

PREVENTIVE MAINTENANCE PROGRAM

Your Haas CNC machine tools are designed and engineered to produce high quality, precision parts reliably and efficiently. In order to maintain optimal levels of performance on these machines, it's important to schedule routine maintenance, which is best performed by the experienced professionals at your local Haas Factory Outlet.

Our Preventive Maintenance Program has been developed by experts, with more than 20 years supporting Haas CNC machine tools in the field.

Preventive Maintenance Program Benefits:

- ⚙ Performed by experienced Haas Factory Outlet technicians, dedicated exclusively to servicing Haas equipment
- ⚙ The inner workings of your Haas machine are cleaned, well lubricated, and inspected to ensure they are in excellent working condition
- ⚙ Potential problems are discovered before they develop into larger, more costly repairs that may result in extended down time
- ⚙ A sound investment in your Haas machines that will pay for itself in both the short and long term

We Offer 2 Packages:

PM Comprehensive: All systems are checked and found conditions detailed giving you a complete picture of your machine's state of well-being. The process can take between 1-2 days depending upon the machine complexity.

PM Lite: A condensed version of our comprehensive PM program. The PM Lite is designed for time-sensitive schedules or the shop on a budget as only the most critical system components are checked. Please contact us for complete details.

Preventive Inspections

Mechanical system:

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

Electrical System:

- Clean electrical cabinet
- Check voltages
- Inspect connections/terminals
- Check tool-changer relays
- Inspect electrical-ground connections
- Check fan filter
- Check limit switches/safety locks
- Inspect motor brushes, remove dust

Way Lube/Grease System:

- Check filters
- Inspect lines and fittings
- Check operation
- Verify lube pump operation
- Verify grease pump operation
- Cambox oil change, where applicable

Coolant System:

- Remove/check pump & motor
- Check condition of hoses
- Check filters
- Check for leaks
- P-cool operation

Air System:

- Check filters
- Check pressure/Adjust regulator
- Inspect system for leaks

Lathes:

- Verify turret/spindle alignment
- Verify tailstock alignment**



*only applies to machines with optional 2-speed gearbox

**only applies to machines with optional tailstock

Optional Diagnostics

Ball Bar Test:

A simple, rapid check of a CNC machine tool's positioning performance to recognized international standards.



Laser Calibration:

The ultimate in high performance measurement and calibration for machine tools positioning accuracy and repeatability.



Vibration Analyzer:

Measures and records machine vibration characteristics within the drive system.

- ⚙ Verifies machine vibration against established criteria.
- ⚙ Isolates potential problems while still manageable.
- ⚙ Use as a benchmark for future vibration test to plot machine wear over time.

Through Spindle Coolant Maintenance:

Check pre-charge pressure, hoses, pressure at pump, seal housing, and filters.

Vertical Pallet Changer Maintenance:

Check for wear on rollers, status of switches, alignment to machine, condition of bumpers, and remote operator panel.

Haas Bar Feeder:

Check alignment, switches, and repeatability.