LEGACY MACHINE MAINTENANCE

Maverick 3x5 & 4x8-Gen1 MTC Systems Artisan MTC Systems

- Arty & Mini Arty MTC Systems

- Explorer MTC Systems

Daily Maintenance_____

CNC

□ Clear the machine of dust and debris

□ Clear the X-Axis, and Y-Axis racks of any debris

Collet & Collet Nut

□ Clean & Protect used collets & collet nut 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

MTC Spindle

- $\hfill\square$ 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
- □ Wipe a thin coat of Dyneglide to the inside of the spindle shaft.

Weekly Maintenance_

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
- Check for backlash in the X-Axis, and Y-Axis drives

Z-Axis Ball Screw

□ Wipe on a coat of "all purpose white lithium grease" onto the z-axis ball screw. Move the z-axis to min/max a few times. Then wipe off excess grease.

MTC Liquid Cooled Spindle

□ Check coolant levels. Fill coolant if necessary

□ Check the quality of coolant. Replace coolant if necessary

Long Term Maintenance____

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 the collet & collet nut from the spindle shaft and apply a coat of "all purpose white lithium grease" to the collet and spindle shaft. Store the collet nut on the spindle shaft.

If Spindle Is Idle For 180+ Days

Run Spindle Break-In Program