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Rebecca Wheble
WilsonCooke 0161 764 6500
rebecca@wilson-cooke.co.uk

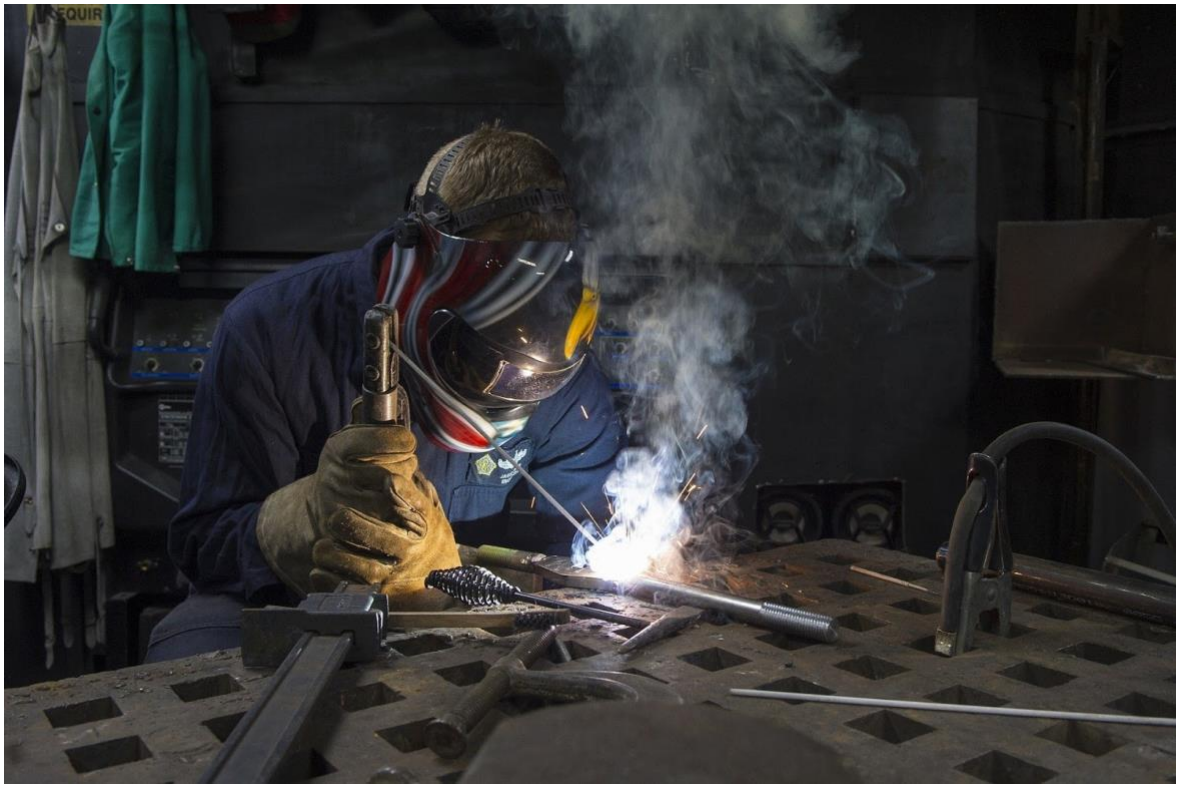
Welding Equipment Goes Green: An Eco-Friendly Approach According To New EU Regulations

In a rapidly changing eco-friendly world, your business must be in-line with the latest EU requirements. The process of welding traditionally generates a lot of fumes, so you must be conscious of the effect that welding can have on the environment - and the recent EU regulation on the eco-friendly performance of welding machines can help you to achieve this. With these regulations being taken into effect from **1st January 2021**, it is crucial that your business has everything it needs to adhere to these guidelines.

'Welding equipment' are products that are used for manual, automated or semi-automated welding, brazing, soldering or cutting and is the process of joining two metal pieces by the application of heat.

New regulations from the EU addresses the ecodesign requirements of welding equipment which includes the environmental aspects of welding equipment (such as energy consumption when the product is being used) and ensuring a level of efficiency with your resources.

By 2030, it is estimated that the ecodesign requirements in this Regulation will result in annual energy savings of 1,09 TWh, corresponding to total annual savings of about 0,27 Mt CO2 equivalent - better for the environment and cost-efficient.



Engweld: The new EU requirements for welding equipment includes new design requirements which will come into effect from January 2021

Eco Design Requirements

To comply with *energy efficiency requirements*, your welding equipment must be in-line with the power source efficiency and idle state power consumption:

- **Welding equipment powered by three-phase power sources with direct current (DC) output.** Minimum power source efficiency must be at *85%*, and maximum idle state power consumption must be at *50W*.
- **Welding equipment powered by single-phase power sources with direct current (DC) output.** Minimum power source efficiency must be at *80%* and maximum idle state power consumption must be at *50W*.
- **Welding equipment powered by single-phase and three-phase power sources with alternating current (AC) output.** Minimum power source efficiency must be at *80%* and maximum idle state power consumption must be at *50W*.

Resource efficiency and information requirements
Your business is also expected to adhere to the updated *resource efficiency requirements.* Due to this, distributors, such as *Engweld*, will have the resources available to replace any spare parts that you may need for a minimum period of 10 years after the production of the unit.

This includes providing spare parts for; control panels, power sources, equipment housing, batteries and welding torches just to name a few. These parts shall indicate the use of welding wire or filler material in grams per minute or equivalent standardised units of measurement.

Engweld: Updated resource efficiency and information requirements to ensure your welding equipment is more eco-friendly

The updated regulations also allow you to gain access for any *repair and maintenance information* that you need. All distributors, including *Engweld,* will now have to state the power source efficiency and power source consumption making it easier for you to ensure that your welding equipment is eco-friendly and compliant with these EU regulations.

For the full breakdown of the latest EU requirements regarding eco-friendly welding equipment, visit: https://eur-lex.europa.eu/eli/reg/2019/1784/oj

Engweld are approved service agents for leading brands of welding plants and associated equipment, offering full service and spares facilities from their main branches, both on or off-site. Engweld's

welding equipment is also in-line with the latest EU regulations ensuring that your business can adhere to these new guidelines. For more information, visit https://engweld.co.uk/repairs-and-servicing.

About Engweld: Engweld is a supplier of premium engineering and welding equipment. They have been trading for over 50 years and currently operate from 9 sales and distribution centres, and 6 gas manufacturing facilities in the North of England and the Midlands.