

Norms for external documentation (as of 12/2011)

1. Content of documentation to be delivered:

- 1.1 Operating and instruction manual with maintenance instructions, coolant specifications, etc. (as PDF)
- 1.2 Layouts of mechanical assemblies or components (as DWG/DXF or, in exceptional cases, as Tiff/PDF):
 - General layouts, assembly drawings
 - Detail drawings of components in contact with the workpiece and wear parts (production parts)
- 1.3 Electrical layout (as pdf)
- 1.4 Pneumatic layout (if pneumatic components included) (as pdf)
- 1.5 Hydraulic layout (if hydraulic components included) (as pdf)
- 1.6 Lubrication layout (if lubrication components included) (as pdf)
- 1.7 Coolant layout (if coolant components included) (as pdf)
- 1.8 ePlan project (ePLAN P8 format)
- 1.9 Parts list and spare parts list with the following information on the components/materials indicated (as XLS):
 - Position number (in reference to drawing or layouts)
 - Name
 - Model
 - Technical specifications
 - Manufacturer
 - Order number of original manufacturer
 - Order number of supplier
 - Designation as spare part or wear part
- 1.10 Products of other make (as PDF)
- 1.11 Test reports (in case needed for certain equipment – for example, pressure accumulator, etc.) (as PDF)
- 1.12 Declaration of conformity/declaration of incorporation (as pdf)
- 1.13 PLC/NC source texts (as PDF)

2. Language versions of documentation to be delivered:

Depending on the country in which the end customer is based, documentation must be provided in the following language versions.

- 2.1 End customer in Germany
 - Documentation in German
- 2.2 End customer in a European country other than Germany
 - Documentation in German and in the language of the country in which the end customer will operate the machine (required by machinery directive!)
- 2.3 End customer in a non-European country
 - Documentation in German and in the language of the country in which the end customer will operate the machine
- 2.4 End customer and supplier in a non-European country
 - Documentation in English and in the language of the country in which the end customer will operate the machine
- 2.5 Documentation may be provided in the language of our choice but should always include a German version.

3. Scope of delivery:

For every language version provided, one paper copy of complete documentation.

Complete documentation on CD or DVD. Language versions must be filed separately. File formats are defined above.

Please, direct any questions to our technical documentation office:
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