Factory Premwire CNC Control utilizing the “All-in-1-DC” control board
Starting at $5360 with CENTROID Mill or Lathe software

### Factory installed Options

- "M" Function factory install
  Includes spindle reversing contactors, mist, lube and limit switch cabling $689 (#11042)
- "S" Function Cabling
  Includes inverter wiring, mist, lube, and limit switch cabling $389 (#11087)
- Flood Contactor and Cabling $178 (#10460)
- High Power Upgrade
  Wired for 220 or 440 VAC input $725 (#10264)

Note: All-in-One DC systems come standard with enough pre-configured I/O for many 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

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLCAdd1616</td>
<td>16 Inputs (5, 12, 24 VDC) 16 Relay Outputs</td>
<td>$445 (#11025)</td>
</tr>
<tr>
<td>Add4AD4DA</td>
<td>4 Digital to Analog Outputs 4 Analog to Digital Inputs</td>
<td>$550 (#11141)</td>
</tr>
<tr>
<td>PLCADD6464</td>
<td>64 Inputs 5V non isolated 64 Outputs Open Collector</td>
<td>$1300 (#1112)</td>
</tr>
</tbody>
</table>

### PLC Add 64add64

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: $1279 each (#10816)**
  - 40 in-lb (4.52 Nm) w/ 16ft (4.8m) cable: $1390 each (#10935)**
  - Motor Cable (custom lengths over 16ft (4.8m)): +$7/ft
- 7 in-lb, 10 in-lb and 40 in-lb w/ brake also available, call for $5

### Related Hardware and Cable kits

- M39 style Display/keyboard tray with arm $475 (#10240)
- Operators Pendant mounting hardware $76 (#10491)
- MPG internal cable 20’ w/bulkhead con. $125 (#11086)
- Probe internal cable 6’ w/bulkhead con. $50 (#11085)
- Operators control panel internal cable 20’ $50 (#11029)
- OEM/DIY console cable connector set $35 (#13138)

### Touch Screen CENTROID CNC Console

- Console, Display, & Cabinet opt. mounting hardware
  - Conduit and Cable package* for console w/ CNPCP $405 (#11028)
  - Conduit and Cable package* for console w/ factory installed software $465 (#13150)
  - Custom Length Console Cable for Conduit over 6ft add $28.50/ft
  - Console mounting arm kit $463 (#13933)
  - Console to Arm mounting hardware (use w/ your arm) $139 (#13932)
  - Console Rolling Floor Stand $595 (#6445)

### I/O Expansion Board Kits

- 16 Inputs / 16 Outputs $445 (#11025)
- 4 Digital Inputs $550 (#11141)
- 64 Inputs 5V non isolated 64 Outputs Open Collector $1300 (#1112)

### Ethernet Cable to PC

**Note:** All-in-One DC systems come standard with enough pre-configured I/O for many milling machine/lathe applications. Optional expansion boards are available for complex retrofits requiring additional I/O above and beyond the included I/O.
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  $12,245
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 reay 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

M400S S-Function “Stock System” ready to ship. part #StockS  $11,935
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

Two ways to order: Order a custom built All-in1DC CNC control system built to your specifications - OR - Order a “Stock” All-in1DC CNC control system

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

<table>
<thead>
<tr>
<th>Sample M400S Custom Console System</th>
<th>Sample T39 Custom “S” System</th>
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</thead>
<tbody>
<tr>
<td><strong>11041</strong></td>
<td>All-In-1-DC CNC control system: Pre wired Electrical enclosure ready to install with hook up cables for machine tool accessories.</td>
</tr>
<tr>
<td><strong>13181</strong></td>
<td>CNC Console</td>
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<tr>
<td><strong>13933</strong></td>
<td>Console Mounting Arm</td>
</tr>
<tr>
<td><strong>11028</strong></td>
<td>Console Ext Cable In Conduit</td>
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<tr>
<td><strong>10816</strong></td>
<td>29in lb Motor w 16’ Cable ($1279 each x 3)</td>
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Total: $13,114

Total: $9,553

+ $765