

Extended SP-500 Install Notes

A set of quick notes to be used in conjunction with the SP-500 Install Checklist:

1. Electricity: The system requires 220V on a 15A circuit and the laser will come with a NEMA 6-20 plug so your receptacle should be of this type as well.
2. Exhaust: The laser has 2 exhaust ports that must be connected to your exhaust fan. The main exhaust port has a 3" diameter and the second port has a 2" inside diameter. The system comes with a flexible hose to connect this smaller port to your exhaust run. You will need to have a 2" inlet on your exhaust run for this to plug into.
3. The exhaust specs on the Checklist are in metric and there is an error with the pressure specs given. In imperial units, it should read 380 CFM at 8" WC. We strongly recommend using straight wall pipe and not flexible because the latter restricts the air flow greatly and can cause a build-up of exhausted material which can become a fire hazard over time.
4. Compressed Air: The system needs a supply of clean, dry air to use as the air assist gas. You will need a fairly large volume for this depending on the pressure you use for your application, so you should make sure you have a fairly large tank so the compressor isn't running constantly and can keep up. We recommend an 8 gallon tank as a minimum.
5. Computer: A PC with the minimum specs shown on Page 3 of the Checklist is required. Make sure you have CorelDRAW or another suitable design package installed.