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 (814) 353-9290
 www.centroidcnc.com

Return older Fanuc equipped CNC machine tools to profitability, eliminate expensive service calls while making them easier to use, easier to program, affordable to run and reliable. Replace those aging FANUC CNC controls with a modern CENTROID CNC control.

Spindle Control: Run Analog input Fanuc Inverters or install a new Inverter to run the stock Fanuc spindle motor.**

CNC PC choices:
Your Windows 10/11 PC
 (your PC must meet Centroid minimum performance requirements)



OR:



Centroid Touchscreen All-in-One PC (#12786)



OR:

Centroid NUC CNC PC #15023



& your Touch Screen LCD display

OR:



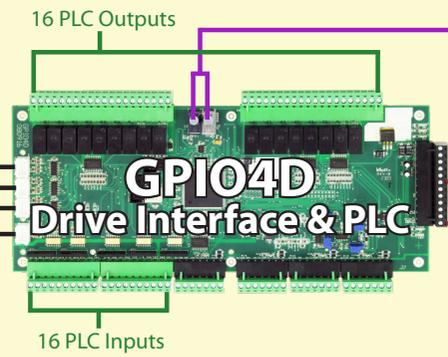
Three console variations to choose from

- CNC console (#13139)
- CNC console w/ built-in CNCPC (#13181)
- Panel Mount w/ CNCPC (#13934)

Fiber Optic Cables (Included)

Base Kit Includes:
MPU11 & GPIO4D
\$2060
#15001

Ethernet Cable to PC

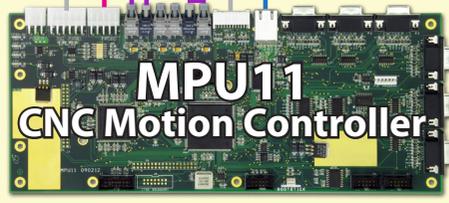


Optional PLC I/O Expansion Boards
 Add more I/O, up to 4 in any combination for up to 272 In / 272Out

PLC Add 1616
 16 Inputs (5, 12, 24 VDC)
 16 Relay Outputs
 (#11025)

Add4AD4DA
 4 Digital to Analog Outputs
 4 Analog to Digital Inputs
 (#11141)

PLC Add 6464
 64 Inputs 5V non isolated
 64 Outputs Open Collector
 (#11212)

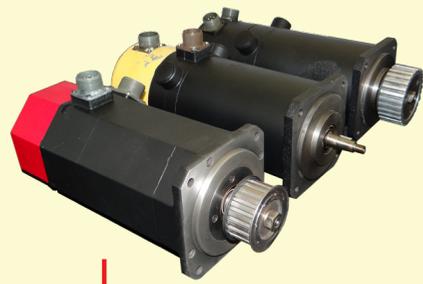


Additional Encoders or Scales

Fiber Optic Cables (Included)

Encoder Cables

Up to 8 axis



Power Cables

CENTROID AC/DC servo drives
 30 amp AC/DC-30 \$1490 each(#12854)
 60 amp AC/DC-60 \$1595 each(#12855)

Reuse existing FANUC servo motors Red Cap, Yellow Cap or Black Cap. Encoder upgrade kits and cabling kits** are available, see back page for details.

Note: Run AC brushless servo motors **or** DC brush servo motors with the CENTROID AC/DC servo drive



Optional Operator's Control Panel #11077



Optional Manual Pulse Generator (MPG) (#11069)



Optional Wireless MPG Control Pendant (#8928)

Optional Touch Probe KP-3 #14944



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

CNC Software

- CNC12 Pro Mill or Lathe \$549
- CNC12 Ultimate Mill or Lathe \$995

Effective 12-21-21

** see installation manual for detailed information.

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Directly control popular Fanuc servo motors with the CENTROID AC/DC servo drive. Both AC and DC servo motors can be controlled. Some motors will require an encoder upgrade kit. Below is a list of FANUC Servo motors currently compatible with CENTROID CNC controls.

Note: This table is not a complete list of all Fanuc AC motors, just motors we have verified.

FANUC



Red Cap Motor Model	CENTROID AC/DC drive	CENTROID/FANUC Encoder kit
0S,5S,6S,6S/3000,5S/3000,10S/3000,10S	AC/DC-30 (30 amp drive)	Part # 12859 or ^[1] #12876
20S, 20S/1500,20M,30,30S,30R,30/2000,40	AC/DC-60 (60 amp drive)	Part # 12859 or ^[1] #12876 ^[1] see manual on how to select kit
0,5,10	AC/DC-30 (30 amp drive)	Part #12859 \$370
20	AC/DC-60 (60 amp drive)	Part #12859 \$370
α3/3000,α6/2000,α12/2000,α12/3000,αC12/2000	AC/DC-30 (30 amp drive)	Part #12876 \$490
αC22/1500,α22/1500, α22/2000 α30/2000, α30/1200,α40/2000 ^[3]	AC/DC-60 (60 amp drive)	Part #12876 \$490
β-series	to be announced	to be announced



Yellow Cap Motor Model	CENTROID AC/DC drive	CENTROID/FANUC Encoder kit
0M,5M,10M w/stock encoder ^[2]	AC/DC-30 (30 amp drive)	Part #12896 ^[2] \$372
20M,30M w/stock encoder ^[2]	AC/DC-60 (60 amp drive)	Part #12896 ^[2] \$372
0M,5M,10M w/stock tach&resolver	AC/DC-30 (30 amp drive)	to be announced
20M,30M w/stock tach&resolver	AC/DC-60 (60 amp drive)	to be announced



Black Cap Motor Model	CENTROID AC/DC drive	CENTROID/FANUC Encoder kit
0,5 w/stock tach only	AC/DC-30 (30 amp drive)	Part #12903 \$370
10,20 w/stock tach only	AC/DC-60 (60 amp drive)	Part #12903 \$370
0,5 w/stock encoder ^[2]	AC/DC-30 (30 amp drive)	reuse stock encoder ^[2] or install new
10,20 w/stock encoder ^[2]	AC/DC-60 (60 amp drive)	reuse stock encoder ^[2] or install new

[1] See the CENTROID/Fanuc retrofit installation manual for more information and to determine which style encoder kit is required.

[2] The stock Yellow and Black cap FANUC encoders may be reused as is: plug and play with the correct cable. The CENTROID encoder kit is only necessary if stock encoder is missing, malfunctioning or you wish to upgrade to our High Resolution Encoder.

[3] Only α40/2000 motors without a cooling fan are supported

- Make or modify you own cables or buy pre-made Fanuc to CENTROID AC/DC drive motor cables up to 20' \$350ea.