Sponmech Safety Systems Limited
Web: www.sponmech.co.uk
Hayseech Rd. Halesowen, West Midlands B63 3PD.
Reg. No.2621238 V.A.T. Reg. No. 610916170
Tel: 0121 585 8730 Fax: 0121 585 5128
Email sales@sponmech.co.uk

Machine Guard Safety Level Performance Questionnaire

Date:	
Customer:	
Machine name + Asset no:	
Sponmech Job No:	

It is the responsibility of our client to ensure that a proper and full risk assessment is carried out on their machinery.
To assist with establishing the category of safety circuit protection that is required for each machine, then please fill in the table below by ticking 1 of the 2 boxes to each safety integrity question.

Performance Level Questions	Either (1)	Tick If Applicable	Or	Tick If Applicable
Determine the severity of injury/damage	*S1 Slight, usually reversible injury*		*S2 Severe, usually irreversible injury, including death*	
Determine the frequency and duration of exposure to the hazard	*F1 Rare to often and/or short exposure*		*F2 Frequently to continuous and/or long exposure*	
Determine the possibility of preventing the hazard or limiting the damage caused by the hazard	*P1 Possible under certain conditions*		*P2 Hardly possible*	

Factors to consider when, determining the possibility of preventing the hazard or limiting damage caused by the hazard:

- **Speed of the hazard:** How quickly the hazard can arise.
- **Likelihood of avoiding the hazard:** How likely it is to avoid the hazard, such as by escaping.
- **Safety experiences:** What practical safety experiences are relevant to the process.
- **Machine maintenance:** Whether the machine is well maintained and in good working order.
- **Safety measures:** Whether the machine has safety measures in place, such as guards, isolators, and emergency off switches.

Other Information that we require to assist with design:

1. **How long does the dangerous part/s of the machine take to stop?**

Answer-

2. **What is the voltage and current rating of the machine or part of the machine to be stopped?**

Answer-

3. **Please advise if safety interlocked guard switches are to be connected to operate as emergency circuits or if they are to prevent an individual action from operating?**
   (for example, you may choose to stop just the spindle and retain the machines hydraulic pump motor in order to prevent damage from frequent starting if it's a large motor)

Answer-

Once we understand the exact category of protection that is required for the new safety circuit, then we can design a compliant system for installing it.