

As an agent for a company making die cutting machines in Taiwan, Global Cutting Technologies of Wellingborough needed to follow the "CE Marking" requirements of the Supply of Machinery (Safety) Regulations 2008.

For such equipment, the "CE Marking" process is one of self certification by the supplier (or manufacturer) where the machine is designed and built to comply with Essential Health and Safety Requirements (EHSRs) specified in the regulations, plus applicable Harmonised European Standards (HESs).

Global Cutting Technologies came to Strategic Safety Systems who provide support for this. An additional requirement that they had was that they wanted to be in a position where they could carry out this process themselves for future machines.

## Benefits

Requirements for CE marking met – Enabled the company to be legally compliant.

Improvements made at the design stage – Enabled simple design changes to be done at minimal cost

Company is now in a position to repeat such assessments themselves – Reduces costs for future machines.

The approach taken by SSS was to provide a list of the standards, listed clause by clause stating whether or not the clause was applicable. Where it was applicable, SSS described how the requirements were met.

As this was at the design stage, SSS were able to offer advice on the features that needed to be incorporated to meet the standards.

The new standard EN 13849 requires calculations to be done to enable the appropriate protection level to be done, and SSS performed this service. We also assessed the risks, working with key Global Cutting Technologies personnel.



Global Cutting Technologies now have:

- A set of documentation for the machine that was studied, including risk assessments and EN 13849 calculations.  
This forms the basis for the technical file, required by the regulations.
- A list of clauses for each standard, with statements of how the clause is met, if applicable, as an editable MS Word document
- Risk assessment methodologies and forms
- A spreadsheet for EN 13849 calculations.
- A declaration of conformity certificate with the appropriate standards listed, as an MS Word document

Global Cutting Technologies Managing Director, Bob Cosford said, " Although we were already fairly up to speed with CE, a particular project called for us to re-assess what we were doing and we saw this as an opportunity rather than an imposition. In engaging SSS to help and guide us, we found a highly proficient partner who evidently knew the requirements inside out. The project was completed on time and on budget and we now feel even more confident with CE going forward to new projects and existing ones. "

Since this work, Global Cutting Technologies occasionally ask SSS for advice on new equipment.