

# LEGACY MACHINE MAINTENANCE

- **Maverick 4x8 & 4x4 ATC Systems**
  - **Renegade ATC Systems**
  - **Rogue ATC Systems**
  - **Gemini ATC Systems**
  - **Artisan II ATC Systems**

## Daily Maintenance

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### CNC

- ☐ Clear the machine of dust and debris
- ☐ Clear the X-Axis, and Y-Axis racks of any debris

### Air Pressure

- ☐ Inspect the CNC air regulators for water

### Tool Holders

- ☐ Wipe and clear any debris from top cone section of used tool holders
- ☐ Disassemble, Clean & Protect the bottom section of used tool holders with Dynaglide

### Collet

- ☐ Clean & Protect used collets with Dynaglide

### Cutters

- ☐ Clean used cutters to remove built-up pitch
- ☐ Hone cutter edge with wet diamond stone (Flat Face Cutters Only)
- ☐ Apply Dynaglide to protect cutting edges

### ATC Spindle

- ☐ Run the "Warm Up Spindle" routine before applying load to the spindle
- ☐ Run the "Cool Down Spindle" program if spindle will be idle for longer than 30 minutes

## Weekly Maintenance

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### CNC

- ☐ Wipe down X-Axis, Y-Axis, and Z-Axis Profile Rails to clean off any debris / grease and inspect the profile rails for rust & contamination
- ☐ Apply a coat of Dynaglide onto the X-Axis, Y-Axis, and Z-Axis profile rails
- ☐ Apply a coat of Dynaglide onto the X-Axis, and Y-Axis racks
- ☐ Clean Dust Filters
- ☐ Check for backlash in the X-Axis, and Y-Axis drives

### Bearings with Zert Fittings

- ☐ Insert 1-2 pumps of Shell Gadus grease into all thirteen Profile Bearings

### Tool Holders

- ☐ Ensure that the pull studs on the top of all tool holders are tight
- ☐ Apply a coat of Dry PTFE Lube to the top cone section of used tool holders

### ATC Spindle

- ☐ Wipe a thin coat of Dry PTFE Lube to the inside of the spindle nozzle. After application wipe off any excess with a new rag

**WARNING: NEVER BLOW OR SPRAY ANYTHING UP INTO THE SPINDLE NOZZLE**

## Long Term Maintenance

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Long term maintenance is only used if the machine is not being used for long periods of time. This will place the machine into a storage mode. To bring it out of storage mode perform a weekly maintenance.

### Machine Idle For 7+ Days

- ☐ Apply a good coat of “all purpose white lithium grease” to the X-Axis, Y-Axis, and Z-Axis Profile Rails & Racks.
- ☐ Disassemble cutters, collets & collet nuts from toolholders and apply a coat of “all purpose white lithium grease” to the toolholders and collets. Store toolholder with collet nut attached.

### If Spindle Is Idle For 180+ Days

- ☐ Run Spindle Break-In Program