-up batteries and fans are modularized for quick and easy replacement without the need for tools. Comprehensive diagnostic and maintenance tools, including periodic maintenance tracking, operation and message histories, servo wave form display, machine interface ladder display and the signal trace function, are built into the CNC to keep your machine running and making parts.

A snapshot of any CNC screen can be captured to a memory card to be used in troubleshooting. Experts are always available to provide you free over-the-phone technical support and local on-site service whenever you need it.

We're here  
when you  
need us





Faster cutting,  
same accuracy

### **High-speed cutting**

Advanced, high-speed machining functions reduce part cycle times while maintaining part accuracy, and extending machine life. Bell shaped acc/dec minimizes machine shock and reduces the time it takes to accelerate and decelerate the machines axes. AI Contour Control looks ahead in the part program to eliminate the acc/dec and servo delays that limit feedrates when cutting short line segments or contours.

### **Efficient drive systems**

High-efficiency drive systems pump energy back into the power line when the machine is decelerating, and when combined with cycle time reductions, they reduce electrical power consumption by up to 50% or more, a significant factor in machine operating costs.

### **Large part program capacity**

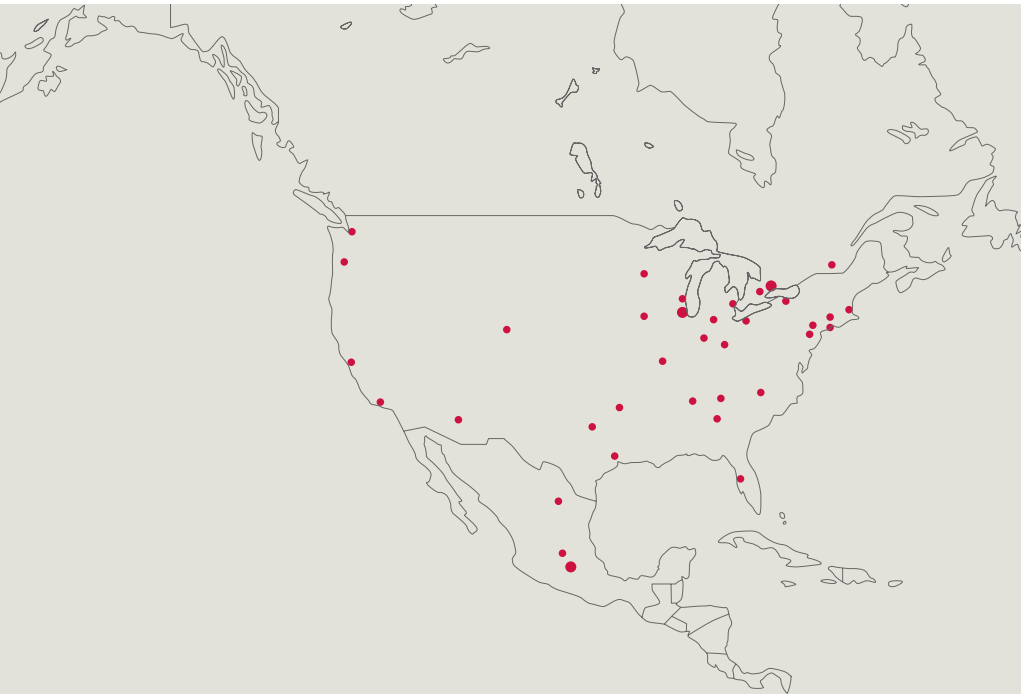
High-capacity, nonvolatile internal memory is available to store large and nested part programs. Slots are provided for ATA or Compact Flash memory cards that add an additional 2GB of part program storage. A Fast Data Server can also be installed in the CNC, providing up to 4GB of flash memory and practically unlimited network storage using buffer mode and the 100-MBit Ethernet connection. External ATGA and flash memory storage can be edited and executed just like internal part program memory.

### **High speed Ethernet**

The Ethernet interface allows the CNC to be integrated into a company network for high-speed part program transfers and process related data collection. World-wide links can be set up via the Internet making remote diagnosis and maintenance, and online training, possible. Because the Ethernet port does not use a public operating system, it is practically "hacker-free" and virus immune.

### **PC integration**

FANUC's Open CNC enables the use of third-party applications and the development of custom user interfaces to meet special customer requirements. The CNC and PC functions are kept separate for maximum performance and reliability. The FOCAS2 protocol and high-speed fiber optic connectivity provides high-speed reliable exchange of data between the CNC and the PC.



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