

# AHS MACHINERY

SERVICE & SALES, INC.

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## VMC RETROFIT PACKAGE FOR BROWN & SHARPE MILLS



This package has been designed by AHS Machinery Service to retrofit Brown & Sharpe VMC models 1000,1500 and 2000 currently equipped with Bendix Dynapath A5M or GE controls utilizing a boom mounted Pendant Operator Panel. The package is a proven, completely engineered, control-only retrofit; designed to be a “Turn-Key” package installed by our technicians in under 40-hours at the customer’s location.

Note: This promotion is not endorsed by, or connected with Brown & Sharpe Machine

## INCLUDED IN THE PACKAGE

- Dynapath Delta 2000M control with 12" Color LCD Display
  - 2.1 GB Hard Drive
  - 3.5" Floppy Disk Drive
  - Serial Port
  - Graphic Display of tool path
  - Conversational Programming with Calc-Assist package
- Custom Operator Panel with Industrial Grade Switches
- NEMA 12 Pendant
- Pre-Assemble cables
- (3) resolver/encoder converters
- Pre-Assembled and Pre-Wired panel mount for CPU, with Terminal Strip connections for existing machine I/O wiring
- Electronic Handwheel with .0001" through .01" pulse resolution. Mounted on "walk-around" pendant with 12' coil-cord.
- Field-tested Operational Software
- All required wire/cable and connection hardware

## FEATURES & BENEFITS

### Improved Productivity:

Faster Set-ups with automatic tool compensation entry. "Plain-English" menu selection screens, and Pulse Handwheel.

Spindle "FREE" mode allows operator to rotate spindle manually for edge-detection or sweeping holes.

Outputs have been pre-defined to activate external signals:

Alarm Buzzer or Lamp for Faults or Program Stop.

Seven "M-codes" to control external devices

Fourth Axis option provides interface and control to support either rotary-contouring or indexing axis.

Conventional Z-axis Polarity improves operator familiarity.

Use either conventional EIA/ISO codes or Dynapath's menu-driven conversational programming (even mix the two). Interactive Help Screen displays assist in programming.

Powerful Program events: Bolt-Circle, Frame Mill, Pocket Mill, Circle or Arc Mill.

Cutter Compensation with lead-in, out.

Sub-routine programming

Calc-Assist

View your tool path as a 3-dimensional wire-frame, (before you move any axis or during actual machining.)

### Improved Reliability:

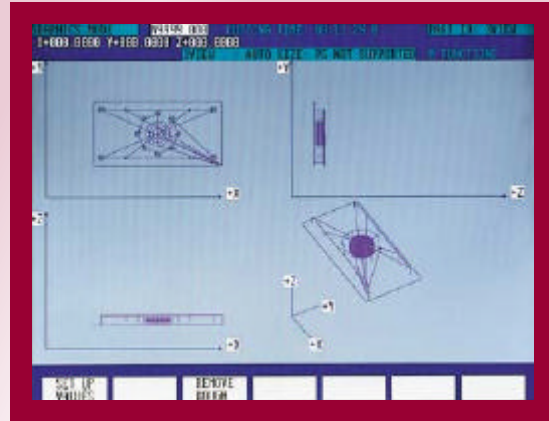
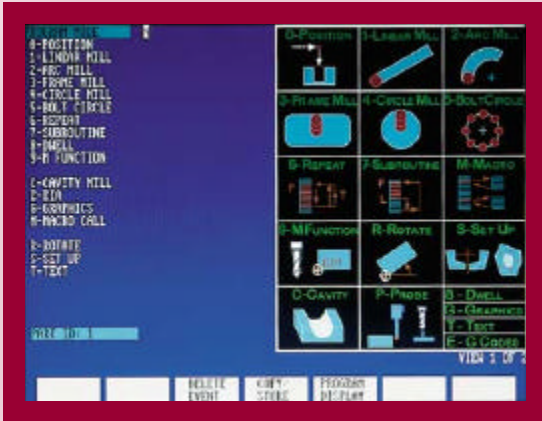
Industrial PC motherboard with 586 CPU

One Year Warranty on all Hardware

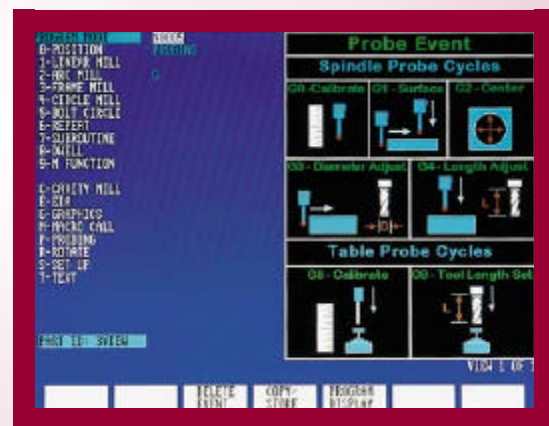
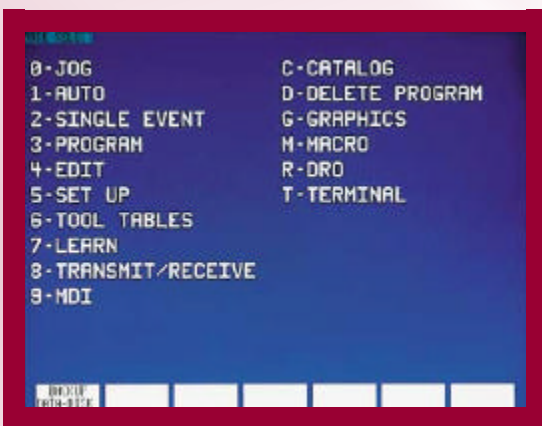
Fewer components and standardized electrical hardware, means low maintenance cost and better support – now and in the future.

Complete & Thorough Documentation: Operator/Programmer manuals, Schematics, Ladder Diagrams, Hardware Descriptions and Fault Lists.

## TYPICAL DISPLAY SCREENS



Control Operation has never been easier; “event type” programming, coupled with interactive help screens and tool path plotting, allow the operator to produce parts faster and with less error.



Why suffer with your existing control’s costly repairs and downtime. This package can be installed on your machine, at your site, in less than one week\*. The sooner you order, the sooner you can turn your VMC into the reliable “money-maker” it should be.

\* Normal lead time from order to delivery, 4~6 weeks