



# LASER SITE REQUIREMENTS

## FL-510HD-500

- Power requirement to supplied transformer: 220-230V (6kw), 50/60Hz w/ <2.5% phase unbalance. <4 ohms ground resistance. Whether a voltage regulator is needed or not will depend on the actual condition of voltage on site. The power supply of the equipment might be damaged by the short time high voltage. Power supply to table: AC380V±10%, 50/60Hz;

## FL-510HD-1000

- Power requirement to supplied transformer: 220-230V (7.5kw), 50/60Hz w/ <2.5% phase unbalance. <4 ohms ground resistance. Whether a voltage regulator is needed or not will depend on the actual condition of voltage on site. The power supply of the equipment might be damaged by the short time high voltage. Power supply to table: AC380V±10%, 50/60Hz;
- Ambient temperature: 40° - 95°F
- Ambient humidity: 5-95% (no condensation);
- Working environment requirements: no strong vibration, no dust, corrosive gas and liquid contamination, and no strong electromagnetic interference (EDM machines, high-frequency welding).
- Foundation to be level within 3/8". Slab should be poured to withstand 10,000lbs of heavy equipment.
- Minimum suggested site area 18' x 10' + access to load/unload machine
- Constant air supply (clean & dry) of **45CFM @175PSI** required when using compressed air for cutting gas.
- Constant supply of **45CFM @175PSI** required when using compressed Nitrogen (N2) for cutting gas. Stainless steel only.
- Constant supply of **45CFM @90PSI** required when using compressed Oxygen for cutting gas. Oxygen required to cut mild steel thicker than 1/8".

## FL-510HD-500

- 5gallons distilled water, or antifreeze (≤ 30% glycol based)

## FL-510HD-1000

- 10gallons distilled water, or antifreeze (≤ 30% glycol based)