



Route 66 DIY CNC Knee Mill Retrofit Kit

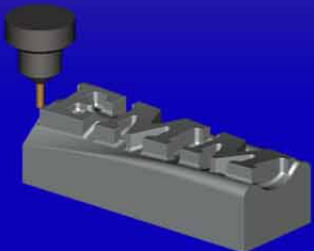


Now Offering
Our *Patented*
Smart Stop

3 Machines in One !
A Real Working Kit Starting At \$13,583.00!

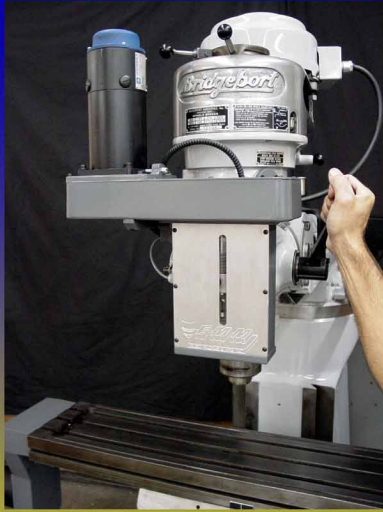


*Precise Quill Positioning
is Back!*
*While in the 2 Axis Mode
Or Manual mode*



Elrod Machine & Mfg. Inc.
Flagstaff, AZ
Ph. 928-526-9032
elrodmachine.com

Components Of The Route 66 Compu-Cut



Elrod Patented Z Axis Quill Drive with Quick Disconnect

CENTROID™ All-in-One DC CNC Control
with CENTROID Mill or Lathe software
159 Gates Road, Howard, PA 16841 USA
(814) 353-9290
www.centroidcnc.com

CNC PC choices:
Your Windows 7 PC OR: Our All-in-One PC (#11084b) OR: Our CNC PC cabinet installed, (#11084) & your display OR: Our CNC console (#11082) Panel Mount console (#11170) *Touch screen option (#12568)

Factory installed options

- "M" Function factory install
Includes spindle reversing contactors, mist, lube and limit switch cabling (#11042)
- "S" Function Cabling
Includes inverter wiring, mist, lube, and limit switch cabling (#11087)
- Flood Contactor and Cabling (#10460)
- High Power Upgrade
Wired for 220 or 440 VAC input (#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 80 In / 73 Out

PLC Add 1616

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

Optional DC1 Single Axis Drive
Add axis drives up to 6 total axes (#11112)

Add4A4D4A

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

Optional Touch Probe & Software
DP-4 (#10405)
DP-7 (#12431)

Use your DC Servo Motors
Up to 40 in lb (4.52 Nm)

-OR-

Add CENTROID motors w/encoders installed and cable:

- 17in lb (1.92 Nm) w/ 16ft (4.8m) cable: (#10667)**
- 29in lb (3.28 Nm) w/ 16ft (4.8m) cable: (#10816)**
- 40in lb (4.52 Nm) w/ 16ft (4.8m) cable: (#10953)**
- Motor Cable (custom lengths over 16ft (4.8m)):
- 7 in-lb, 10 in-lb and 40 in-lb w/brake also available.

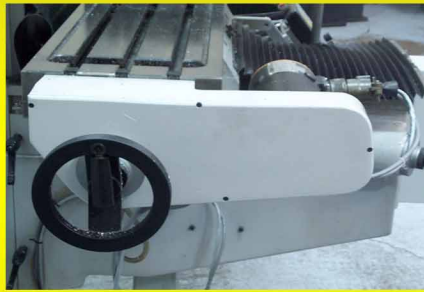
DC encoders w/ 6mm shaft: (#3403)
(other sizes also available: 1/4", 3/8", 1/2")

Console and Display optional mounting hardware

- Console ext. cable in conduit (6 ft) (#11028)
- Console ext. cable in conduit custom lengths (#11028)
- Console mounting arm (#10530)
- Console mounting swivel (for use with your arm) (#10534)
- Rolling cabinet stand and display tray (#10512)
- Rolling console stand (#10595)
- Display/Keyboard tray with arm (#10240)
- Operators Pendant mounting hardware (#10491)

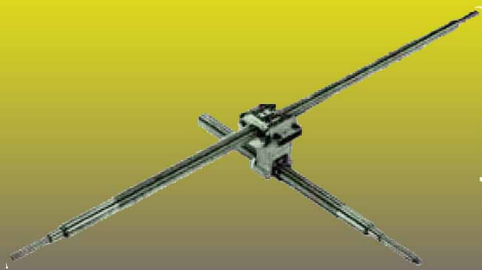
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All prices and specifications subject to change without notice.
*Select model. **www.centroid.com. Prices shown represent all pricing options.

Centroid All-In-One DC Control



2 Styles of X Axis Motor Brackets

Y Axis Motor Bracket



Precision Ground Table Ball Screws



Elrod Heavy Duty Ball Screw Mounting Yoke



Autoway Lube Pump

Limit Switch Kit



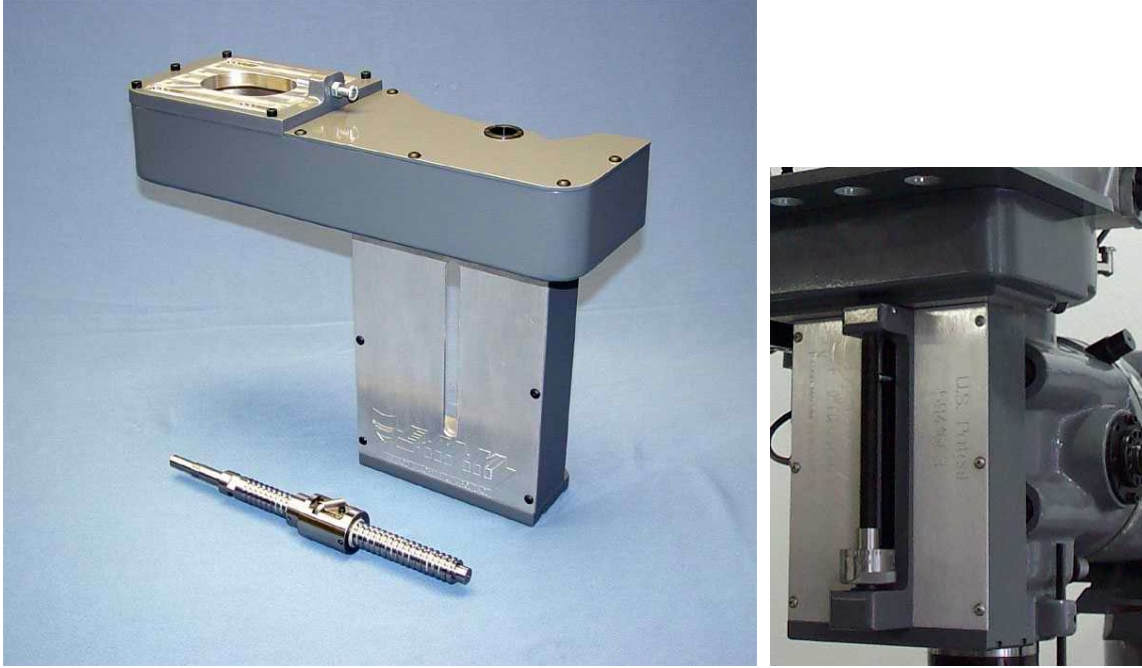
ElrodMachine & Mfg. Inc.

Ph. 928-526-9032

ELROD MACHINE & MFG.
X-Y-Z RETRO-FIT HARDWARE
COMPONENT PRICE SHEET

Rev: 100809DE

Elrod Z-Axis Quill Kit



Models Avail:

Item #	
QU1C-Std	Fits Bridgeport Series 1 and all 2-J type heads
QU2C4	Fits Type 3 mill heads (3VK,3VS)
QU3C4	Fits Type 4 mill heads (4VK,4VS)
QU4C4	Fits Type 5 mill heads (5VK,5VKH)

\$ 1899.00

All QUILT KITS COME STANDARD WITH A GROUND SCREW and Quick Disconnect for Manual Z Use

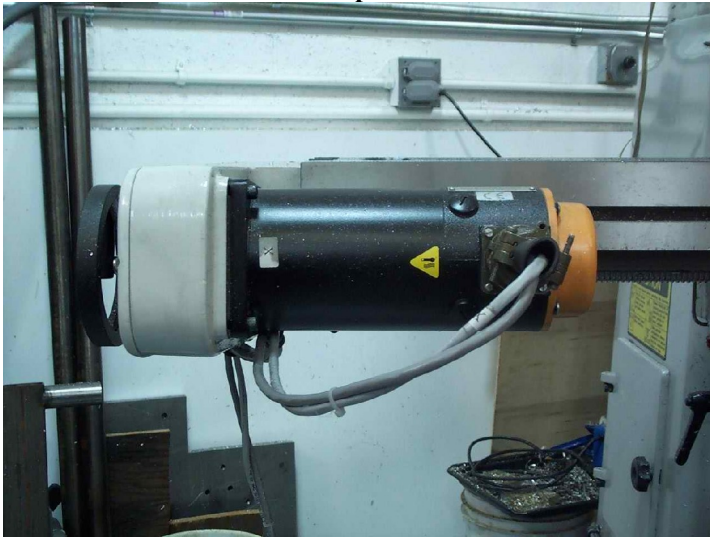
Z-AXIS OPTIONS:

<u>Item#</u>	<u>Description</u>	<u>List</u>
#SMRTZ-00	Smart-Z internal encoder	\$722.00
#SMART-STP	Smart -Stop Integrated Quill Stop: for manual use when dis-connected from the ball screw (<i>Just like it was when it was a manual machine</i>)	\$390.00
#R8CT-99	R-8 Collet tray (specify Quill kit item # above)	\$136.00
#ZPC-99	Powder Coat (Gloss Black, BP Gray, or Off White)	\$150.00

X&Y STD. MOTOR BRACKT KIT



Down and Out X Bracket Complete Kit



Space Saver X Bracket Displayed

ITEM #

#DOXLFT95 2:1

#SSXLFT95 2:1

#XYPC99

List:

Down and Out X bracket 2:1 pulley ratio

Space Saver bracket 2:1 pulley ratio

(two handwheels)

Powder Coat Option:

(specify color: gloss black, BP gray, off white)

LIST

\$1295.00

\$1325.00

\$150.00

PRECISION GROUND BALL SCREWS

1"dia. With .0005"per ft. lead accuracy

1-yr. Warranty



		<u>LIST</u>
XYS-9x42	9x42 table-screw set .0005" lead accuracy	\$1,847.00
#XYS-9x48	9x48 table-screw, set	\$1,686.00
#XYS-9x49	9x49 table-screw, set	\$1,963.00
#XYS-10x50	10x50 table-screw, set	\$2,084.00
#XYS-10x54	10x54 table-screw, set	\$1,839.00
#XYS-12x58	Special Order, Call for pricing	

NOTE: REFERENCE MILL MAKE AND MODEL NUMBER WHEN ORDERING SCREWS

Yoke, HD For mounting X&Y table screws. Fits Bridgeport and most Taiwanese mills.



EMM-Yoke

List \$450.00

AUTO WAY LUBE PUMP Adjustable timer, 110v or 220v, Import

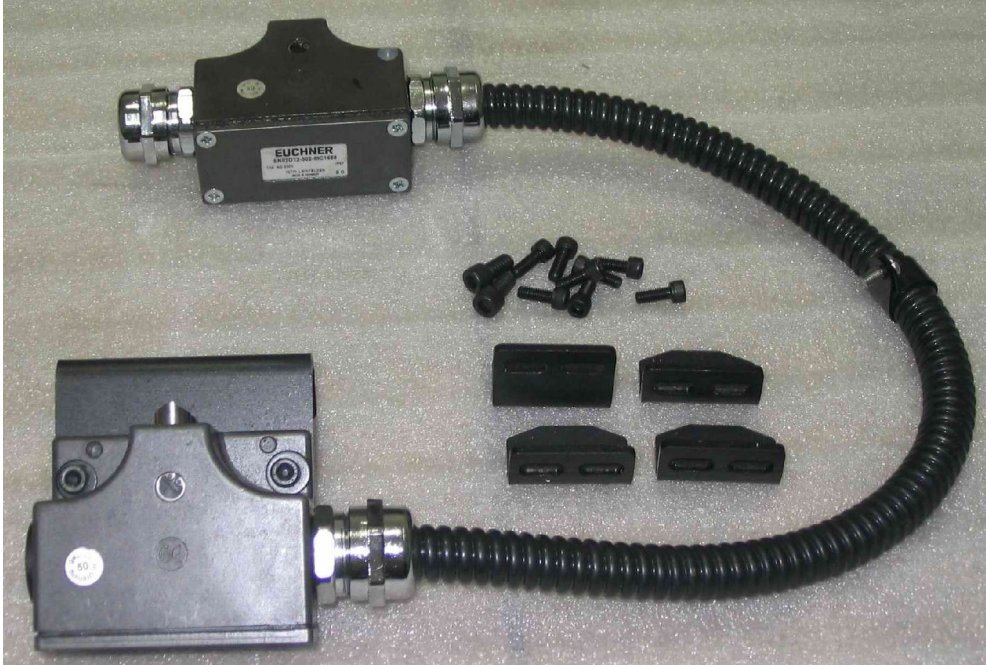


#CESD-110v Lube pump

#CESD-220v Lube pump

List: \$295.00

LIMIT SWITCH KIT



German Switch for X&Y axis

Complete kits includes 2 switches, 2-x tripper blocks, 1-Y tripper plate. All mounting hardware included

Item #D12-502Limit Switch Kit

List: \$607.00

Sample Kit Order M39 Style (Using your Own PC, Keyboard and Monitor)

Sample M39 "S" System

11041 All-In-One DC System Pre –wired at Centroid	\$4790.00
11042 "M" Function Wiring	
(Includes spindle reversing contactors, mist, lube and limit switch cabling)	\$650.00
10816 29in lb Motor w 16' Cable (\$1015 each x 3)	\$3510.00
QU2C4 K Axis Quill Drive	\$1,899.00
DOXLFT XY Bracket Kit	\$1,295.00
XYS Ball Screw Kit	\$1,839.00
CESD 110V Autoway Lube Pump	\$295.00
D12-502 Limit Switch Kit	\$607.00
Total Investment	\$14,885.00

Suggested Options

11077 Jog Pendant	\$775.00
Smart-Z (Optional disconnected Z Axis Feed back)	\$722.00
Powdercoat CNC Hardware Black	\$300.00

WHEN ORDERING PROVIDE THE MILL NAME, MODEL # AND TABLE SIZE ON ALL
PURCHASE ORDERS

TERMS AND CONDITIONS

Delivery: 4 weeks A.R.O.

Terms:

Prepaid Check , Visa, Or Mastercard, American Express

Elrod Machine now accepts : American Express



**A Purchase Order Number is Required at time of Order.
Verbal is acceptable.**

Warranty: All products 1 Year Parts and Labor if determined factory defective. 90 days on all electrical. Warranted products will ship returned UPS ground unless otherwise requested by customer. Customer will pay freight differences from ground.

Returns: Please call 928-526-9032 for a Return Authorization #. All returned products without a RA# will be subject to a 20% re-stocking fee.

Freight: All products will ship UPS unless otherwise requested. Third party billing is acceptable providing customer has active account with preferred freight carrier.

Prices and Specifications Subject to Change Without Notice

Elrod Machine & Mfg.
Phone Order Line: 928-526-9032
Fax Order Line: 928-526-2301
Email ordering: sales@elrodmachine.com
Email correspond: sales@elrodmachine.com
Technical Support/Ordering Questions: 928-526-9032



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All-in-One DC CNC Control

with CENTROID Mill or Lathe software

CNC PC choices:

Your Windows 7 PC



OR:

Our All-in-One PC
 (#11084tb)



OR:

Our CNC PC cabinet installed, (#11084) & your display



OR:

Our CNC console (#11082)
 Panel Mount console (#11170)
 *Touch screen option (#12568)



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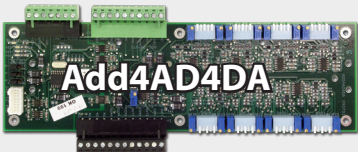
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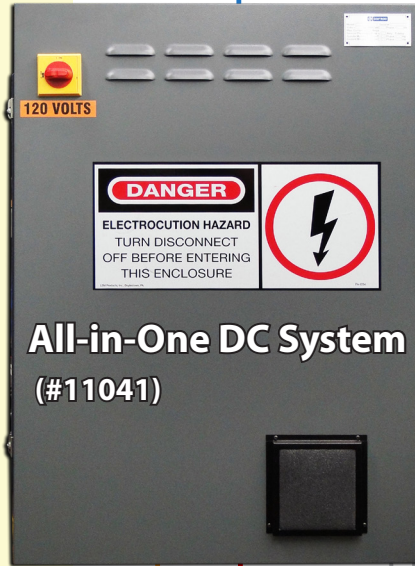
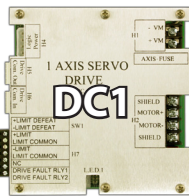
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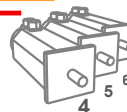
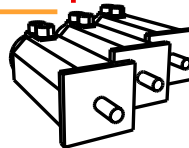
Optional DC1 Single Axis Drive
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All-in-One DC System
 (#11041)

Encoder Cables

Motor Power



Optional Operator's Control Panel
 (#11077)

Optional Touch Probe & Software
 DP-4 (#10405)
 DP-7 (#12431)



Optional Auto Tool Set
 - TT-2 (#12486)
 - TT-1 (#10220)

Optional Manual Pulse Generator (MPG)
 (#11069)



Console and Display optional mounting hardware

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