

# CLEVELAND

## *HEAVY DUTY Oil Country 40 SERIES CNC LATHE W/ CENTROID T400 CONTROL*



### **MACHINE FEATURE:**

- Rugged Meehanite Casting,
- Hardened and Ground Bed ways,
- Turcit-B lined on sliding ways & Gibbs with precision hand scraped
- Std 6" spindle hole with 30Hp DELTA Vector Spindle drives with maxi Torque at auto gear shifting in 3-gear range
- Precision ground ball-screw w/double nuts
- Dual electric hand-wheels for manual operation
- manual Tailstock
- The M/C's with Automatic Lubrication
- Halogen Work light, Coolant system
- Telescopic steel way cover on X-Axis
- Full Enclosed guarding
- Made in Taiwan

### **CNC LATHE SPECIFICATIONS:**

MODEL	SPINDLE	SWING OVER BED	CENTER DISTANCE	SPEED	SPINDLE MOTOR	AXES MOTOR
KL-4045	6"/A2-11	39.37"(1000 mm)	59.05"(1500 mm)	5-800rpm	30 HP	2KW/1KW
KL-4080	6"/A2-11	39.37"(1000 mm)	78.74"(2000 mm)	5-800 rpm	30 HP	3KW/1KW
KL-40120	6"/A2-11	39.37"(1000 mm)	118.11"(3000 mm)	5-800 rpm	30 HP	3KW/1KW
KL-40160	6"/A2-11	39.37"(1000 mm)	157.48"(4000 mm)	5-800 rpm	30 HP	3KW/1KW
KL-40200	6"/A2-11	39.37"(1000 mm)	196.85"(5000mm)	5-800 rpm	30 Hp	3KW/1KW

## **CONTROL FEATURES:**

### **HARDWARE:**

- 15" COLOR VGA LCD SCREEN
- X & Z DEDICATED JOG BUTTONS
- USER FRIENDLY CONTROLS
- COOLANT FUNCTIONS
- SPINDLE & BRAKE FUNCTIONS
- PC BASED
- PC STYLE SEALED FULL FEATURE KEYBOARD
- DIGITAL AC SERVO DRIVES AND MOTORS
- 1GB SOLID STATE HARD DRIVE
- USB 2
- RS-232, MOUSE & PARALLEL PORTS

### **SOFTWARE:**

- PC BASED TECHNOLOGY, SOFTWARE UPDATEABLE & HIGH SPEED BLOCK THROUGHPUT
- CONVENTIONAL PROGRAMMING
- TOOL PATH GRAPHICS, TURNING CYCLES, GROOVING CYCLES, DRILLING CYCLES, TAPPING CYCLES, CUTOFF CYCLE, THREADING CYCLES, STOCK REMOVAL CYCLES, POSITION LINE AND ARC EVENTS, INTEGRATED TOOL LIBRARY, RUN TIME ESTIMATES GRAPHICAL MATH HELP & AUTOMATIC CORNER RADIUS.
- G-CODES & FULL M-FUNCTION CONTROL
- TOOL FUNCTIONS, TOOL COMPENSATION
- PART PROGRAM STORAGE AND EDITING • PROGRAM STORAGE, FULL SCREEN UNLIMITED FILE SIZE TEXT EDITOR, READ/WRITE TO FLOPPY DISK, SAVE PROGRAMS VIA COM PORTS.
- AXIS CONTROL • CONSTANT SURFACE SPEED CONTROL, HIGH SPEED CONTOURING, BACKLASH COMPENSATION, PITCH ERROR COMPENSATION, LEAST INPUT INCREMENT OF .0001", 2000 LINE LOOKAHEAD ACCEL/DECEL, QUADRATURE ENCODER INTERFACE.
- FEED FUNCTION • RAPID TRAVERSE, RAPID TRAVERSE OVERRIDE JOG PANEL KEY SELECTABLE, RAPID TRAVERSE AUTOMATIC ACCEL/DECEL, FEEDRATE OVERRIDE 2 TO 200% VARIABLE.
- UTILITIES • FORMAT FLOPPY COMMAND, BACKUP DATA & SYST. FILES, RESTORE DATA & SYST. FILES IMPORT/EXPORT, DRAG PLOT, PLC AND SYSTEM DIAGNOSTICS & MOTOR TEMPERATURE ESTIMATING.

**\*\* WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE \*\***

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