

An Ounce of  
Prevention  
is Worth 7,100  
Pounds of  
Cure.



# PREVENTIVE MAINTENANCE For your Haas Machines

**Things you can do between Preventive Maintenance visits to help extend the life of your machine and keep it in smooth running condition:**

- ✓ Perform a visual check of the entire machine.
- ✓ Get to know your machine by referring to the maintenance section of your operator's manual.
- ✓ Check the hydraulic unit and lubrication tank daily to see that the pressure and fluid levels are correct.
- ✓ Check the air regulator and make sure the air pressure is correct and that there is no moisture in the lines.
- ✓ Clean chips out of the machine daily, and check for areas where chips may collect and compact.
- ✓ Check coolant daily and maintain the correct coolant level. Proper coolant mixture and cleanliness improve the machining operation; clean chips from the coolant tank regularly.
- ✓ Periodically check the hoses, belts, tool changer and way covers for signs of wear or malfunction.



**Productivity Inc.**  
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Productivity Inc.®

# PREVENTIVE MAINTENANCE For your Haas Machines



**Glenn  
Miller**  
*Preventive  
Maintenance  
Manager*





# PREVENTIVE MAINTENANCE



“Over time, Productivity’s Preventive Maintenance Service pays for itself”

See how you can benefit from Productivity Inc’s Preventive Maintenance Service:

It’s the difference between a smooth running machine and a 3.5 ton paperweight sitting on your shop floor. With Productivity Inc’s Preventive Maintenance Service you can detect problems before costly damage and down-time occur. Our factory-certified Service Technicians keep your machines in top working order so you can do what you do best — make money!



- Flexible service levels and costs for the coverage you need; Productivity will tailor a service program that fits YOUR needs and budget
- Productivity manages your tailored service plan so that you don’t have to — by providing dedicated personnel, easy scheduling and annual service reminders
- Service is available on a wide range of machines, even if not purchased from Productivity
- Service is performed by courteous, knowledgeable, factory-certified Service Technicians
- Technicians arrive with tools and parts to get the job done the first time, and clean up once the job is done
- Gives you piece of mind that your machine is well adjusted and operating in top condition

**Get a Quote!**

Call 763-745-1161 or Email at [pm@productivity.com](mailto:pm@productivity.com)

Contact Productivity for a customized assessment of your needs, and learn more about how our Preventive Maintenance Service can keep your machines in top running condition!



The standard service includes a thorough inspection of your machine’s key components and mechanical systems. The following is a list of some of the services that will be performed during a Productivity Preventive Maintenance inspection:

#### Mechanical System

- ✓ Check machine level
- ✓ Verify spindle sweep
- ✓ Check gear shift operation\*
- ✓ Check spindle orientation alignment
- ✓ Change gearbox oil
- ✓ Inspect drive belt
- ✓ Inspect and adjust tool changer system
- ✓ Inspect spindle taper condition
- ✓ Inspect way cover wipers
- ✓ Check tool change operation
- ✓ Clean/lubricate tool changer
- ✓ Inspect counterbalance system
- ✓ Check & adjust X, Y, Z backlash
- ✓ Inspect lines, hoses and cables

#### Way Lube System

- ✓ Clean filters
- ✓ Inspect lines and fittings
- ✓ Verify lube/pump operation

#### Coolant System

- ✓ Operation check of pump and motor
- ✓ TSC Systems\*

#### Air System

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

#### Electrical System

- ✓ Clean electrical cabinet
- ✓ Check voltages
- ✓ Inspect connections/terminal
- ✓ Inspect grounds
- ✓ Replace or clean fan filter
- ✓ Check limit switches/safety locks
- ✓ Check motor brushes\*
- ✓ Keypad operation
- ✓ Check all fans

#### Lathe Only

- ✓ Verify turret/spindle alignment

#### Optional Special Services:

- ✓ **Ball Bar Analysis** - Tests circularity and verifies the positioning accuracy and repeatability of your machine tool.
- ✓ **Vibration Analyzer**- Measures and records machine vibration characteristics within the drive system. Verifies machine vibration against established criteria. Use as a benchmark for future tests.

\* Where applicable



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