

**AHS MACHINERY**  
SERVICE & SALES, INC.  
TYLERSPORT, PA (215) 257-0571

## **LATHE RETROFIT PACKAGES**

### *J&L LATHE RETROFIT PACKAGES*



These packages are designed to retrofit Jones & Lamson A, B, C & D size lathe models currently equipped with NC or CNC controls. The packages are completely pre-engineered and field proven, *control only* retrofit; designed to be installed in approximately 40-hours at the your location.

Note: This promotion is not endorsed by, or connected with Jones & Lamson Machine Tool Company.

## **INCLUDED IN THE PACKAGE:**

- DynaPath 50T control with all the standard features-
  - 192K Ram Storage
  - 3.5" Floppy Disk Drive
  - 1Gb (Minimum) Hard Disk
  - Interactive Programming Help Screens
- PLUS
  - 14" Monochrome CRT
  - Additional I/O
  - Electronic Handwheel
- Custom Operator Panel, Pre-wired
- NEMA 12 Operator Control Cabinet, Pre-Fabricated for the Operator Panel and 14" CRT.
- Pre-Assembled cables for interfacing panels
- encoders/converters for the Axes & Spindle\* & Turrets\*\*.
- Pre-Assembled and Pre-Wired panel mount for CPU; with simple terminal strip connections for existing machine I/O wiring.
- Electronic Handwheel with .0001" thru .01" pulse resolution. Pre-mounted and wired. (2nd Handwheel Optional)
- Field-tested Operational Software. Parameters are preset for your machine.
- All required wire/cable; including new shielded cable for axis feedback, and cable connection hardware.
- **Complete Documentation:**
  - Installation Instructions
  - Operator/Programmer Manual
  - Maintenance Manuals:
    - Hardware Descriptions
    - Parameter information
    - Schematics
    - Software ladder listing
    - Operation Flow Charts
    - Troubleshooting guide

\* Machine must currently have Threading Option installed

\*\* A-Line or Delta model lathes only

## **FEATURES & BENEFITS**

### **Improved Productivity:**

Faster set-ups with automatic tool compensation entry, “Plain-English” menu selection screens, the Electronic Handwheel, and Tool Data Tables (Offsets, Cutter Comp. & Feedrate Overrides).

Stored “SAFE ZONES” protect Chuck and Tailstock.

Tool Check Cycle simplifies insert changes

Use either conventional EIA/ISO codes or DynaPath’s menu-driven conversational programming (even mix the two).

View your tool path as a wireframe; (before you move any axis or during actual machining).

Powerful Program Events: TAPER, THREAD, GROOVE, PECK-DRILL, TAPPING.

Roughing & Finishing Cycles, utilizing Material Data Tables.

Subroutine programming.

Outputs have been pre-defined to activate external signals:

Alarm buzzer or lamps for Faults or Program Stops.

### **Improved Reliability:**

Industrial PC Motherboard with 486 CPU.

One Year Warranty on all electrical components.

Fewer parts and standardized electrical hardware; means low maintenance costs and better support - now and in the future.

Flash memory for Exec. Program means software upgrades can be easily installed in the field.

Battery back-up is measured in years not hours.

Complete & thorough Documentation, Flow charts and Ladder diagrams aid in Troubleshooting.