

# CTL - 618EVS

# MANUAL MODEL

HIGH SPEED / HIGH ACCURACY TOOLROOM LATHE

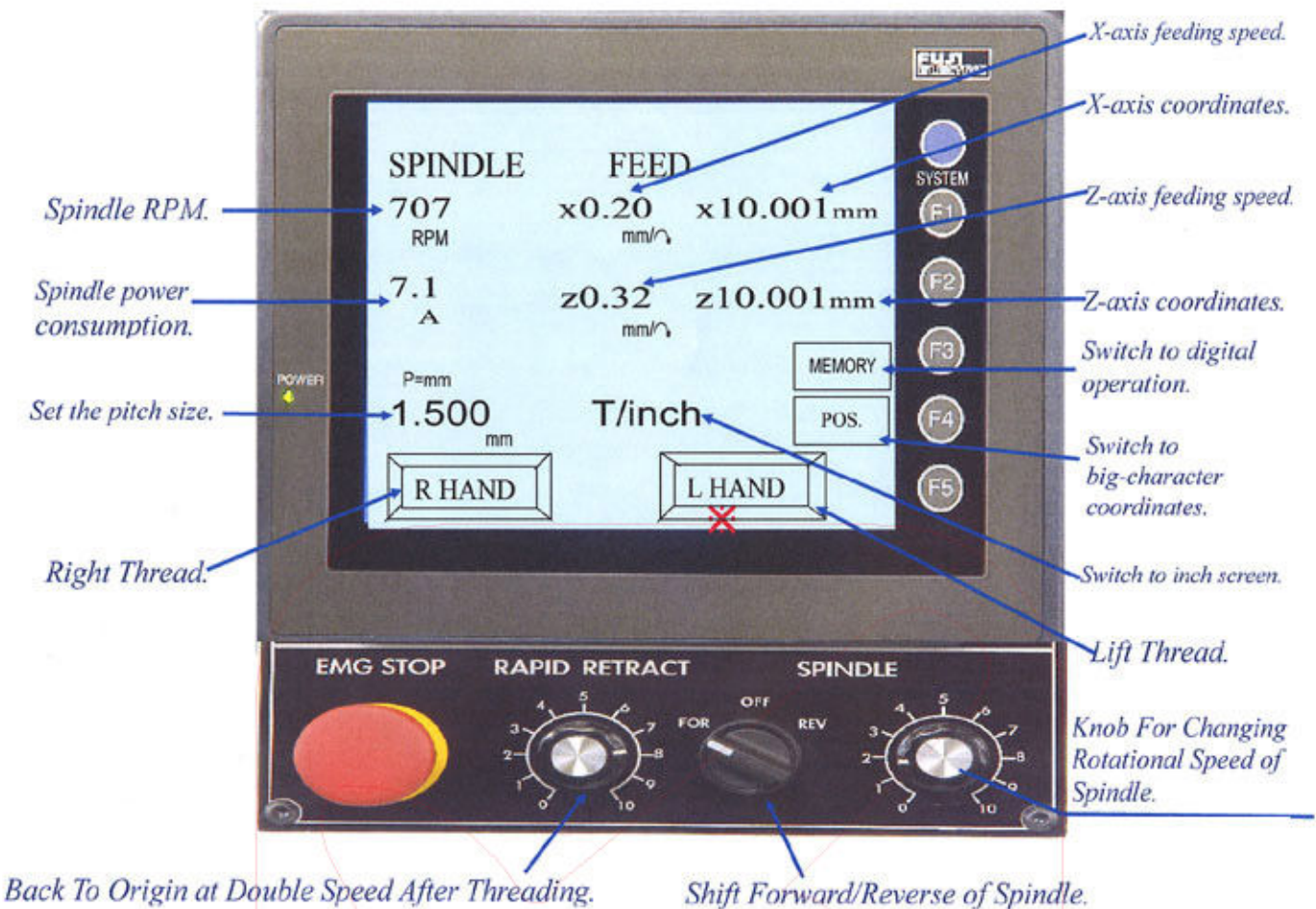


Control Panel

## The First Choice of Toolmakers!

- ★ Ruggedly Constructed to Withstand Continuous Production.
- ★ With Inch / Metric Dual Systems
- ★ 280mm (11") Swing over bed.
- ★ 457mm (18") distance between centers.
- ★ Dual range Inch / Metric quick change gearbox.
- ★ Infinitely variable spindle speeds from 0-4000 RPM
- ★ Fast lever collet chucking with a single movement.
- ★ Automatic thread length control with fine adjustable stops provides for accurate thread relief.
- ★ Full bearing carriage with Turcite-B slideway bearing material between carriage and bed.
- ★ Solid hardened and ground alloy tool steel bed.
- ★ The spindle is mounted in high precision preloaded angular contact ball bearings eliminating end play.

 EA50915



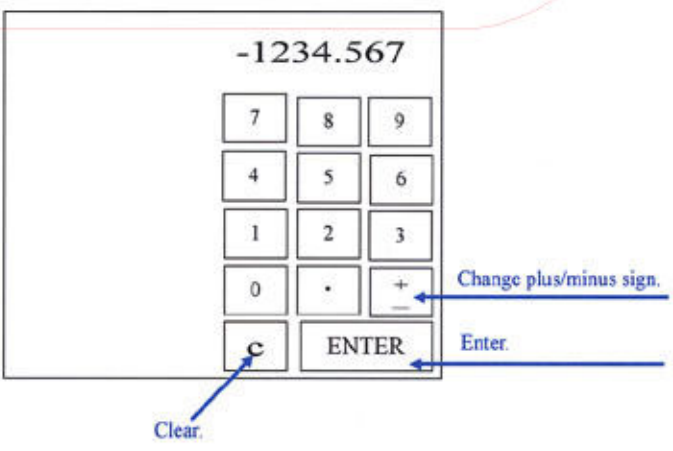
Back To Origin at Double Speed After Threading.

Shift Forward/Reverse of Spindle.

1. The lead screw is driven directly by servo- motor. Through operation of interface, a spindle decoder is used to transfer the motion of lead screw to rectilinear one. The L.C.D touch pad showing the data is applied to control.
2. Rapidly returning to the origin is executed according to the principle of temporarily coming off the tracking mode.
3. Feeding rate per minute of auto feed is calculated with MODBUS communication protocol interior message data of the converter, so that user s' cutting precision is available much easily and greatly.

Model:CTL-618e

**【Numerical setting keyboard】**

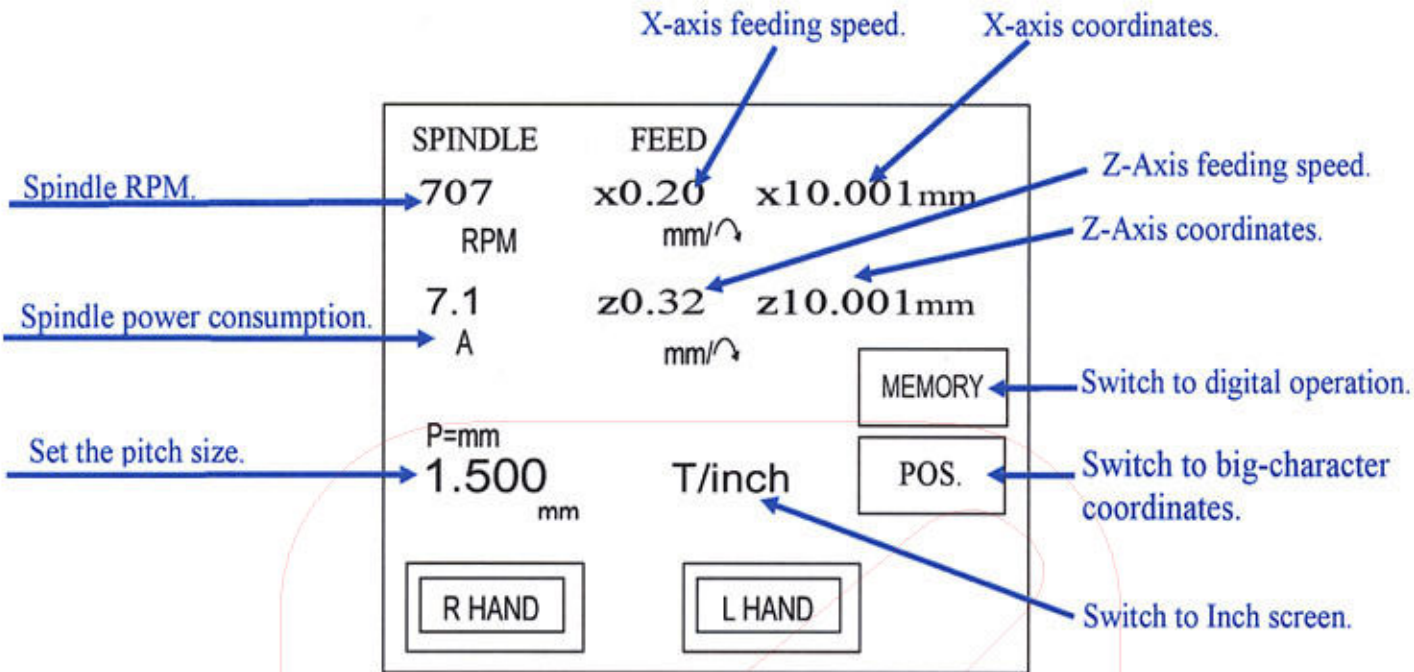


Such a keyboard will pop up each time a changeable numerical column is pressed and will disappear automatically upon numbers being entered.

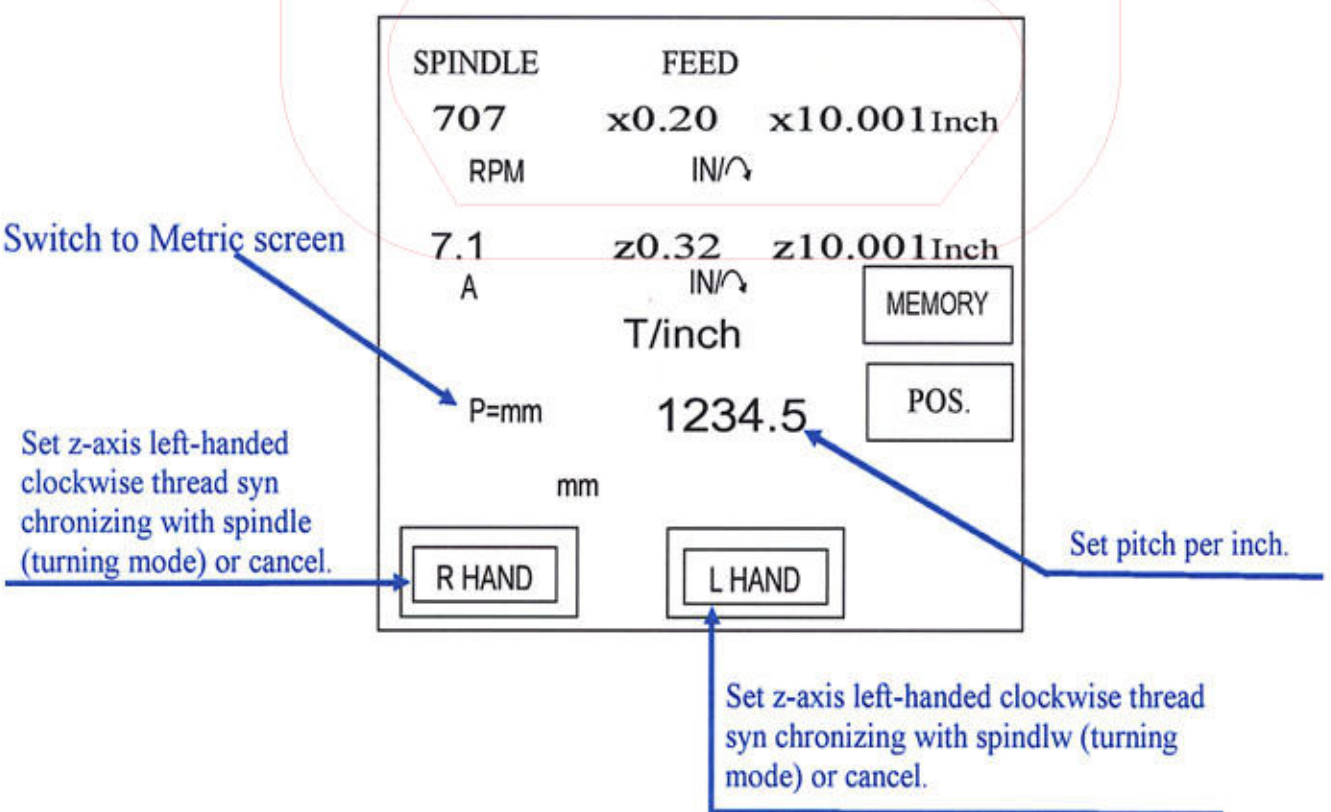
※ The change of plus/minus sign is to be conducted after entering the numbers.



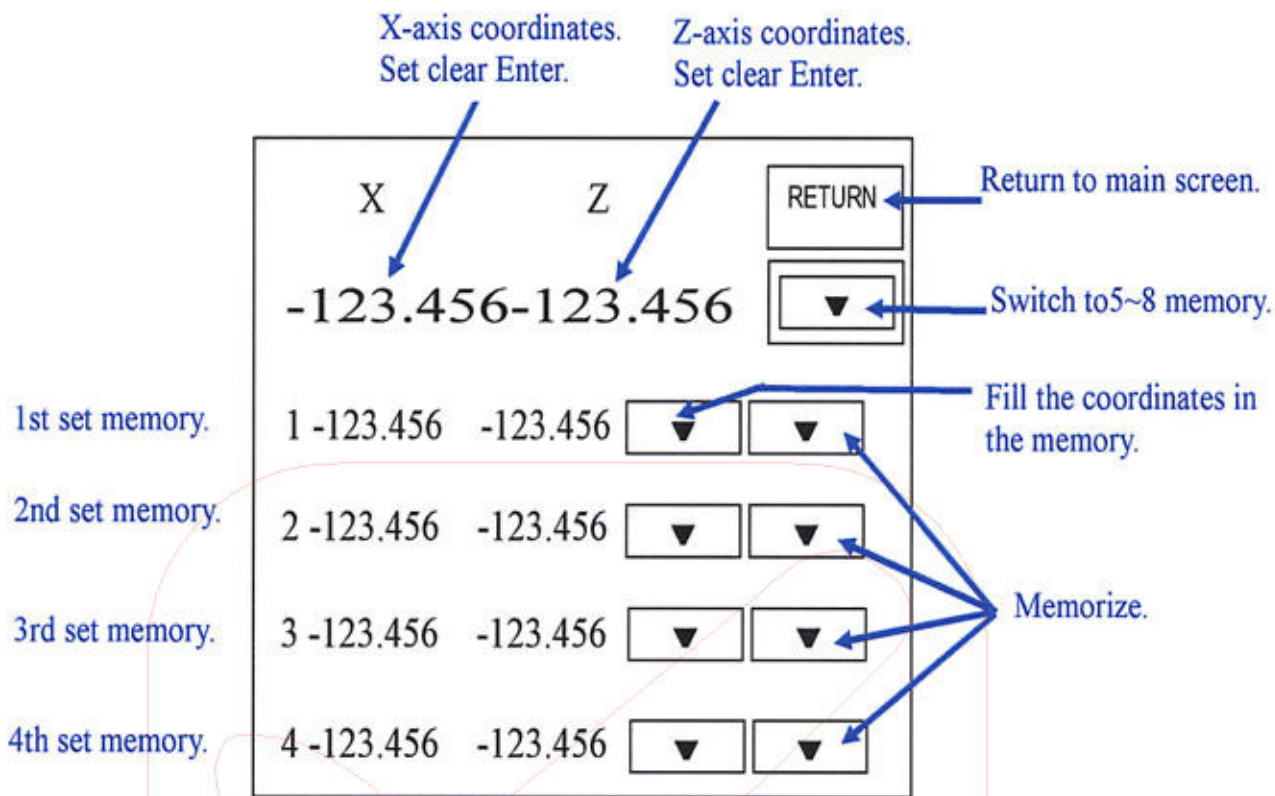
## 【Metric Screen】



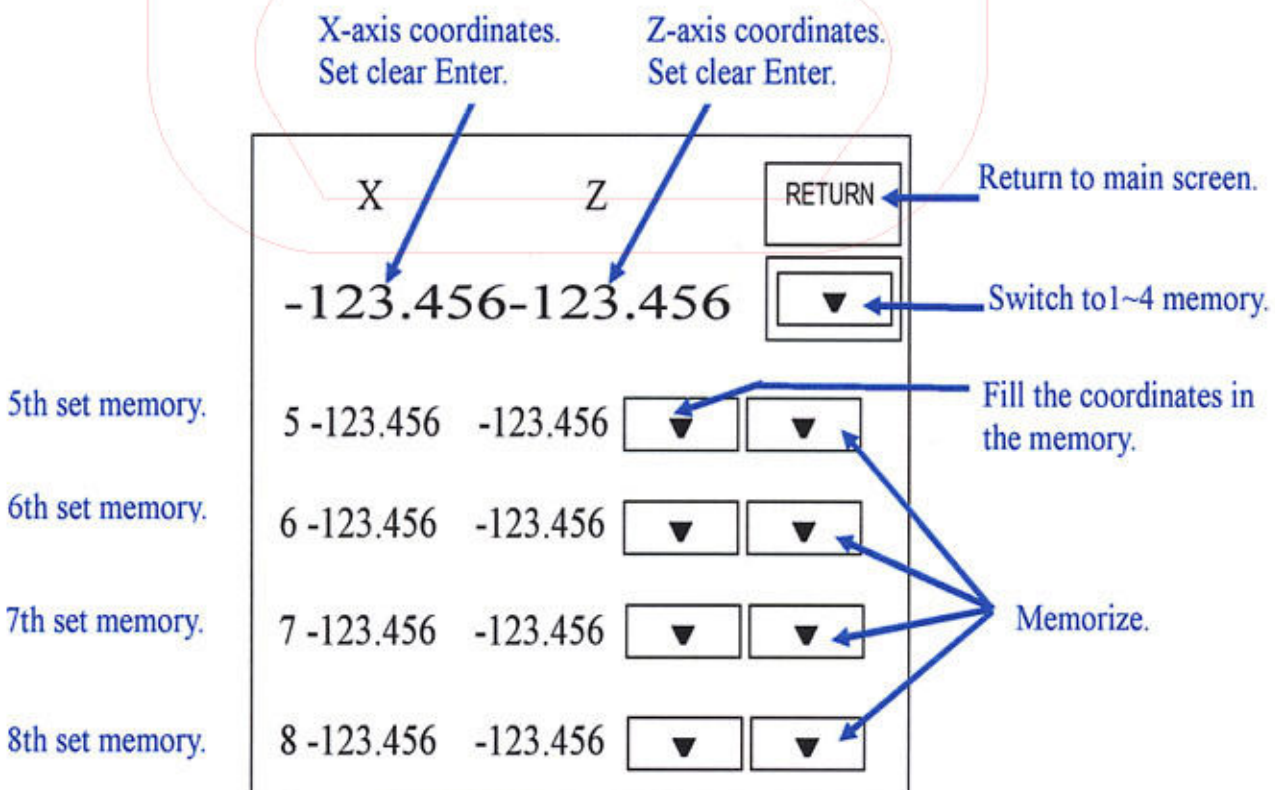
## 【Inch Screen】



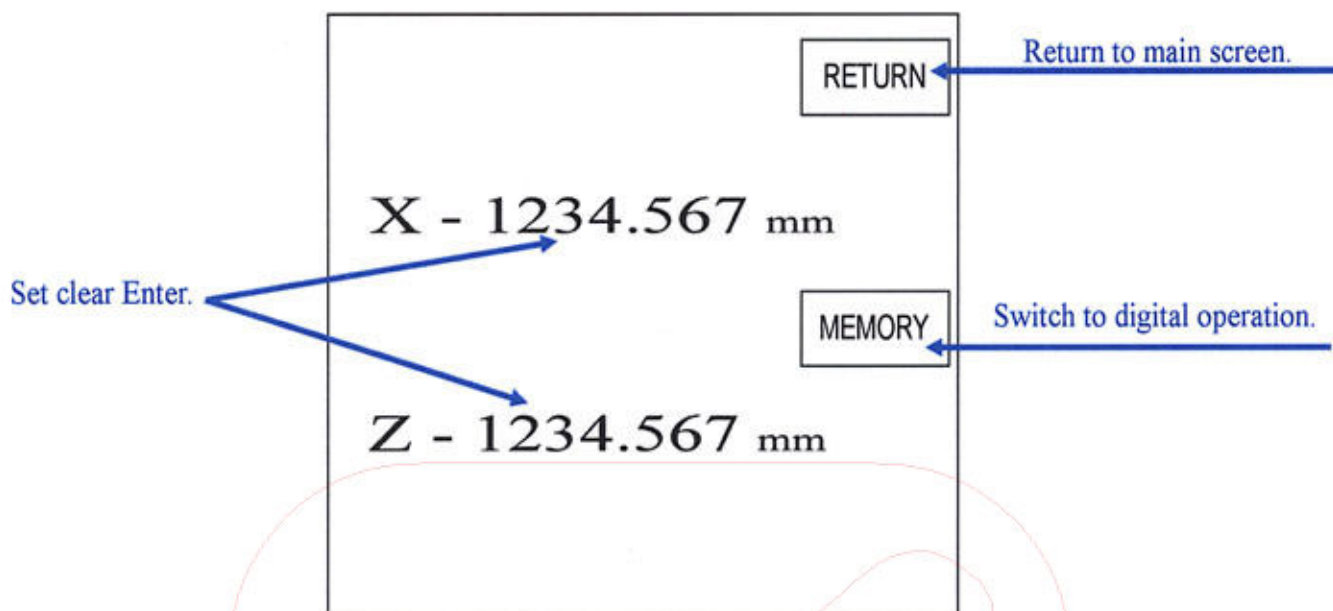
## 【Digital operation】



## 【Digital operation】



## 【Big-character coordinates】



## SPECIFICATIONS

<b>MODEL</b>		<b>CTL-618e</b>
Spindle Capacity	With Chuck	150mm (6")
	With Expanding Collets	76 mm (3")
	With Round 5C Collets	27mm (1-1/16")
	With Hexagon 5C Collets	22mm (7/8")
	With Square 5C Collets	19mm (3/4")
	With Step Chucks	27~152mm (1-1/16" - 6")
Spindle Nose Diameter		φ 55.5mm (φ 2-3/16")
Spindle Nose I.D/O.D		5C (10°) / 4° Taper
Spindle Speeds (Variable)		0-4000 R.P.M.
Inverter Spindle Motor		5 HP
Hole Through Spindle		31.75mm (1-1/4")
Bar stock diameter (5C collet)		φ 27 mm (φ 1-1/16")
Distance Between Centers		457mm (18")
Swing Over Bed		280mm (11")
Swing Over Carriage		230mm (9")
Swing Over Cross Slide		152mm (6")
Carriage Power Feed Range		5~102mm (3/16"~4")
Cross Slide Power Feed Range		8~178mm (5/16"~7")
Cross Slide Travel		152mm (6")
Quick-action Compound Slide Travel		2.5mm (0.1")
Compound Slide Travel		76mm (3")
Coolant Pump		1/8HP, 220V, 3 PH
Feed Motor		Inverter 1/2 HP
Tailstock Spindle Travel		95mm (3-3/4")
Range of Threads in Gear Box		0.2~10mm (4~120 per inch)
Number of Thread Changes		-
Net Weight (approx)		1000 kgs (2200 lbs.)
Gross Weight (approx)		1100 kgs (2400 lbs.)
Machine Dimensions (L×W×H)		1850*750*1700mm (73"*30"*67")