

# MILL MONTHLY MAINTENANCE CHECKLIST

*This document provides a list of tasks that are recommended to be completed on a monthly basis to ensure the proper maintenance and performance of a HAAS mill can be achieved.*

## **Umbrella Tool Changer:**

- Clear off chips on top of tool changer.
- Clear chip build up on carousel plate and grease extractor fingers. Check for wear or sharp edges. *Use Mobil Grease XHP 222.*
- Check that tool doors slide easily.
- Lightly grease V-rail guide rails. Check for wear.
- Inspect the motors, mechanical sensors, and proximity sensors. Check for any frayed and damaged wires. Clear any chip build-up around the proximity sensors.
- Check that all tools are held securely.

## **Side-Mounted Tool Changer:**

- Check straightness of tool changer arm.
- Check the V-groove and finger for wear. Lightly grease the V-groove, plungers and slider cap. *Use Mobil Grease XHP 222.*
- Make sure that tools are held securely in the double arm

## **Misc. Tasks:**

- Clear off all chips from waycovers. Apply light rust preventative and spread evenly.
- Check spindle lubrication level. Refill if necessary.
- Clean vector drive air filter.
- Dredge and check cleanliness of the coolant tank.
- (Machines with Zerk Fittings)* Lubricate ballscrews and linear guides using 2 full strokes of *Mobil Grease XHP 222* at each fitting.
- Check counterbalance pressure. If less than, or 50+ PSI (3 BAR) higher than recommendation **stop operation.**

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