

Haas Preventive Maintenance Inspection

Your local Haas Factory Outlet now has 4 options from which to choose!

- Level 1 PM Inspection- General overview
- Level 2 PM Inspection- More detailed inspection
- Level 3 PM Inspection- Comprehensive inspection
- Level 4 PM Inspection- Comprehensive inspection with oil/filter replacement, vibration analyzer and ball bar plots.

Schedule your preventive maintenance today so your machine will be up and running when you most need it!	Level 1 Inspection	Level 2 PM Inspection	Level 3 PM Inspection	Level 4 PM Inspection
Make note of all installed options	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check machine level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check AC power	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check high voltage DC power	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check low voltage DC power	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
General condition of lube system (pressure decay or diagnostic test)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check condition of compressed air	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check backlash for all axes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection of axes motors, spindle motors and visible couplings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection and general condition of encoder belt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection and general condition of spindle belt(s), if applicable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection and general condition of spindle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection and general condition of transmission	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection and general condition of ball screws and linear guides	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visual inspection and general condition of way covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check counterbalance pressure, if applicable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check processor battery voltage (non-coin type)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check USB/ floppy function		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coolant system pressure test		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check tool pushout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic tool changer alignment		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spindle orientation check		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tool change height check		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calibrate probing system		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check the electrical cabinet cooling fans		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check spindle cooling fans		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visually inspect and ohm regen resistor assembly		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check turret centerline		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check tailstock centerline		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check pre-charge regulator pressure and adjust if necessary		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Measure drawbar force		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check electrical connections in cabinet		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check electrical connections at motors		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect double arm for straightness and damage (SMTC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grease double arm plungers (SMTC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect tool carousel belt (SMTC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect cam box belt (SMTC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visually inspect tool carousel pockets (SMTC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect the shuttle motor brushes (Umbrella style TC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect the tool carousel motor brushes (Umbrella style TC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect tool carousel sensors (Umbrella style TC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect shuttle sensors (Umbrella style TC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect tool carousel trap doors (Umbrella style TC only)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect coolant hoses for cracking			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verify the TSC auto clean system is functioning properly			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inspect counterbalance hoses for cracking			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Clean vector drive vents and filter if applicable			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check the OMP40 (spindle probe) battery voltage			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check the OTS (optical tool setter) probe battery voltage			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Clean and lubricate the spindle taper			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grease the drawbar ball bearings			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Change transmission oil				<input checked="" type="checkbox"/>
Change lube system oil				<input checked="" type="checkbox"/>
Change hydraulic oil (10 gallon max)				<input checked="" type="checkbox"/>
Change coolant filter(s)				<input checked="" type="checkbox"/>
Change hydraulic filter				<input checked="" type="checkbox"/>
Change electrical cabinet filter				<input checked="" type="checkbox"/>
Change transmission filter				<input checked="" type="checkbox"/>
Run and record ball-bar plot				<input checked="" type="checkbox"/>
Run and record vibration analyzer plots				<input checked="" type="checkbox"/>
Test spindle and axis motors with megohm meter				<input checked="" type="checkbox"/>
Grease the spindle chuck				<input checked="" type="checkbox"/>
Add oil to reservoir, if applicable				<input checked="" type="checkbox"/>

Haas Preventive Maintenance Inspection Pricing

Level 1 PM Inspection- General overview			
Small / Medium Mill	\$ 995.00	Small / Med Lathe	\$ 995.00
Large Mill	\$ 1,195.00	Large Lathe	\$ 1,095.00

Level 2 PM Inspection- More detailed inspection			
Small / Medium Mill	\$ 1,895.00	Small / Med Lathe	\$ 2,395.00
Large Mill	\$ 2,295.00	Large Lathe	\$ 2,495.00

Level 3 PM Inspection- Comprehensive inspection			
Small / Medium Mill	\$ 3,095.00	Small / Med Lathe	\$ 2,695.00
Large Mill	\$ 3,295.00	Large Lathe	\$ 2,795.00

Level 4 PM Inspection- Comprehensive inspection with oil/filter replacement*, vibration analyzer and ball bar plots.			
Small / Medium Mill	\$ 4,695.00	Small / Med Lathe	\$ 5,795.00
Large Mill	\$ 4,995.00	Large Lathe	\$ 5,895.00

**Add a transmission oil/filter change to a level 1, 2 or 3 PM inspections for \$425.00 for mills or \$650.00 for lathes. Add vibration analyzer or ball bar test for \$450.00 each.

Machine Sizing chart	Small	Medium	Large
If your machine is not listed below, please call 281-355-9220, option 2			
Chucker Lathe (CL)	<input checked="" type="checkbox"/>		
Compact Mill (CM)	<input checked="" type="checkbox"/>		
Drill Mill (DM)	<input checked="" type="checkbox"/>		
Drill Tap (DT)	<input checked="" type="checkbox"/>		
GT Lathe	<input checked="" type="checkbox"/>		
MiniLathe (ML)	<input checked="" type="checkbox"/>		
MiniMill and Super MiniMill (MM and SMM)	<input checked="" type="checkbox"/>		
Office Mill (OM)	<input checked="" type="checkbox"/>		
Office Lathe (OL)	<input checked="" type="checkbox"/>		
SL10 through SL25	<input checked="" type="checkbox"/>		
ST10 through ST 25	<input checked="" type="checkbox"/>		
Toolroom Lathe (TL1, TL2)	<input checked="" type="checkbox"/>		
Toolroom Mill (TM)	<input checked="" type="checkbox"/>		
EC-400 Horizontal machining center		<input checked="" type="checkbox"/>	
ES5 Horizontal machining center		<input checked="" type="checkbox"/>	
Gantry Mill (GM)		<input checked="" type="checkbox"/>	
Gantry Router (GR)		<input checked="" type="checkbox"/>	
HS1 Horizontal machining center		<input checked="" type="checkbox"/>	
SL 30, SL 35		<input checked="" type="checkbox"/>	
ST 30, ST 35		<input checked="" type="checkbox"/>	
TL-3, TL3B		<input checked="" type="checkbox"/>	
VF-1, VF-2		<input checked="" type="checkbox"/>	
VM-2 Vertical mold maker		<input checked="" type="checkbox"/>	
EC-1600			<input checked="" type="checkbox"/>
HS-2			<input checked="" type="checkbox"/>
SL 40 and larger			<input checked="" type="checkbox"/>
ST 40 and larger			<input checked="" type="checkbox"/>
TL4			<input checked="" type="checkbox"/>
UMC Series			<input checked="" type="checkbox"/>
VF-3 and larger			<input checked="" type="checkbox"/>
VM-3 and larger			<input checked="" type="checkbox"/>
VR Series			<input checked="" type="checkbox"/>
VS Series			<input checked="" type="checkbox"/>

For more information or to schedule your preventive maintenance inspection, call 281-355-8665 or e-mail request to service@championscnc.com. If not local to the Houston area, feel free to use our Texas toll free number at 800-375-5673.

Champions Machine Tool Sales and Haas Factory Outlet reserve the right to refuse service if said representative finds unsafe conditions in work area or environment. Preventive maintenance inspection is intended to expose potential service issues. When found, it is the clients responsibility to schedule with HFO service department. These items WILL NOT be addressed at time of PM other than notification of issue to clients supervisor. The inspection does not include machine cleaning. PM pricing is only valid for those shops located within a 100 mile radius of Spring, TX and the Buda, TX HFO locations. Travel and expenses for out of local radius will be billed. Client is responsible for removing all tools and workholding prior to technicians arrival for service. Client is responsible for disposal of all waste from service. Prices are subject to change, authorization will be required prior to service beginning.