

AHS MACHINERY

SERVICE & SALES

INC.

TYLERSPORT, PA (215) 257-0571

LATHE RETROFIT PACKAGES

W&S^o LATHE RETROFIT PACKAGES



These packages are designed to retrofit Warner & Swasey 1SC & 2SC size lathe models currently equipped with NC or CNC controls. The packages are completely pre-engineered *control only* retrofit; designed to be installed in approximately 40-hours at the your location.

INCLUDED IN THE PACKAGE:

- DynaPath 2000T control with all the standard features-
 - 12" Color Flat-screen Display
 - 448K Ram Storage
 - 3.5" Floppy Disk Drive
 - 2GB (Minimum) Hard Disk
 - Interactive Programming Help Screens
- PLUS
 - Electronic Handwheel
- Custom Operator Panel, Engraved Legends for durability, Pre-wired
- NEMA 12 Operator Control Cabinet, Pre-Fabricated for the 12" Graphics Display Unit. Mounted on an overhead swivel arm.
- Pre-Assembled cables for interfacing panels
- Encoder for the Turret Position*.
- Encoders/converters for the Axes & Spindle** .
- 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.
- Field-tested Operational Software.
- 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

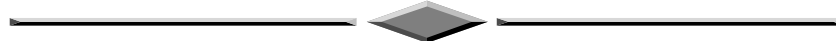
Parameter information

Schematics

Software ladder listing

Operation Flow Charts

Troubleshooting guide



* Replaces position potentiometers

** Machine must currently have Threading Option installed

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).

Direct RPM programming, spindle speed codes no longer required.

GRAPHIC DISPLAY: 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.

Control cabinet removal opens floor space for improved stock movement.

Improved Reliability:

Industrial PC Motherboard with 586 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.

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.

AHS INSTALLED

BUDGETARY PRICING:

STANDARD PACKAGE: †

AHS Installed List

NC & CNC models with Encoder Feedback	\$29,795.00
NC & CNC models with Resolver Feedback	\$30,960.00

† Standard package does not include support for Optional Machine Features such as Load Meters, Barfeed, Steadyrest, Auxiliary Tool, Tool Probes, Power Wrench or Programmable Part catcher. These items may be incorporated on a individual machine pricing basis.

OPTIONS:

MACRO PROGRAMMING with variables	\$ 715.00
PROBING INTERFACE	\$ 930.00
MEMORY EXPANSION TO 896K	\$ 495.00

Additional charges for travel and living expenses will be applied for installations over 75 miles from Tylersport, PA, based on current published Field Service Charges.

Installation includes removal of old control from machine, routing of new encoder wiring, installation of new control and axis encoders, modification of PLC ladder for any special machine features (if required), complete de-bug & testing, operator & maintenance training.



Exact Price will be determined only after review of machine, site and customers documentation. A formal Thirty-Day Quote will be generated for approval.

FREIGHT: All prices quoted F.O.B. Factory

Standard Terms & Conditions: 20% with Order, 60% when material is delivered to site (approximately 6 weeks from order), Balance Net 30 from delivery.