Mill Weekly Maintenance Checklist

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

Morning Tasks:

- ☐ Run spindle warm-up program. We recommend you put a tool holder in the spindle while running. For 10,000 RPM spindles and above, you must **always** use a balanced grade tool (balanced grade is G2.5 or better ANSI S2.19) in the spindle while the warm-up program is running.
- ☐ Check air lines for water. Depress the trigger on the air gun so any water present in the lines will be evacuated. If water issues persist, check the shop air.
- ☐ Check coolant level in control. Verify that it is in the proper operating range.
- ☐ Check air pressure in control. Verify that it is in the proper operating range.
- ☐ Check coolant concentration. Use a refractometer and verify that the concentration meets the manufacturer's specifications.

Daily Tasks:

- ☐ Check tool holders, pull studs, and tool tapers for damage. Clear off any chips on the tool taper and remove tools with rust or galling.

End of Day/Shift Tasks:

- ☐ Clear off all chips from waycovers.
- ☐ Check chip filter on top of coolant tank. Remove any excessive piles of chips present.
- ☐ If leaving machine overnight or for an extended period: Remove the tool from the spindle (if necessary). Use a rust inhibiter, such as WD 40, to clean and lubricate spindle taper. Wipe down taper with a clean, dry rag.

End of Week Tasks:

- ☐ *SMTC:* Clear off chip build up on the side-mounted tool changer arm. Check for sticky plungers or worn keys.
- ☐ *UMB:* Clear off any chips from the top of the protective cover. Check the extractor forks and keys for excessive wear or damage.
- ☐ Inspect the air regulator pressure gauge in the lube panel on your machine. Verify that it matches the reading on the control and is within the acceptable operating range.
- ☐ Check the coolant float gauge and verify that it is operating properly and the displayed reading matches the actual level in your tank.
- ☐ Check coolant concentration. Use a refractometer and verify that the concentration meets the manufacturer's specifications.
- ☐ Check the surface of the coolant tank for tramp oil. Remove any present.
- ☐ Remove chips from coolant filter.
- ☐ *(Add-on)* Check TSC filter. Replace if necessary.
- ☐ *(Add-on)* Check auxiliary filter bag. Replace if necessary.