

ULTRA R9000

Customer Site Survey & Readiness Requirements

This document is intended to act as a guide to ensure that your facility is ready to accept your new laser system and to facilitate a seamless installation. This document provides a list of requirements that must be completed or verified before the installation of your laser system to avoid any delays during installation or additional charges.

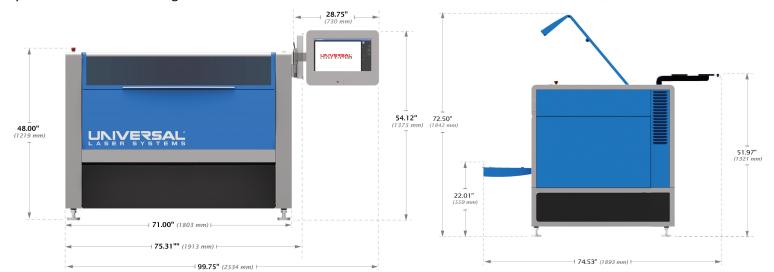
This document must be fully completed, signed, and returned to <u>sitesurvey@ulsinc.com</u> to schedule an installation date.

If you have any questions or concerns regarding this document, please contact us at sitesurvey@ulsinc.com or contact your ULS Representative.

PART A - Operational Considerations & Requirements

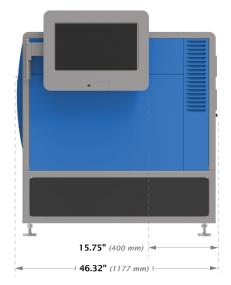
FLOOR SPACE UTILIZATION

System dimensional drawings:



FRONT VIEW WITH AVAILABLE TOUCH SCREEN CONTROL PANEL

SIDE VIEW DOORS OPEN WITHOUT CONTROL PANEL



SIDE VIEW WITH AVAILABLE TOUCH SCREEN CONTROL PANEL FOLDED

When considering placement, ensure the l	ocation has a minimum clearance	e of 2' (610 mm) on each side and above
the system as shown below:		
Width 148" (3760 mm) (119" (3023 mm) without control panel)	Depth 123" (3125 mm)	Height 97" (2464 mm)
ENVIRONMENTAL REQUIREMENTS		
The ULTRA R9000 system requires a well-v temperatures of 50° F (10° C) to 95° F (35° recommended for peak performance.		
Does your facility meet the environmenta	al requirements? ☐ YES ☐	NO*
*If NO, provide date requirements will be n	net:	
EXHAUST REQUIREMENTS		
An exhaust blower or air filtration system i	s required.	
If a UAC 4000 air filtration system will be in 4000 is specifically designed for integration used consult the manufacturer for recomm	n with ULTRA laser processing sys	•
If an exhaust blower will be used, it must be at 6 inches of static pressure (1190 m³/hor connects to the ULTRA R9000 system. Whe the duct/flexible hose from the exhaust blaressure loss over a long distance.	ur at 1.5 kPa) through a 6-inch (19 en planning an exhaust system, it	52.4 mm) duct or flexible hose where it is essential to consider the length of
All exhaust solutions must meet local code if necessary.	s and regulations. Consult registe	ered local contractors or exhaust experts
Does your facility meet the exhaust requi	rements? ☐ YES ☐ NO*	
*If NO, provide date requirements will be n	net:	
ADDITIONAL REQUIREMENTS (USER SI	UPPLIED)	
 If facility compressed air will be utilized filtered, dry, and oil-free. Air requirement meters/hour). Connection is a guick-re 	ent is 50 psi max pressure and 3 C	CFM free airflow (3.4 bar and 5 cubic

If a compressed gas (must be a non-flammable gas such as Nitrogen) is to be used, a regulator will be required to

supply gas at 100 psi max (6.8 bar). Connection is a quick-release fitting that accepts ¼ inch NPT connection.

 Minimum computer requirements (if not configured with available 21" Touch Screen Control Panel) are as follows: Intel I3 processor (or equivalent) with at least 8 Gb (16 Gb recommended) of memory, Windows 10 or Mac 10.15 (Catalina) operating system, and connection to laser system with USB cable.

Avoid placing the laser system under direct lighting, if possible. Glare from lighting can adversely affect camera registration results.				
Will the system be placed under direct lighting? *If YES, please describe:	☐ YES*	□ NO		
Does your facility meet these additional requirement	ts? □ YE	5 □ NO*		

CLASS 4 SAFETY NOTICE

*If NO, provide date requirements will be met:

There are specific legal regulations that must be adhered to when operating in Class 4 mode. You must provide interlocked entrances and illuminated indicator signs outside the room, appoint and train a laser safety officer (LSO), and register your laser system with the appropriate agencies.

If the Class 4 Conversion Module for Pass-Through was purchased, you must read the Class 4 Acknowledgement thoroughly, then sign and return it to ULS before receiving an installation date.

POWER REQUIREMENTS

The system location requires the following facility power receptacles:

A. ULTRA R9000

- **Standard Configuration** 208/230 VAC, 16 A, 50/60 Hz single-phase dedicated circuit (a dedicated 20 or 30 A outlet recommended)
- **High Power Configuration (dual 150-watt laser sources)** 208/230 VAC, 25 A, 50/60 Hz single-phase dedicated circuit (a dedicated 30 A outlet recommended)



SHOWN WITH AVAILABLE TOUCH SCREEN CONTROL PANEL

B. ULS Compressed Air Source* – 110 VAC @ 10 A or 220 VAC @ 5 A

Please select: ☐ 110 VAC ☐ 220 VAC

C. Vacuum Booster* – 110 VAC @ 10 A or 220 VAC @ 5 A; auto-switching





^{*}Available feature

service technician will connect the plug(s) to the equipment of the equipm	nent cable(s) during installation.
Does your facility meet the power requirements?	☐ YES ☐ NO*
*If NO, provide date requirements will be met:	
PART B - System Receiving and Transport (Considerations
SYSTEM CRATE AND TRANSPORT	
·	ensions of $86.5^{\prime\prime}$ x $74.5^{\prime\prime}$ x $60^{\prime\prime}$ (2198 x 1893 x 1524 mm) and e in the following questionnaire if you have a receiving dock
	ne ULTRA R9000 system from the crate and move it through insider a rigging company to remove and relocate the laser system through your facility.
SYSTEM RECEIVING	
 Will a rigging company be utilized?	CONTACT NAME EMAIL ADDRESS NO
☐ YES ☐ NO* *If no, please describe options for removal of the sys	stem from the base of the crate.
4. Will a pallet jack be available? ☐ YES ☐ NO	

Note, you must supply appropriate plugs for all 220 VAC facility power receptacles (for example L6-30 plug). The

PATHWAY TO FINAL POSITION

As a reminder, the minimum dimensions to consider when moving the uncrated system (with available touch screen control panel folded in) to the final position are as follows: width of 75.5" (1918 mm), depth of 46.5" (1182 mm), and height of 54.5" (1385 mm).

	re steps present in the pathway? \square YES* \square NO		
	*If yes, how many steps, are they ascending (up) or descending (down), and where are they located? What are to dimensions of the stairway (width, depth, and height)?		
L	STEPS ARE PRESENT, A RIGGING COMPANY MAY BE REQUIRED.		
\	Vill placement require an elevator? □ YES* □ NO		
	If yes, what are the dimensions of the elevator door (height and width) and elevator interior (width, depth, and height)?		
[poor(s) to pass through?		
	oor(s) to pass through? □ YES* □ NO If yes, how many and what are the dimensions (width and height) of each door?		
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PART C - Customer Site Survey & Readiness Requirements Acknowledgement

CUSTOMER ACKNOWLEDGEMENT I acknowledge that I understand the requirements and that the facility meets all requirements

acknowledge that I understand the requirements and that the facility meets all requirements or will meet all equirements for system installation by the latest date listed above.			
PRINTED NAME	TITLE		
SIGNATURE	DATE		