



# FACTORY OUTLET

A DIVISION OF MACHINING TIME SAVERS, INC.



Proper maintenance is important to protect your investment in Haas machine tools. To help you keep your Haas in top condition, we offer an annual PM inspection service, so you'll know if any serious problems are developing. With this option, you'll get the annual inspection to have the confidence that your machine is in top operating condition. However, you will be responsible for the cost of any repairs that are necessary. Please see below what's included.

## Mechanical System

- Check machine level
- Verify spindle sweep
- Check gear-shift operation\*
- Check spindle lube and air blast
- Check spindle-operation alignment
- Check shot pin operation\*
- Change gearbox oil\*
- Inspect drive belt
- Inspect and adjust tool changer system
- Inspect spindle taper conditions
- Inspect way covers and wipers
- Inspect rigid-tap encoder operation\*
- Check tool change operation
- Clean/lubricate tool changer
- Inspect counterbalance system
- Inspect lines, hoses & cables

## Way Lube System

- Clean filters
- Inspect lines and fitting
- Check operation
- Verify lube/pump operation

## Coolant System

- Remove/check pump and motor

## Electrical System

- Clean electrical cabinet
- Check voltages
- Inspect connections/terminals
- Inspect tool change relays
- Inspect grounds
- Check limit switches/safety locks
- Clean brush dust\*

## Air System

- Clean filters
- Check pressure/adjust regulator
- Inspect system for leaks

## Lathe Only

- Verify turret/spindle alignment

## Optional Special Services

- Ball Bar Calibration - tests circularity and verifies the positioning accuracy
- Vibration Analyzer - verifies machine vibration against established criteria

Contact us at (714) 517-8080 or [service@mtscnc.com](mailto:service@mtscnc.com) for pricing

\* Only if applicable

Starting at **\$1,295.00**