

Information Required for Designing & Quoting Interlock Systems

Contact Details

Company Name: _____ Date: _____
Contact Name: _____ Phone Number: _____
Email: _____

Please answer all the questions below. Enter N/A if not applicable.

1. Type of room to be interlocked (i.e. Laboratory, Operating Room, etc):

2. Locking or non-locking system required (non-locking system is normal configuration; locking system used where interruption of the laser process is undesirable – i.e. operating theatres, production processes, long experiments):

3. Number of doorways:

4. How many doors are double doors, how many doors are single doors:

5. What material are the doors and door frames made from? E.g. Wood, steel, plastic, other?
The most important factor is whether there is steel in the door or frame:

6. Are any doors double action (ie swing both inside and outside the room – normally it can be assumed that there aren't any double action doors):

7. Are overrides required on the doors (for authorized entry and exit without interrupting the laser):

8. Are any emergency stop pushbuttons or breakglasses required (emergency stop / door release breakglasses are always fitted on locking systems for reasons of emergency access):

9. Which interface(s) to the laser is / are to be used (available interfaces – external beam shutter, interlock connector operator, interlocked mains supply – all available simultaneously):

10. If interlocked mains supply is to be used what is the max current required (in particular is it likely to be more than 6 A). Is this single or three phase:

11. If beam shutters are to be used, what is the output power of the laser(s) (in particular do any of the lasers exceed 20 W average output):

12. How many lasers are to be interlocked in this room:

13. Any Special Requirements:

14. Number and dimensions of windows to be interlocked using laser blocking blinds:

15. Approximate size of room:

16. Attach drawing of room, if available:

Additional Notes

Enter Additional Notes.