



LASER MACHINE MANUFACTURER
MICROSTEP DISTRIBUTOR

Flushing Out the Water Cooling System (TMX)

You will need:

- An empty bucket
- A container of clean distilled or deionised water
- A towel
- A bottle brush

NOTE: This job is easier with two people.

Make sure you read through the entire set of instructions before you start.

1. Turn the laser machine and all associated accessories off.
2. Remove the cap (unscrew it) from the top of the water cooling unit.
3. Use the bottle brush to VERY GENTLY loosen any algae in the tank of the water cooler (i.e. through the spigot where the cap was secured).
WARNING: There is the potential that this step could cause your water cooling pump to seize. You can skip this step if there is not a lot of algae in the water tank or if you are uncertain, but please be aware that the algae may continue to grow if it is stuck in the tank and you may need to flush your system again in a relatively short time.
4. Around the back of your laser machine you will see where the two water hoses from your water cooler connect to your laser machine.
IMPORTANT: Make a note of which hose (IN and OUT) attaches to which spigot, as you will need to re-connect these once the flush is complete. You will need to identify both the hoses (for the next steps) and the spigots (for re-connecting after completing these instructions).
5. Put the towel underneath the position where the two water hoses connect to the laser machine.
6. Pull the IN and OUT hoses off the spigots on the laser machine.
The OUT hose needs to go into the empty bucket.
The IN hose needs to be put into the container of clean distilled/demineralised water.
7. Turn the water cooler on. Depending on your machine wiring you may need to remove the IEC mains cable (looks like a kettle lead) from where it is plugged into the laser machine and plug this into the relevant socket on the back of the water cooler, as you do not want the entire laser machine to be turned on during this process. This will start the water flow and will draw the water from the new container through the water cooler and out into the bucket.
8. When the water runs clear (or before you run out of water in the new container) turn the water cooler off.
9. Re-connect the IN and OUT hoses to the correct spigots on the laser machine.
10. Turn the laser machine on and allow it to stabilise (have the machine turned on without using it for any jobs) for >5 minutes before using the laser. This will clear any potential air bubbles out of the system.