

## *Speedy 360 40W - 80W*

### IMPORTANT SAFETY INFORMATION

- UNSUPERVISED OPERATION OF THE SYSTEM IS NOT PERMITTED.
- A CO2 FIRE EXTINGUISHER MUST BE ON HAND AT ALL TIMES AS THE LASER BEAM CAN IGNITE FLAMMABLE MATERIALS.
- DO NOT STORE ANY FLAMMABLE MATERIALS INSIDE THE MACHINE OR IN THE IMMEDIATE VICINITY OF THE MACHINE.
- SOME MATERIALS ARE NOT SAFE FOR LASER PROCESSING. THE PROCESSING OF SUCH MATERIAL CAN CAUSE SERIOUS RISK TO HEALTH AND SAFETY AS WELL AS CAUSING DAMAGE TO THE MACHINE. SUCH DAMAGES ARE NOT COVERED UNDER WARRANTY.
- PROCESSING OF MATERIALS OR MATERIALS CONTAINING THE FOLLOWING IS NOT PERMITTED: CARBON, POLYVINYL CHLORIDE (PVC), POLYVINYL BUTYRAL (PVB) POLYTetrafluorethylene (PTFE, Teflon®), CARBON FIBER, BERYLLIUM OXIDE AND MATERIALS CONTAINING HALOGENS (FLUORINE, CHLORINE, BROMINE, IODINE AND ASTATINE), EPOXY-BASED OR PHENOLIC RESINS.
- USE CAUTION WHEN PROCESSING MATERIALS OR MATERIALS CONTAINING THE FOLLOWING: MANGANESE, CHROMIUM, NICKEL, COBALT, COPPER AND LEAD. ANY MATERIAL WITH THE NAMING ADDITION "FLAME-RETARDING" AS IT MAY CONTAIN BROMINE.

TROTEC IS NOT LIABLE FOR THE PROCESSING OF ANY DANGEROUS OR HARMFUL MATERIALS. IT IS RECOMMENDED THAT YOU ALWAYS CONSULT WITH YOUR MATERIAL SUPPLIER AND OBTAIN A MATERIAL SAFETY DATA SHEET TO DETERMINE IF THE MATERIAL IS SAFE FOR LASER PROCESSING.

SEE YOUR USER MANUAL FOR ADDITIONAL SAFETY INFORMATION.

### INSTALLATION ENVIRONMENT REQUIRMENTS

- ROOM TEMPERATURE IS BETWEEN 59° – 77° F. AVOID HIGER AMBIENT TEMPERATURES AND DIRECT SUN EXPOSURE. OPERATING OUTSIDE OF THESE TEMPERATURES WILL REDUCE THE LIFETIME OF THE SYSTEM COMPONANTS.
- DO NOT INSTALL SYSTEM IN A HIGH DUST AREA. EXSESSIVE DUST WILL REDUCE THE LIFETIME OF THE SYSTEM COMPONANTS.
- THE HUMIDITY MUST NOT EXCEED 70% AND THE TEMERATURE MUST NOT BE CLOSE TO THE DEW POINT.
- DO NOT INSTALL IN AREAS WITH POOR AIR CIRCULATION.
- DO NOT INSTALL IN AREAS THAT EXPOSE THE SYSTEM TO MECHANICAL SHOCKS.
- MAX DISTANCE FROM THE SYSTEM TO THE PC IS 8 FT. TO MINIMIZE COMMUNICATION INTERFERENCE.
- SYSTEM SHOULD BE INSTALLED WITH AT LEAST 2 FT OF CLEARANCE FROM THE WALL TO ALLOW FOR PROPER COOLING.

FAILURE AND/OR DAMAGE RESULTING FROM ENVIRONMENT ARE NOT COVERED UNDER WARRANTY.

## ELECTRICAL REQUIREMENTS

- LASER SYSTEM IS TO BE INSTALLED ON A DEDICATED CIRCUIT. DO NOT INSTALL EXTRACTION SYSTEM ON THE SAME CIRCUIT AS THE LASER.
- NOISY OR UNSTABLE ELECTRICITY AS WELL AS VOLTAGE SPIKES CAN CAUSE INTERFERENCE AND POSSIBLE DAMAGE TO THE LASER SYSTEM.
- IF ELECTRICAL POWER FLUCTUATIONS, BROWN OUTS OR CONTANT POWER OUTAGES ARE A PROBLEM IN YOUR AREA OR FACILITY, AN ELCTRIAL LINE STABILIZER, UPS (UNINTERRUPTABLE POWER SUPPLY) OR BACKUP GENERATOR MAY BE REQUIRED. IF INSTALLING ANY OF THESE DEVICES, BE SURE THEY MEET THE ELECTRICAL SPECIFICATIONS OF YOUR LASER SYSTEM. WE RECOMMEND CONSULTING WITH A LOCAL INDUSTRIAL ELECTRICIAN.
- FUSE PROTECTION: DO NOT CONNECT OTHER DEVICES VIA THE LASER FUSE AS THE LASER SYSTEM REQUIRES THE FULL AMPERAGE.

DAMAGES/FAILURES FROM FAULTY POWER SOURCE IS NOT COVERED UNDER WARRANTY.

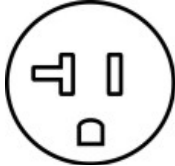
SEE BELOW FOR THE ELECTRICAL SPECIFICATION FOR YOUR LASER SYSTEM.

## EXHAUST REQUIRMENTS

- DO NOT OPERATE THE LASER SYSTEM WITHOUT AN ADEQUATE EXHAUST SYSTEM.
- INADEQUATE EXHAUST INCREASES THE RISK OF FIRE.
- FUMES AND DUST CREATED DURING CUTTING OR ENGRAVING HAVE TO BE EXHAUSTED PROPERLY. SOME MATERIALS WHEN CUT OR ENGRAVED CAN PRODUCE FUMES THAT ARE HAZARDOUS IN CONCENTRATED AMOUNTS. ALWAYS CONSULT WITH YOUR MATERIAL SUPPLIER PRIOR TO LASER PROCESSING.
- THE LIFE TIME OF OPTICS, MECHANICAL AND OTHER SYSTEM CRITICAL COMPONENTS WILL BE REDUCED BY FUMES AND DUST ACCUMULATING IN THE MACHINE. THIS CAN BE AVOIDED BY A CAPABLE EXHAUST SYSTEM.
- THE CUTTING QUALITY WILL BE REDUCED BY FUMES AND DUST ACCUMULATING IN THE MACHINE. THIS WILL BE AVOIDED BY A CAPABLE EXHAUST SYSTEM.
- THE LASER POWER INTERACTING WITH THE WORK-PIECE WILL BE REDUCED BY FUMES AND DUST ACCUMULATING IN THE MACHINE. THIS WILL BE AVOIDED BY A CAPABLE EXHAUST SYSTEM.

DAMAGE TO THE SYSTEM CAUSED BY IMPROPER EXTRACTION WILL NOT BE COVERED UNDER WARRANTY.

SEE BELOW FOR THE EXHAUST SPECIFICATIONS FOR YOUR LASER SYSTEM.

<b>Trotec Laser Model:</b>	Speedy 360					
<b>Wattage:</b>	40 -80 Watt CO2					
<b>Dimensions:</b>	Width:	<b>48"</b>	Depth:	<b>32.8"</b>	Height:	<b>41.5"</b>
<b>Weight:</b>	Weight (approx.) 595-628 lbs. (depending on laser power)					
<b>Electrical Requirements:</b>	Required Voltage:	<b>115v</b>			Picture to left shows proper electrical receptacle	
	Required Amperage:	<b>20A</b>				
	Plug type:	<b>NEMA 5-20P</b>				
<b>Exhaust Requirements:</b>	Trotec Atmos Duo Plus (208-230V 20A) or Minimum: 800 CFM @ 6 inches of static pressure (at machine ports) Hose connection ports: <ul style="list-style-type: none"> <li>2 x Exhaust Port: 3.0" (No hoses included)</li> </ul> <p style="text-align: center;"><b>Note: 4.0" exhaust port available upon request</b></p>					
<b>Minimum Computer Requirements:</b>	<ul style="list-style-type: none"> <li>Windows 7 or Higher</li> <li>Microsoft .NET framework 3.5</li> <li>Adobe® Reader 9.0 or later</li> <li>Local administrative privileges (for required software installations)</li> <li>8 GB of RAM</li> <li>80GB of hard disk space</li> <li>GHz processor or faster</li> <li>1024 x 768 or better monitor resolution</li> <li>24-bit color depth graphics card</li> <li>2 free USB interface or better</li> <li>DVD-ROM drive</li> <li>Mouse</li> <li>Keyboard</li> <li>Monitor</li> <li>Vector Based Graphics Software such as Corel Draw/Adobe Illustrator/Engrave Lab or similar</li> </ul>					

**If you have any questions regarding the information provided in this document, please contact your local sales representative.**