

CNC Metal Mill (Tormach)

- Clean Tormach Coolant System
- Deep Clean Tormach CNC

Clean Tormach Coolant System

The coolant system on the tormach has a tank and a filter screen on it - these should be inspected and cleaned regularly so the coolant can properly flow.

Gather Materials

- 2 Buckets, can be found past the Tormach. One 5 gallon and one smaller bucket that has metal chips in it.
- Rubber gloves (found in custodial room)
- Slotted spoon / spatula (found at the CNC Plasma)

Clean the Coolant System

1. Place a 5 gal bucket on the table of the machine.
2. Power the machine on (turn the rotary switch on the right side of the machine to the ON position, and ensure the E-stop on the front of the machine is disengaged). Press Green button to power on.
3. Place the 5 gal bucket under the coolant sprayer. Turning on Mach3 and moving the table to one side may be necessary.
4. When the pump has run dry, turn the switch back to AUTO when done.
5. Turn off the machine by turning rotary switch on the right back to the original position.
6. Put on rubber gloves.
7. Scooping from the right side (near the pump) to the left to avoid packing chips into the filter screen, use the slotted spoon/spatula to scoop the chips from the bottom of the coolant tank into a maintenance bucket. Get as many chips out of the coolant tank as reasonable; it does not need to be perfectly clean.
8. Place the chips in the aluminum recycling trash can that is in the machine shop area. Some contamination of metals is unavoidable, but try to avoid introducing too much coolant into the recycling can.
9. Refill the coolant tank from the bucket you drained it into in step 3.
10. Top off the tank with fresh coolant, to nearly the top lip of the tank.
11. Return all tools to where you found them.

Deep Clean Tormach CNC

Safety

- Wear a dust mask. (If you do not have your own, disposable masks are available in the custodial room.)
- Wear safety glasses.
- Wear hearing protection.
- Wear gloves when handling chips.

Clean Tormach

1. Vacuum out the ways and the chip tray using the wet/dry vac next to the Tormach.
2. Remove any remaining visible chips from the front control panel, the coolant drain grate behind the machine, and elsewhere.
3. Clean off the keyboard, mouse, and monitor with a damp cloth.