

FACILITY REQUIREMENT CHECK LIST FOR CO₂ LASERS

Please read and understand the following facility requirements for your new Mitsubishi Laser Processing System. Many future problems will be prevented by completely understanding these requirements. Please notify MC Machinery Systems, Inc. one week in advance of your scheduled installation date if any of the following requirements will not be completed upon the technicians' arrival. If you have any questions or concerns please contact:

Michael Brown at (630) 616-4079 (e-mail: michael.brown@mcmachinery.com), or
Dave Kloos at (630) 616-5787 (e-mail: david.kloos@mcmachinery.com).

NOTE: This checklist may also be found in the full FACILITIES REQUIREMENTS MANUAL.

- An insured rigging company has been scheduled to offload and place the machine.
- Machine Location.
 - Plan out the location of the machine and accessories. Please use the attached drawings both in the FACILITIES REQUIREMENTS MANUAL and in the machine specification book to properly lay out the work cell in your facility.
 - Prepare the foundation in accordance with the specifications provided in this document as well as in the specifications book.
 - The site where the machine is to be installed must be cleared of all obstructions. The floor must be clean and free of debris.
 - Uncrate all machine components and place them according to the drawings in the FACILITIES REQUIREMENTS MANUAL.
 - Do not install the machine anchors until after the install technician has arrived. The install technician will direct you as to when the anchors need to be installed.
 - The pre-purified nitrogen, beam path purge and assist gas bottles need to be placed and secured as not to fall over. Fifty foot hoses will be supplied with the Laser Gas Install Kit.
- Electrical Requirements:

Electricity must be supplied to the disconnects for the following components. The install technician will be ready for electricity on the 2nd day of the install.

 - Laser power supply.
 - Chiller.
 - Dust collector.
- Powergy™ clean power system (optional).
- Items to be supplied by the customer:
 - LAN Cable with 2 static IP addresses, 3 if utilizing REMOTE 360
 - Remote 360 Network Settings returned to MC Machinery Systems.
 - Laser gas mix 4% CO, 8% CO₂, 28% HE, (BAL) N₂.
 - Pre-purified, UHP nitrogen. (For Resonator maintenance)
 - Oxygen assist gas, 1 connection.
 - Nitrogen assist gas, 1 connection.
 - Air assist gas, 1 connection
 - Air purge gas, 1 connection. (SR series machine)
 - Nitrogen purge gas, 1 connection. (For EX, RX, and XL machines)
 - 5 gallon bucket for draining antifreeze from cooling system.
 - A 3/4" minimum airline at 125PSI supplied to the work cell area. This will need connected to the machine and dust collector.
 - Ductwork to connect the machine to the dust collector. Ductwork is **NOT** supplied with the dust collector.
 - De-ionized or distilled water 50-75 gallons for the chiller depending on machine model.
 - Hammer drill with 5/8" and 7/8" masonry bit for drilling anchor holes in the floor.
 - Customer has read and understands "⚠ Equipment Damage" policy in the FACILITIES REQUIREMENTS document.

When all requirements are complete this form must be emailed or faxed to Michael Brown.

Email: michael.brown@mcmachinery.com Fax: (630) 616-5940

By signing this, the buyer understands that if any items are incomplete when the technician arrives, MC Machinery Systems, Inc. reserves the right to reschedule the machine installation for the next available date and invoice your company for the loss labor and expenses.

Signature _____

Date _____

Title _____

Upon completion, forward signed copy to Michael Brown. Scanned copies can be emailed to michael.brown@mcmachinery.com or, fax original to (630) 860-9816 (Attention: Michael Brown)

MC MACHINERY SYSTEMS, INC.

a subsidiary of Mitsubishi Corporation