

Spindle Ordering and Maintenance Tips

The Importance of Preventative Maintenance

We all know that our spindles won't last forever, but given proper care they can last a lot longer. While it is best to leave major repairs to the experts, there are several preventative steps an operator can take to lengthen spindle life. The schedule below is an outline of suggested actions and when to do them:

Daily

- Wipe down spindle with clean rag. If using air avoid direct high-pressure spray on the spindle nose and be sure spindle is running with air purge operating to protect the spindle from flying debris. Always wear safety glasses while performing this step
- Clean the taper
- Lubricate drawbar collet

Weekly

- Check air pressure
- Check oil levels
- Check water separator and filters
- Check rotary union for general condition
- Check motor manually for smooth run and vibration free operation

Monthly

- Check filters for contamination
- Check coolant is at acceptable level & proper mixture
- Check hoses for consistency and general condition

Every 3 – 6 Months

- Perform run-in procedures on spare spindles to prevent damage from inactivity

Every 6 Months or Every 2,000 Hours of Operation

- Install new air filter
- Install new filter for oil-water separator
- Install new filter for motor cooling circuit

Remember that not all the steps listed above will apply to all spindles. Also remember that additional maintenance may be required if your spindle is equipped with a drawbar system or additional cooling system. As mentioned earlier, you should leave all serious repairs to the trained professionals at Dynamax, but these preventative measures will help to minimize downtime and increase profitability for your machine spindle assemblies.

If your spindle is still covered under the original Dynamax 1 year warranty, please call us at 847.680.8833 prior to performing any maintenance above and beyond the items listed, as it may affect warranty status. All maintenance should be performed on stopped machines (unless cleaning spindle with high-pressure spray, then read above) with all moving parts in the secure position. Dynamax, Inc. cannot be liable for any on-site maintenance or troubleshooting actions.