

PERFECT LASER

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Unpacking and setting up your new PLT-3040

How to open the box and get your laser cutter going for the first time.

For help, call 011 036 6062 or 021 839 5594,
or send an email to techsupport@perfectlaser.co.za

Carefully open the crate top and front side. Remove PLT-3040 from front, and place gently on a table or level solid surface. This is a two-person operation.

Locate the air assist pump and water pump inside the packing crate. There is a small brass nozzle in the packet which must be screwed to the front of the air assist pump. Connect the air assist pump to the black tube at the back of PLT-3040. You may need to heat the tube slightly and stretch it to get it over the pump nozzle. Connect the electrical plug to the strip on the back of the PLT-3040.

There is a small brass adapter in the water pump box which must be screwed to the top of the water pump. Connect the water pump to the tube marked "Inlet" on the back of the PLT-3040, and place the water pump in a bucket of water (minimum 10 litres) which should be at the same level as the PLT-3040 or slightly lower - preferably not on the ground. Place the tube marked "Outlet" in the water container and secure it from falling out. Connect the electrical plug to the strip on the back of the PLT-3040.

Locate the blue exhaust hose and connect it over the air outlet at the rear of the PLT-3040, securing it in place with the supplied clamp. Expand the hose and lead it to a window or opening to outside.

Open the top lid of the PLT-3040, and undo and remove all the ribbons or cable ties holding the laser head and gantry bars in place.

Ensure the PLT-3040 is level.

If your premises' earth connection is good, plug in the main power lead (otherwise first secure the separate earth connection to an earth spike).

Ensure that all switches are set to "Off", and that the emergency stop button is released (rotate slightly clockwise to release). Switch on the main circuit breaker at the back of the PLT-3040, and then the other power switches on the front of the PLT-3040.

If all is good, you will hear the water pump, the air assist pump and the extraction fan. Also, the laser head will auto-locate to the top left of the PLT-3040.

Open the rear cover (over the laser tube) and ensure that there are no large air bubbles in the tube (let it run for a few minutes if there are).

Well done, you have got past the first hurdle!

