

# Constraints

These constraints are ideal system constraints, however if they may not be met, please indicate expectations.

1. The auxiliary cabinet has to be placed at least 8m away from laser head
2. Any cooling should be set to 17°C
3. The enclosure will be between 0° and 40°C
4. Laser and EC has to be powered by 240V 10A single phase
5. The laser must operate in ISO class 7 air quality
6. CAN bus for control

# Questions

These questions are for parameters of the system. Some of these match the constraints, which are present in the event the constraints can't be met.

1. What is the vibration sensitivity of the system. Can it operate with the supplied spectrum of vibrations (See graph below)?
2. What is the required operating temperature range?
3. Does the flooring have to be non-conductive or antistatic?
4. How much cooling (W thermal power) is required?
5. What are the air quality requirements?
6. What is the laser and auxiliary electronics cabinet power draw?
7. What are the physical dimensions of all the components?
8. What connections (control signals) are required for the laser and cabinet?

