

Q3D CONTROLLER

Size: 12" x 12" x 4.5" Weight: 16 lbs.

Data Input: TCP/IP or Serial

1 switched DC Output and 3 Switched AC Outputs

Heavy Duty Interconnect Cable to Table

Pendant 9 pin Serial Cable Hook Up

3 Home Limits, 2 Max Limits and Z Sense Inputs

Solid State Micro Stepping High performance Drivers X/Y/Z

4th Axis Control Circuitry

20 LED Situation Indicators (10 Red & 10 Green)

Mechanically Switched Auxiliary AC Power Outlet

Power On/Off Switch w/ Indicator Light

Computer requirements to run the Quality Program: Pentium, 256 MB RAM, 200 MB HD, Windows 9X & XP. NO Vista support.

Recommended for use with CadLink™, CorelDraw™, CASmate™ or other graphics

programs: Pentium™ 2GHz, 1 GB RAM, 20 GB HD, Windows™ XP or Vista.

Job Storage up to 200 jobs on SD Card & Recall without computer

Capable to auto repeat job at new home and at 2nd cutter set for Braille Bead Insertion.

TCP/IP Ethernet input from hub or direct computer connect

Programmable Ramp Table

Reset to Home with the touch of a button

Slew head in all 4 directions & all 4 diagonals

Move cutter head in 4 directions during Z-axis Cutter Set

Stop, slew to view engraving, resume at original location

Two internal simple jobs built in for testing and easy setup

Programmable table slew speeds in real units (in./sec)

Programmable table return to Home speeds X/Y/Z (in./sec)

Programmable offsets from limit switches X/Y/Z (inches)

Programmable fast & slow Z-axis cutter set speeds (in./sec.)

Programmable engraving default start delay time (seconds)

Programmable table leadscrew steps per inch settings X/Y/Z

Programmable Z-axis clearance default setting (inches)

Programmable Alternate Home position

Programmable Preset Home

Programmable Travel Speed (in/sec)

Programmable Tick movement for X & Y (inches)

Programmable 3 engraving parameter sets

Start engraver at any position on table

Job, any sized, will repeat with a push of the Start button

Selectable serial baud rate from 9600 to 115200

“Z” Axis Sensor capabilities and menus

Ability to operate as a 2-axis engraver for diamond drag or bead insertion

Z Head Reference Adjusting Position

Position monitoring mode for X & Y Axis

Input and add to or subtract from cutter set values.



Q3D



Q3X/Q3D LCD PENDANT

Size: 3.25" x 6" x 1.5" Weight: 1 lbs

LCD display (4 x 20 characters) Rugged ABS Plastic Housing

Spindle Up / Auto switch Chip Removal Off / Auto switch

Spindle Rotation Off / Auto switch

Re-Initialize button to stop all engraver function

Displays cutter set distance in steps

Displays data in amount in bytes

Displays switch positions, baud rate, type software input, touch sensor available, Auto Run, Braille mode, Limit condition and New Home.

