

**DOCUFY**<sup>®</sup>

MACHINE SAFETY

„Risk assessments  
for CE marking  
made easy.“

Risk assessment  
according to the  
Machinery Directive or  
Low Voltage  
Directive

Risk assessment  
according to  
EN ISO 12100  
or requirement  
templates



Ignition risk  
assessment  
according to the  
ATEX Directive

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EXCELLENT INFORMATION. EVERYWHERE



„DOCUFY Machine Safety significantly reduces the time we spend preparing risk assessments, while increasing quality and legal certainty.“

Jutta Robak, Construction, Project Planning and Technical Documentation department, ARP GmbH & Co. KG

# DOCUFY<sup>®</sup> MACHINE SAFETY

Simplify, speed up, and improve the generation of compliant risk assessments for CE marking. DOCUFY Machine Safety is a specialized software solution that helps you achieve full, efficient conformity with the EC Machinery Directive.

**Legal requirement:**

According to the EC Machinery Directive (2006/42/EU), manufacturers “must ensure that a risk assessment is carried out in order to determine the essential health and security requirements (according to annex 1 of the Machinery Directive) which apply to the machinery.” In the event of damage or claims, the documentation can serve as evidence of a product’s conformity with the requirements of the applicable EC directives.

„Our software solution covers all widely used processes.“

DOCUFY Machine Safety guides you through the risk assessment process, compliantly and according to your needs.

Philipp Schulze,  
COO, DOCUFY GmbH

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# MACHINE SAFETY

DOCUFY Machine Safety helps you prepare documentary evidence for risk assessments - during the construction phase.

Your benefits at a glance:

## Global

- Usable at different locations as well as internationally

## Safe

- A central database ensures data security
- Meets all the requirements of EN ISO 12100
- Intelligent rights management protects data

## Flexible

- Adaptable to your specific requirements
- Connect to the COSIMA CCMS\* without a hitch

## User friendly

- Automatic use of existing partial assessments
- Management of master copies for recurring risks
- Traceability of various versions
- Automatic generation of overall risk assessments as documentary evidence
- Supporting information at the touch of a button
- Automatic generation of declarations of conformity or incorporation in all official EU languages
- Easy-to-use browser-based application

## Up-to-date

- Regular updates from DOCUFY
- All information regarding the compliant generation of risk assessments is saved in the system

## Outstanding service

- Fast and competent support
- Specialist advice, service and training

## Fair

- We offer a 60-day free trial

\*Component Content Management System



# MACHINE SAFETY

DOCUFY Machine Safety allows efficient risk assessment according to the EC Machinery Directive, the ATEX Directive or the risk assessment according to standard requirements.

## Simply select the required assessment process.

### Risk assessment according to EN ISO 12100

All potential hazards relating to a machine or system are systematically investigated in order to assess the associated risks. That information serves as the basis for confirmation of the product's safety at the individual aspect level, or results in the need for specific improvements, depending on the type and severity of risk.

### Combination of both approaches

The software guides the design engineer through the assessment process in a structured manner. A supplementary conventional assessment (according to DIN EN ISO 12100) is possible at any time to address remaining hazards. As a result, DOCUFY Machine Safety offers a wide range of options for preparing and supporting risk assessment documentation in line with your work processes.

### Risk assessment according to standard requirements

If there is a harmonized C standard with presumption of conformity for your product, the generation process can be divided into preparatory tasks carried out by an (external) expert and tasks allocated to the design engineer. The specialized DOCUFY Machine Safety software solution enables the design engineer to focus on what really matters and monitor the whole process at all times. Once the expert has prepared the risk assessment template, the design engineer can use a checklist to systematically confirm compliance with the normative specifications in DOCUFY Machine Safety, or mark them as being not applicable. The result is an easy-to-use list of action points. The system also allows the design engineer to describe a solution for each requirement.

### Ignition risk assessment according to the ATEX Directive

DOCUFY Machine Safety features a module that provides software support for the efficient compilation of ignition risk assessments according to the ATEX Directive. The new module was designed and programmed to meet the general requirements of the ATEX Directive, while also allowing adaptation to the individual needs of each manufacturer. The DOCUFY Machine Safety ignition risk assessment is designed to strongly reflect the traditional iterative risk assessment process.

<promise>  
Easy to use,  
ready to go.  
</promise>



# DOCUFY® MACHINE SAFETY

An optimum tool to help you address the EC Machinery Directive.

The easy-to-use specialized software allows you to work safely, simply, and fast. It noticeably increases the quality of your risk assessments, while reducing the time and effort involved – and lowering costs.

## **International functionality despite local installation**

Global implementation of the system using a central database allows large international teams to work together effectively.

Easy management of action points makes teamwork enjoyable. View your action points in the navigator or generate a report showing all current items and where action is required. If you don't have access to the internet, then you can set up the system for local operation, allowing you to access your risk assessment data from wherever you happen to be, such as a construction site in Dubai or elsewhere.

## **Design engineers save valuable time**

The specialized software quickly guides you through the entire CE marking process in a structured manner and supports the compliant generation of risk assessments during the construction process. It allows you to take preventive measures during construction, avoiding the need to use equipment to reduce risks at a later stage.

The modular operation of the software means the content only has to be recorded once and can be reused or used in combination with other data (e.g., [partial] assessments of components, master copies for recurring risks, warnings, personal protective equipment, etc.) – ideally when components are reused in construction. There is no need for time-consuming research, since all the relevant norms, guidelines, lists of hazardous substances, and other factors are saved centrally in the system, where they can be accessed and used at the click of a mouse. Clear, comprehensible documentary evidence,

including declarations of conformity or incorporation, can be generated in PDF format at the touch of a button.

## **Conformity with applicable laws in the event of damage or claims**

In the event of damage or claims, the risk assessment is a fundamentally important document that the manufacturer can and must use to prove the CE conformity of the product. Documentary evidence created using DOCUFY Machine Safety guarantees the greatest possible level of security and can prevent threats to the existence of a company resulting from damage or claims.

The CE conformity of products is documented in a way that demonstrably complies with the applicable laws. Compliance with the requirements of the EC Machinery Directive and EN ISO 12100 is guaranteed, as are automatic updates to standard headers. Internal standard header management



ensures optimum control of your standards. The use of professional software minimizes liability risks (compliance), because every risk assessment can be created in conformity with EN ISO 12100. Compliance with formal requirements is also guaranteed at all times, because each risk assessment is generated according to the iterative process proposed in the EC Machinery Directive (including a SISTEMA interface for the documentation of performance levels).

#### **The specialized software facilitates rapid, convenient working processes**

The user interface is clearly arranged and virtually self-explanatory. After a short basic training you will be able to create risk assessments independently and legally compliant. The system is also easy to use after long breaks, making it ideal for occasional users. The specialized software is designed to support you intelligently. An interactive context menu suggests possible modules, and assessments can be compiled with just a few clicks of a mouse using the drag-and-drop and

favorites functions.

The configuration of roles and rights allows users to focus on their areas of responsibility. And the constantly visible context-sensitive help function offers additional information about the current topic.

#### **Constant monitoring of important data**

The central storage of all relevant data facilitates fast, direct access to information such as standard headers, EC directives, hazardous substances and the respective safety data sheets, photos and drawings showing hazardous areas, SISTEMA data according to DIN EN ISO 13849, and more. Amendments (such as amendments to norms) are also recorded centrally and applied to all affected risk assessments. As a result, minimal effort is required to ensure that assessments are current and to guarantee the highest possible level of security. Full traceability thanks to the system's sophisticated version management feature means all users can see every change, even during the construction process.

#### **Keep your data safe**

Once the specialized software has been installed on your server, it is immediately available from every workstation at your company as a Web application. That makes it easy to include all the required individuals in the risk assessment and CE marking process. Smart management of roles and rights ensures that users only have access to areas for which they are responsible. The software protects your valuable construction data, which cannot be accessed from outside the company. DOCUFY Machine Safety is easy to integrate into your internal security network.



# MACHINE SAFETY

An optimum tool to help you address the EC Machinery Directive.

## **Interaction between operating instructions and risk assessments**

DOCIFY Machine Safety is based on the program architecture of the COSIMA go! CCMS. Both systems can be operated using a common database. That allows information about safety, warning signs and notices, staff qualifications, and personal protective equipment included the risk assessment to be easily transferred to the operating instructions created with COSIMA go!.

This link between operating instructions and risk assessments helps reduce the number of errors when transferring relevant content. A view showing relevant content that has not yet been transferred to the instructions supports users in this process. The "Information for operating instructions/user documentation" free text field also allows you to provide information to the technical writer directly from the risk assessment software.

## **Target-group specific information output**

The information from the risk assessment can be used in numerous ways, across departments. As a result, DOCIFY Machine Safety offers a number of overviews, along with the document output for the risk assessment itself. They present information from the risk assessment in various ways. The system's 15 overviews include notes for the operating instructions and user documentation, risk types, residual risk, safety notices, components and responsibilities, and signage. DOCIFY Machine Safety generates those overviews as printable HTML pages.

„You can use the information in numerous ways, quickly and conveniently.“

The information from the risk assessment is useful for other applications. DOCUFY Machine Safety includes functions that make it easier to share information between departments.

Christina Then,  
Project manager and teamlead, DOCUFY GmbH

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# Information management with the DOCUFY Suite

Information is the lubricant of  
the digital world

Trends such as digitalisation, industry 4.0, big data and the internet of things are decisive factors in the products of tomorrow and a crucial element of how our society develops. It is becoming increasingly complex to manage information, content and knowledge along the entire product lifecycle, with data quality becoming more and more important. From collecting and processing information to distribution, dissemination and application feedback: intelligent information is the lubricant of the digital world. The DOCUFY Suite can help your company to access this information and secure the long-term success of your company with the knowledge the information contains.

**Industry 4.0** Content Management  
PLM - Product Lifecycle Management **Automatization**  
**Product Engineering**  
Predictive Maintenance **Big Data** Digital twin  
**Digitalization**  
Content Delivery **Cloud** Lot-size 1  
**Mobile Work** **E-Learning**  
IoT - Internet of Things Knowledge Management

„The right information  
at the right time  
in the right place.“

With the DOCUFY Suite, high-quality data can be registered, reviewed multiple times and enriched with metadata. As a result, users get exactly the right information they are looking for, without any detours.

Nadine Prill,  
CEO, DOCUFY GmbH

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# Excellent Information. Everywhere

The individual needs of our customers drive our solution oriented action. With a competent team of experts working with innovative and passionate minds and with our strong business partners, we will find the answers to your questions of tomorrow.

<https://www.docufy.de/en/company/docufy-suite>



DOCUFY develops high-quality software solutions for technical documentation, design, and service. From technology startups to global industrial groups - our more than 900 customers operate in the automotive industry, mechanical and plant engineering, medical technology, and the software sector. Over 140 employees have been contributing to DOCUFY's sustainable success with their expertise for over 25 years.

We offer consulting and development services for our software products in order to customize our standard solutions to the specific requirements of our customers. With the DOCUFY Suite, we have created solutions to tap into the potential of company-wide information and deliver it to specific users. From design to maintenance - throughout the entire product life cycle: **Excellent Information. Everywhere.**