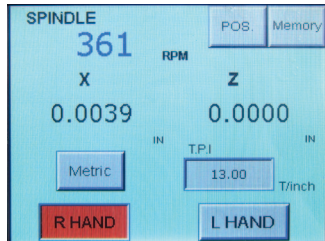




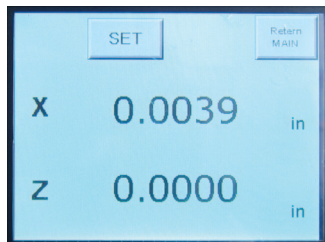
CTL-618DT

SUPER HIGH PRECISION TOOL ROOM LATHE

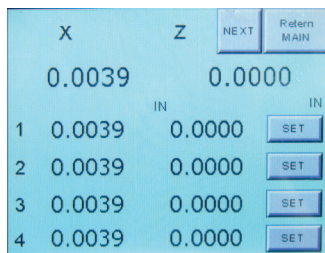
WITH DIGITAL THREADING CONTROL



Digital threading control. Select inch or metric threads. Select left or right hand thread. Input thread pitch with touchscreen keypad.



Dedicated screen to display X and Z-axis DRO values with large font.



Memory function saves coordinate set points and makes it easy to check if you are on track on a repeated job.



NEW FEATURES

- Ultimate threading performance in its class — Digital Threading Control allows inch and metric threading without conventional gearbox. The radically simplified design enables fast and precise operation with no chattering noise.
- Uncommon thread pitches can easily be produced without opening up the machine or changing any gears. 618DT can handle any threads between 4 to 120 TPI.
- Flat panel LCD display shows spindle RPM and tool feed rate to let operator easily select best cutting conditions.
- Space-saving design incorporates fully featured Digital Readout (DRO) on the same control console.
- Rapid retract function greatly shortens non-cutting backstroke during threading cycle.

EISEN CTL-618DT

| | | |
|--|-------------------------|--------------------------|
| Spindle Capacity | with Jaw Chucks | 6" |
| | with Expanding Collets | 3" |
| | with Round 5C Collets | 1 1/16" |
| | with Hexagon 5C Collets | 7/8" |
| | with Square 5C Collets | 3/4" |
| | with Step Chucks | 1 1/16" ~ 6" |
| Spindle Nose Diameter | | Ø 2.189" |
| Spindle Nose I.D. / O.D. | | 5C (10°) / 4° Taper |
| Variable Spindle Speed w/ 5C Collet | | 0 ~ 4000 rpm |
| Variable Spindle Speed w/ 6" 3-Jaw Chuck | | 0 ~ 3000 rpm |
| Hole through Spindle | | 1 1/4" |
| Distance between Centers | | 18" |
| Swing over Bed | | 11" |
| Swing over Carriage | | 9" |
| Swing over Cross Slide | | 6" |
| Carriage Power Feed Range | | 3/16" ~ 4" per minute |
| Cross Slide Power Feed Range | | 5/16" ~ 7" per minute |
| Cross Slide Travel | | 6" |
| Quick-Action Compound Slide Travel | | 0.1" |
| Compound Slide Travel | | 3" |
| Tailstock Spindle Diameter | | 1.358" |
| Tailstock Spindle Taper | | MT #2 |
| Tailstock Spindle Travel | | 3 3/4" |
| Lead Screw Diameter | | 1" (8 TPI) |
| Main Motor | | 3 HP, 220V, 3PH |
| Variable Frequency Drive | | Yaskawa V1000 |
| Coolant Pump | | 1/8 HP, 220V, 3PH |
| Metric Threads (mm), in 0.001mm increments | | 0.2 ~ 10mm |
| Inch Threads (TPI), in 0.1 TPI increments | | 4 ~ 120 TPI |
| Optical Scales for DRO | | Mitutoyo, 1µm resolution |
| Net / Gross Weight | | 2420 lbs. / 2640 lbs. |
| Machine Dimensions (L x W x H) | | 73" x 30" x 67" |
| Packing Dimensions (L x W x H) | | 74" x 34" x 74" |

• Design and specifications are subject to change without notice.

STANDARD ACCESSORIES

- | | |
|------------------------------------|----------------------------|
| 1. 5C collet closer | 7. Tailstock |
| 2. Digital threading control (DTC) | 8. Leveling bolts and pads |
| 3. Wedge type tool post | 9. Integrated DRO |
| 4. Quick-action tool slide | 10. Toolbox with toolkit |
| 5. Coolant system | 11. Manual & parts list |
| 6. Halogen work light | 12. Touch-up paint |

OPTIONAL ACCESSORIES

- | | | |
|--|---|--|
| 1. 6" 0-set universal 3-jaw chuck w/o back plate | 8. Taper turning attachment | 15. 5C collet fixture plate 3 3/8" |
| 2. 6" 4° taper back plate | 9. Vertical cut-off slide | 16. 5C collet fixture plate 4 3/8" |
| 3. 6" 4-jaw chuck w/ back plate | 10. Indicator carriage stop (dial not included) | 17. 5C collet set (15 pcs) |
| 4. Steady rest (3" capacity) | 11. Tool setting gauge | 18. Radius turning attachment |
| 5. Follow rest | 12. Headstock center | 19. 4-way tool post for compound slide |
| 6. 7" slotted face plate | 13. Drive plate | 20. Chip & coolant shield |
| 7. 7" fixture plate | 14. Drive dog | |

FEATURES FOUND ON ENTIRE LINE OF EISEN TOOL ROOM LATHES

- Spindle runout within 1.5 micron. (50 millionths of an inch)
- Infinitely variable spindle speed from 0 to 4000 RPM.
- Full bearing carriage with Turcite-B slideway bearing material between carriage and bed.
- Fast lever collet chucking with one single movement.
- The spindle is mounted on high precision preloaded angular contact ball bearings eliminating radial and end play.
- Solid hardened and ground alloy tool steel bed.
- Yaskawa variable frequency drive delivers increased speed and torque response to provide servo-like performance from an induction motor.

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