

PREVENTIVE MAINTENANCE CHECKLIST

✓ EVERY DAY

1. Check the hydraulic pressure to make sure it's at 4.5 MPa
2. Check the hydraulic fluids to make sure they're at the right operating level
3. Check to make sure the chuck pressure is at the right operating pressure and grease chuck according to manufacturer's recommendation
4. Make sure the way lube level is at the right operating level, and replenish if needed
5. If your CNC machine has a cooling system, make sure the cooling unit level is at the right operating level
6. Clean the chips out of the chip pan
7. Clean off the window of the door and the light so you can see inside your machine
8. Wipe down any stainless steel way covers and lubricate them with hydraulic oil so they move smoothly
9. On a weekly basis (or every 40 hours) take the filter off the CNC control cabinet and clean it so air will be able to flow through for cooling

✓ EVERY THREE MONTHS (or 500 hours)

1. Check and grease the chain on the chip conveyor
2. Check and clean the filters on the coolant tank

NEXT QUARTERLY MAINTENANCE DUE:

✓ EVERY SIX MONTHS (or 1,000 hours)

Contact your local distributor to have the following PM performed by a **certified Okuma Engineer**:

1. Have the coolant tank cleaned of sludge, chips, and oil
2. Have the chuck and jaws taken off the machine and cleaned
3. Have the hydraulic tank drained and replace the hydraulic oil with fresh hydraulic oil—also have the line filter and suction filter changed
4. Have the radiator cleaned and make sure the radiator fins are straight
5. Have the lubrication unit drained and cleaned out—then add fresh way lube
6. If your machine is equipped with a cooling unit, have the unit drained and refilled
7. Have the leveling of your machine checked and adjust if necessary
8. Have all way wipers inspected for any damage—clean and replace any wipers that are damaged

NEXT BIENNIAL MAINTENANCE DUE:

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✓ ONCE A YEAR (or 2,000 hours)

Contact your **local distributor** and have the following inspected:

1. Have the headstock checked for taper
2. Have the spindle checked for radial and end play
3. Have the chuck cylinder checked for run out
4. Have the tailstock checked for taper
5. Have the turret parallelism and inclination checked
6. Have your distributor run a backlash program to check the backlash in X- and Z-axis and adjust if necessary
7. Have your distributor check the X- and Z-axis gibs and adjust if necessary

NEXT ANNUAL MAINTENANCE DUE:

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From daily care to annual maintenance, this is a handy preventive maintenance (PM) checklist to ensure your machines reach peak performance for as long as possible.

For more preventive maintenance tips, visit www.okuma.com.