



# Haas Factory Outlet

A Division of Lance Company

## PREVENTATIVE MAINTENANCE PROGRAM

We are pleased to offer Haas customers a comprehensive Preventive Maintenance Program carried out by our Haas Factory Certified Service Engineers. Protect your Haas investment and maximize your productivity by utilizing locally available Haas factory-certified professionals to keep your machine in the best possible condition. The following items indicate the many key points addressed at every preventive inspection:

### 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  
 Check backlash in X, Y and Z-axis  
 Inspect drive belt  
 Inspect and adjust tool changer system  
 Inspect spindle taper condition  
 Inspect way cover wipers  
 Check draw bar height  
 Inspect rigid tap encoder operation\*  
 Check tool change operation  
 Clean/lubricate tool changer  
 Inspect counterbalance system  
 Inspect lines, hoses and cables

### Way Lube System

Clean filters  
 Inspect lines and fittings  
 Check operation  
 Verify lube/pump operation

### Coolant System

Remove/check pump and motor

### Air System

Replace filters  
 Check pressure/adjust regulator  
 Inspect system for leaks

### Electrical System

Check voltages  
 Inspect connections/terminals  
 Replace tool change relays  
 Inspect grounds

Check limit switches/safety locks  
 Clean brush dust\*

### 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.

**Dynometer Test** – Test Drawbar pull force.

\* If applicable

Model	Price per Machine	Optional Services	
Mini Mill to VF4 & VM Series .....	\$ 1095.00	<i>When done at same time as PM.</i>	
VF-APC Series.....	\$ 1495.00	Recharge Counterbalance .....	\$ 100.00
TR Series.....	\$1095.00	Renishaw Ball Bar Calibration .....	\$ 295.00
VF5 to VF11 & VR Series .....	\$1195.00	Vibration Analyzer Test .....	\$ 295.00
TL15/25.....	\$1195.00	Dynometer Test .....	\$ 250.00
GR Series .....	\$1095.00		
SL-10 to SL40 .....	\$1095.00		
VS1, VS3, EC-1600, 2000 & 3000 .....	\$1495.00		
HS-1, HS-2, EC300-500 & MDC Series...	\$1195.00		

Any additional service, repairs and parts for repairs must be scheduled and will be subject to our standard service rates.

The above rates for the PM Program include travel.

- ∞ The cost of this program is on a per visit basis (see the price list on front page).
- ∞ The cost does not include any additional parts, labor or shipping cost that may be incurred for actual repairs. If any repairs are necessary the customer will be advised in advance for the issuance of a purchase order to cover parts and labor.
- ∞ PM's are scheduled in advance by the Haas Factory Outlet.
- ∞ It is recommended that PM be performed every 1000 hours of run time.
- ∞ Customer to dispose of all fluids.
- ∞ All chips must be removed prior to service.
- ∞ All fixtures and tooling are to be removed by customer prior to service. If not removed, the items that can not be completed will be noted and the service will be considered completed.
- ∞ The service performed does not guarantee the machine will not require service in the future. Warranty is neither implied nor will it be upheld. There is no warranty against future machine failures.

**Customer Acceptance:**

Company Name \_\_\_\_\_

Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Customer contact for scheduling service: \_\_\_\_\_

Machine Model \_\_\_\_\_  
 Machine Serial # \_\_\_\_\_

PM frequency \_\_\_\_\_ visits per year.  
 PM contract will be reissued for renewal on an annual basis. Payment terms – Net 30 days from completion of PM.

Total \$ \_\_\_\_\_

Purchase Order Number: \_\_\_\_\_

\_\_\_\_\_  
 Authorized Signature

\_\_\_\_\_  
 Date

**Please fill out, sign, and return via e-mail or fax.**  
**Fax to “HFO Service Department” at 215-245-6180**  
**E-mail to: [service@lanceco.com](mailto:service@lanceco.com)**

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[www.lanceco.com](http://www.lanceco.com) or [www.haascnc.com](http://www.haascnc.com)