

# Factory Prewire CNC Control utilizing the "All-in-1-DC" control board

Starting at **\$5454** CENTROID Mill or Lathe Pro CNC12 software included

159 Gates Road, Howard, PA 16841 USA  
(814) 353-9290  
www.centroidcnc.com

## CNC PC choices:

Your Windows 10/11 PC

\*must meet minimum performance requirements, you install software.



OR:



Centroid Touchscreen All-in-One PC #12786

OR:



Centroid NUC CNC PC #14366

& your Touch Screen LCD display



OR:

Touch Screen CENTROID CNC Console



Two console variations to choose from

- CNC console w/ built-in CNCPC #13181
  - Panel Mount w/ CNCPC #13934
- See console brochure for list of options and accessories @ [www.centroidcnc.com/downloads.htm](http://www.centroidcnc.com/downloads.htm)

## Factory installed Options

- "M" Function factory install  
Includes spindle reversing contactors, mist, lube and limit switch cabling **\$850** (#11042)
- "S" Function Cabling  
Includes inverter wiring, mist, lube, and limit switch cabling **\$450** (#11087)
- Flood Contactor and Cabling **\$178** (#10460)
- High Power Upgrade  
Wired for 220 or 440 VAC input **\$925** (#10264)

Note: All-in-One DC systems come standard with enough pre-configured I/O for typical milling machine/lathe applications, optional expansion boards are available for complex retrofits requiring additional I/O above and beyond the included I/O.

### Optional I/O Expansion Boards

Add up to 4 in any combination for up to 272 In /272 Out



16 Inputs (5, 12, 24 VDC)  
16 Relay Outputs  
**\$455** (#11025)



4 Digital to Analog Outputs  
4 Analog to Digital Inputs  
**\$600** (#11141)



64 Inputs 5V non isolated  
64 Outputs Open Collector  
**\$1390** (#11212)

Optional DC1 Single Axis DC Servo Drive  
Add a 4th, 5th or 6th axis!  
For up to 6 axes total  
**\$640** #11112



Allin1DC CNC System  
**\$5454** (#15031)

Ethernet Cable to PC



Optional Operator's Control Panel #11077



Optional Auto Tool Set  
TT-4 #15134  
or  
TT-1 #10220



Optional Touch Probe KP-3 #14944



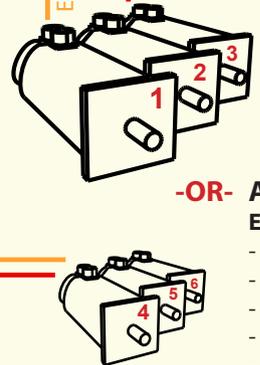
Optional Manual Pulse Generator (MPG) #11069



Optional Wireless MPG Control Pendant #8928

Encoder Cables

Motor Power



### Use your DC Servo Motors

Up to 40 in lb (4.52 Nm)

DC 2000 line encoders w/ 6mm shaft: **\$240** each (#3403)

(other sizes also available: 1/4", 3/8", 1/2")

DC 10,000 Line 6mm shaft **\$285**

### -OR- Add CENTROID motors

Encoders & Cables are pre-installed, motors are ready to bolt up:

- 16 in-lb (1.92 Nm) w/ 16ft (4.8m) cable: **\$1275** each (#10667)\*\*

- 29 in-lb (3.28 Nm) w/ 16ft (4.8m) cable: **\$1350** each (#10816)\*\*

- 40 in-lb (4.52 Nm) w/ 16ft (4.8m) cable: **\$1595** each (#10935)\*\*

- Motor Cable (custom lengths over 16ft (4.8m)): **+\$7/ft**

- 10 in-lb and 40 in-lb w/brake also available, call for \$

Effective 6-28-22

**Centroid "Stock Systems" utilizing the "All-in-1-DC" cnc control board  
In-Stock, Ready-To-Run CNC Control Systems for immediate shipment at a great price.**

When you need a CNC control fast, this is the way to go.

Stock systems are complete ready-to-run CNC controls with servo motor, and accessory cables prewired ready for installation on the machine tool.

Note: Centroid will not modify a stock system in any way. It is boxed up on the shelf ready for shipment. No changes, however you are welcome to modify the stock system to suit your particular needs if necessary.

**M400S M-Function "Stock System" ready to ship. part #StockM \$13,709**

Includes these pre-wired ready to run features:

- M400 cnc console with 4' conduit.
- Qty (3) 29 in-lb DC servos, prewired ready to run with 14' direct wire cables
- **Spindle Fwd/Rev Contactors** prewired with 15' hookup cable (220 vac)
- Flood Pump Contactor prewired with 12' cable
- Mister Solenoid control realy with 12' cable
- Lube pump control with 12' cable
- Hi-Lo Spindle Range input with 12' cable
- X,Y, Z Limit switch cables, single 12' cable for two switches per axis
- Console arm (2.5') with brackets for both console and machine ends
- Dual voltage input. 110 vac single phase and 220 vac 3 phase for spindle and flood
- CNC12 Mill Pro Software License

**M400S S-Function "Stock System" ready to ship. part #StockS \$13,279**

Includes these pre-wired ready to run features:

- M400 cnc console with 4' conduit.
- Qty (3) 29 in-lb DC servos, prewired ready to run with 14' direct wire cables
- Spindle Power and Fan 15' hook up cables
- Power and Control Cables to **Spindle Inverter**, 10'
- Flood Pump Contactor prewired with 12' hookup cable
- Mister Solenoid control relay with 12' cable
- Lube pump control with 12' cable
- Hi-Lo Spindle Range input with 12' cable
- X,Y, Z Limit switch cables, single 12' cable for two switches per axis
- Console arm (2.5') with brackets for both console and machine ends
- Dual voltage input. 110 vac single phase and 220 vac 3 phase for spindle and flood
- CNC12 Mill Pro Software License

**Examples of common custom control orders for Factory Prewire CNC Controls utilizing the "All-in-1-DC" control board**

Sample M400S Custom Console System		
11041	All-In-1-DC CNC control system: Pre wired Electrical enclosure ready to install with hook up cables for machine accessories and Mill Pro software.	\$5454
13181	CNC Console	\$3365
13933	Console Mounting Arm	\$525
11028	Console Ext Cable In Conduit	\$430
10816	29in lb Motor w 16' Cable (\$1279 each x 3)	\$4050
	<b>Total:</b>	<b>\$13,824</b>

Sample T39 Custom "S" System		
11041	All-In-1-DC CNC control system: Pre wired Electrical enclosure ready to install with hook up cables for machine accessories and Lathe Pro software	\$5454
11084	CNCPC for use with your display	\$1050
10816	29in lb Motor w 16' Cable (\$1350 each x 2)	\$2700
	<b>Total:</b>	<b>\$9204</b>
11077	Optional Operator's Control Pendant	+ \$810
	<b>Total</b>	<b>\$10,014</b>