

# 1) Location & Environmental Requirements

The VLS2.30 needs to be placed in a well-ventilated office like environment or light-duty manufacturing facility with noncondensing humidity between the temperatures of 50° F (10° C) to 95° F (35° C). An optimal temperature range of 73° F (22° C) to 77° F (25° C) is recommended for peak performance.

The VLS2.30 laser solution requires sufficient space for ventilation beyond its foot print of (W x H x D) 26 x 14 x 25 inches (661 x 356 x 635 mm). When designing the space, an additional 24 inches (610 mm) behind the laser solution needs to be considered.

Requirements met? Yes □ No □

### 2) Power Requirements

The VLS2.30 laser solution requires a power outlet rated at 110V AC 10A or 220-240V 5A, 50/60Hz Single-phase on its own circuit. This circuit also needs to be grounded (earthed) and stable (surge and spike protected). Supplementary 110V or 220V AC power outlets are recommended to provide power for a computer and any remaining devices/accessories such as the Computer Controlled Air Cleaner Cart.

Requirements met? Yes □ No □

## 3) Exhaust Requirements

To ensure proper removal of debris from the laser solution, an exhaust blower or air filtration system is required. The exhaust system must be capable of moving 150 CFM (cubic feet per minute) of air at 6 inches of static pressure (255 m<sup>3</sup>/hr at 1.5 kPa) utilizing the 3 inch (76 mm) port on the rear of the laser solution. When selecting an exhaust system it is imperative that you consider the length of hose needed to connect the laser solution to the exhaust system as pressure is lost over long distances. If you are considering or have purchased the Computer Controlled Air Cleaner Cart this accessory meets these specifications and no additional exhaust is required.

4) Receiving & Relocation

The VLS2.30 will arrive in a padded box with the dimensions of 36 x 25 x 44 inches (915 x 635 x 1118 mm) and a weight of over 150 lbs. (68 kg). Two to three people will need to be on hand to relocate the system. This desktop laser solution must be placed on a study work surface or on a Computer Controlled Air Cleaner Cart.

