

STATEMENT EC PRODUCT DIRECTIVES

Object: compliance of welding equipment with EC product directives

Before placing a product on the EU market, the manufacturer shall consider the Directives and Regulations applicable to the product itself.

The EWA manufacturers of welding equipment have responded to this need by applying to their products the LVD low voltage directive, the EMC directive on electromagnetic compatibility and the RoHS directive, with the related harmonized standards.

The risk analysis on the product is therefore conducted on the legal basis offered by these provisions and, at the conclusion of the process, highlighted and communicated to the market with the declaration of conformity of the product and the CE marking of the same.

Any mechanical risks present on the welding equipment, for example those equipped with wire feeder, are considered in the context of the application of the harmonized standards in application of the low voltage directive which consider these types of risks. These risks, although not prevalent, are still evaluated in all their consequences

The harmonized technical standard "EN 60974-5 Equipment for arc welding - Part 5: Wire feeders" specifically considers the mechanical risks associated with the use of wire drive. The application of this standard allows to place on the market a safe product, also from the mechanical point of view, and which is presumed to comply with EU provisions. We remind you that the legal presumption of conformity, obtained for the CE marked product by application of harmonized standard, allows it to be considered suitable for free circulation on the EU market. To give evidence of the analysis carried out by the manufacturer, we report in Annex 1 the list of mechanical risks considered by the manufacturer and covered by the standard.

The low voltage directive, with the related harmonized standards, is therefore completely sufficient to ensure the placing on the market of safe products in terms of product safety and prevention of personal injury.

Welding equipment that are part of complex automated systems are CE marked in application of the Low Voltage Directive. The plant of which the welding machines are components must be CE marked in accordance with the machinery directive.

EWA is available to offer any other clarification concerning the conformity of the products it represents.

Annex 1

List of requirements deriving from mechanical hazards / risks assessed by the product standard EN 60974-5:

- Robustness of the casing
- Robust lifting systems on the product
- Resistance to accidental falls
- Stability (overturning)
- Wire feed system
- Welding wire reels support resistance
- Welding wire coil holding system
- Braking of the welding wire reel rotation
- Protection against mechanical hazards
- Unintentional contact with moving parts
- Crushing body parts during:
 - Loading the wire into the towing system
 - Operations with the welding wire reel