



# CENTROID™

# M-39 CNC Control for Specialty Applications

## Pre-packaged CNC controls for Retrofits and Specialty Machines



MADE IN USA



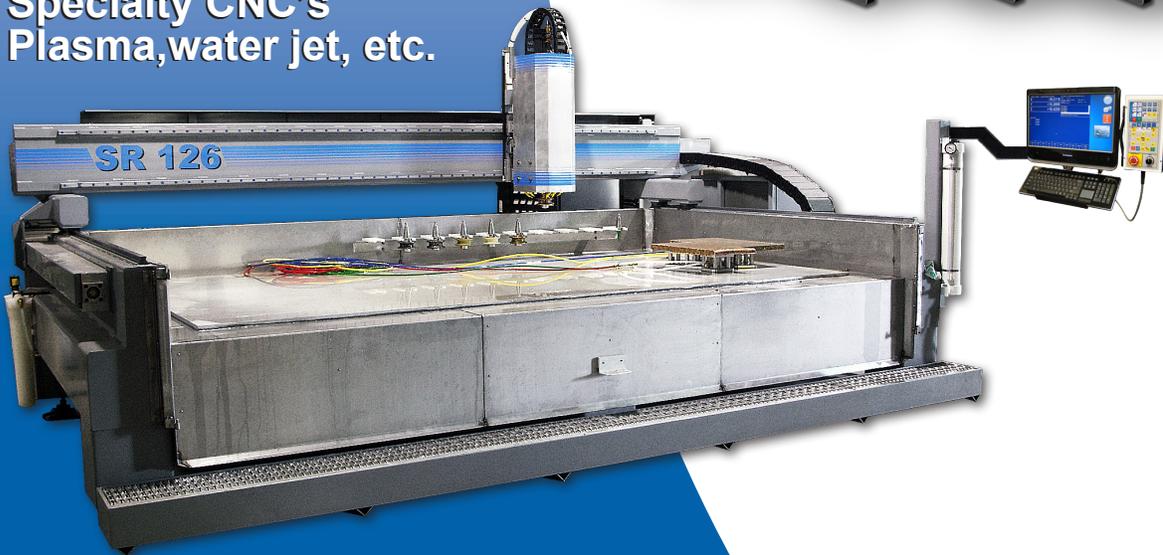
# CNC Routers



# Precision Engraving



# Specialty CNC's Plasma, water jet, etc.



- Win 10 OS
- Updatable CNC software
- Remote access, Internet ready

- Industry standard G&M codes
- CAD/CAM compatible
- Conversational programming

- Operator control pendant\* w/ customizable function keys
- Dedicated buttons for easy operation
- Magnetic base pendant or flush mount

- CNC PC "in-cabinet" or external All-in-one PC, or your PC
- PC to CNC Ethernet communication

- Installer friendly, Installation ready.
- Pre-wired CNC electrical cabinet
- Tested and ready to run
- Single or three phase operation
- Built for your specific machine
- Accessories and I/O cables installed
- All contactors, relays, fuses installed
- PLC program, spindle control installed.

- AC or DC servo motors, up to 8 axes\* w/ pre-wired motor cables
- Servo motors available from .27hp to 20hp (.1875 kw to 15kw) for machine tools large and small.



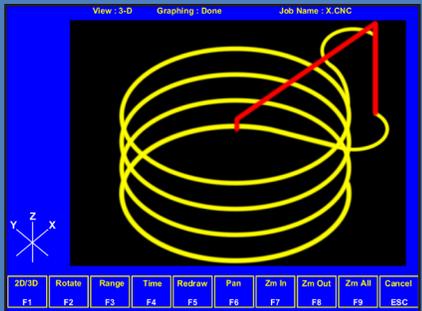
**Probing & 3D Digitizing\***



**Automatic tool setter\***



**High speed machining**



**Threadmilling**

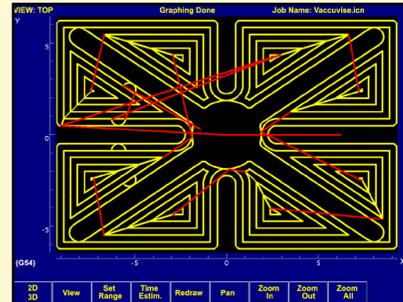
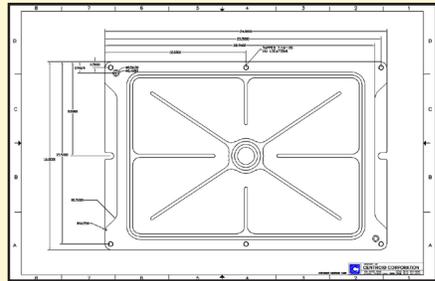


**Easy file transfer with USB & LAN**



**Conversational Programming, G&M Codes standard & CAD/CAM ready G-code backplot, Graphical part and tool setup.**

**From print to part...**  
Built-in conversational programming (Intercon) for quick part creation without a CAD/CAM system or G&M-code knowledge.



# M-39 Options

- Operators control pendant
- Precision rotary tables
- 2D & 3D digitizing software
- Probing cycles
- DP-4, DP-7 digitizing probe
- TT-1, TT-2 automatic tool setter
- ATC control
- Extended Work Coordinate Systems
- Rigid Tapping
- Scaling & Mirroring
- Unlimited part program size
- Coordinate System Rotation
- MPG handwheel
- Electrical cabinet mounting stand

## Smooth Engraving

- Use any of the popular CAD/CAM systems like Fusion 360 or V-Carve Pro to Engrave letters, numbers, symbols & logos.
- G code "smoothing" is a standard feature which smooths short vector g code for clean engraving.
- Unlimited file size allows large g-code programs to run directly from the large built-in M39 hard drive without drip feeding or breaking up programs.



## Smart automatic tool changer control\*

- Controls carousel, swing-arm or rack mount tool changers
- Control up to 200 tools
- Menu-driven tool changing w/o using G-code

## Designed to last, with over 40 years of experience

- CENTROID designs and manufactures its own state-of-the-art CNC control components
- Reliable made-in-USA, CNC CPU, PLC's, and Servo drives
- Industry's most affordable replacement CNC parts and support long after the sale, supporting every CENTROID CNC control every made
- Low CENTROID CNC control operating costs increase your bottom line
- CENTROID produces both CNC hardware and software which seamlessly work together
- Available on-site CNC Retrofit, Installation, Training and Service
- Internet enabled for factory remote support, remote diagnostics, w/ video chat and instant messaging
- Windows 10 OS, w/ updateable CNC software.
- CENTROID is a U.S.-owned and operated company with thousands of CNC controls in operation worldwide
- US Patent 6,490,500

## Ready to run CNC control systems

- Not just a box of parts, M39 CNC systems are built specifically for your application and are factory assembled and tested
- Servo drives, motors & cables, pre-programmed PLC's, accessory cables, power supplies, contactors are all prewired ready to run
- Quick installation time minimizes down time and complications



**Distributor:**



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Sales: (814) 353.9256 • Fax: (814) 353.9265  
[www.centroidcnc.com](http://www.centroidcnc.com)

Applies to "D" version Export models:  
- "Numerical control" units have four axis simultaneous contouring

\*optional

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