

PERFECT LASER

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Unpacking and setting up your new PLT-6040

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-6040 from front, and place gently on solid surface. Remove stand (3 pieces) from crate.

Open door on front of PLT-6040, and remove box containing accessories. Open box and remove contents. Locate packet containing wheels and bolts.

Assemble stand using included bolts. Screw wheels to bottom of stand, noting that two of the wheels have brakes - put these diagonally opposite each other, and lock the two wheels.

Gently place the PLT-6040 on the stand, locating the holes of the stand to the welded-on nuts in the base of the PLT-6040, and screw in the 4 remaining bolts.

Locate the air assist pump and water pump from the box of accessories, and connect the air assist pump to the black (thinner) tube at the back of PLT-6040. 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-6040.

Connect the water pump to the tube marked "Inlet" on the back of the PLT-6040, and place the water pump in a bucket of water (minimum 10 litres) which should be at the same level as the PLT-6040 or slightly lower - 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-6040.

Locate the blue extraction hose from the box of accessories, and connect it over the air outlet at the rear of the PLT-6040, securing it in place with plastic ties or a clamp. Expand the hose and lead it to a window or opening to outside.

Open the lid of the PLT-6040, and undo and remove all the ribbons holding the head and gantry bars in place. Store these for future transportation of the PLT-6040.

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 the PLT-6040 is level. If you move the PLT-6040, remember to unlock and then relock the brakes – and again ensure that the PLT-6040 is level.

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-6040, and then the other power switches on the front of the PLT-6040.

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-6040.

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!