

## **PRODUCT NEWS**

### **Free Risk Assessment Calculator redesigned** **in line with new standard**

**Procter Machine Guarding has redesigned its popular free Risk Assessment Calculator in line with the requirements of the recently published international standard EN ISO 14121-1:2007 (Safety of machinery. Risk assessment. Principles), which has replaced EN 1050.**



The new standard is largely similar to the old one, but Annex A in particular, 'Examples of hazards, hazardous situations and hazardous events', contains significant changes. Table A.1 has been redrawn so that, instead of simply listing hazards under various headings (eg mechanical, electrical, thermal), it now presents groups of hazards and gives examples of both the origin and potential consequences. Users can therefore no longer read down the list and assess the hazards; rather they have to look at the origins and consequences to decide which are applicable to their machine design.

In addition, Table A.3, 'Examples of hazardous situations', addresses situations throughout the machine's lifecycle where a person is exposed to at least one hazard, and Table A.4, 'Examples of hazardous events', lists hazardous events associated with various origins.

Taking into account the difference between EN 1050 and EN ISO 14121-1 and their British equivalents BS EN 1050 and BS EN ISO 14121-1, Procter Machine Guarding has revised and updated its popular Risk Assessment Calculator.

The Risk Assessment Calculator is based on a Microsoft Excel spreadsheet, though very little knowledge of this software package is required in order to use the tool. Checklists enable risk

assessments to be carried out on almost any machinery, with users simply having to enter the data and select values to use for 'Likelihood of Occurrence', 'Frequency of Exposure', 'Degree of Possible Harm' and the 'Number of Persons at Risk' from the look-up tables. A Hazard Rating Number (HRN) and Risk Level are calculated automatically for each identified hazard, with colour coding and numerical values indicating where users should consider taking action.

If users require further assistance with performing risk assessments or in taking remedial action, Procter Machine Guarding can either help directly or put users in touch with appropriate experts.

To request a copy of this latest version 4 of the Risk Assessment Calculator free of charge, simply send your email address to [RA@procterbedwas.co.uk](mailto:RA@procterbedwas.co.uk)

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## **Note to editors**

**Procter Machine Guarding** is the UK's leading machinery guarding specialist. From its sites in Leeds and South Wales, Procter offers a comprehensive service to survey, design, manufacture and install machine guards nationwide. All guards are designed to comply with EC and HSE requirements and a Declaration of Conformity is issued on completion.

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