



Maintenance Training Guide

15 Easy Steps for Preventive Maintenance on Your HAAS VMC

1. Clean chips from tool changer (50 hours of running)
2. Clean chips from way covers and bottom pan (50 hours of running)
3. Grease pull studs (50 hours of running)
4. Clean and lubricate the spindle taper (50 hours of running)
5. Inspect the tool changer cambox oil level (200 hours of running)
6. Inspect the axes grease reservoir lubrication tank level (200 hours of running)
7. Inspect way covers and lubricate (200 hours of running)
8. Clean vector drive air vents and filters (200 hours powered on)
9. Inspect the oil levels of the gearbox (200 hours powered on)
10. Clean coolant filter, replace coolant and clean coolant tank (1200 hours powered on)
11. Inspect hoses for cracking (1200 hours powered on)
12. Check probe batteries and calibration (1200 hours powered on)
13. Grease tool changer cams (2400 hours of running)
14. Replace and clean oil, oil filter and oil tanks (2400 hours of running)
15. Replace gearbox oil (2400 hours powered on)

Common Maintenance Parts

Grease & Oil:

Axis Grease Refill	93-1933
Spindle Oil	93-2220A

Filters:

Coolant Chip Tray Filter (10pcs)	30--10904
High Pressure Coolant Bag	93-9130

Probe Parts:

Ceramic Stylus (Spindle Probe)	60-0026
Disk Stylus (Table Probe)	60-0028
Stylus Holder (Table Probe)	60-0029
Link Break Protect (Table Probe)	60-0030
Extension (Table Probe)	60-0034
Probe Batteries (2 needed per probe)	99-43553