

..... LAMPERT.

Innovative precision welding. The new PUK S450.



S450

PUK S450

The new tool for sign-makers.

Fast, easy and stable welding solutions. Corrosion-free and heat-resistant joints. Almost no post-processing necessary.

The PUK S450 precision welding device is a compact and versatile TIG impulse welder with which fine and minute welds can be carried out.

The operating principle and spectrum of possible applications are very close to those of laser welding. This similarity means that the exact positioning of small, stable spot-welds or welds in hard-to-get-to or deep lying positions poses no problem. In contrast to soldering, the area of the work piece that is affected by heat is very small when working with the "PUK".

With PUK S450 the finest of welds are possible e. g. on thin stainless steel plates. Without any welding mark you can weld fine stainless steel plates which is very important at channel letter welding. You can not see any deformation or chemical reaction after welding with PUK S450 so the channel letters can stand for many years.

PUK welding's functional principle is as simple as it is ingenious. When the tip of the electrode in the welding handpiece touches the workpiece, the welding process starts automatically. Precisely on this touch point, an arc is ignited in an inert atmosphere as a lifting magnet in the handpiece withdraws the electrode.



Facts, that speak for themselves.

SUPERIOR WELDING CHARACTERISTICS

- Consistently reproducible high-quality welding results with all materials suitable for DC welding
- Precise positioning of the spot welds
- Very low, controllable development of heat
- Welding possible on even the thinnest of materials
- Welding in protective atmosphere

QUALITY "MADE IN GERMANY" BY LAMPERT

COMPACT SIZE – FITS INTO EVERY WORKSHOP

SIMPLE AND INTUITIVE TO OPERATE

- Maintenance-free technology
- Low initial costs, excellent price/performance ratio
- Precision handpiece for precision welding
- Makes welding faster and easier compared to soldering
- Very low costs of consumer materials
- Low argon consumption
- Further practical system components available





THE WELDING HELMET - SENSOR CONTROLLED

An automatic LCD protective filter is integrated in that welding helmet. The protective filter is controlled by an optical sensor.



THE EYE PROTECTION SYSTEM AS1030

The most economical version of our actively controlled eye protection systems. Freely swivelable with 3 different inter-changeable lens strengths. Electronically controlled eye protection filter for attachment to the PUK S450.



THE FLOW REGULATOR

Shielding gas is important for protecting the weld location from oxidation, and for creating the light arc, and is a prerequisite for the best welding results. To operate the PUK S450, only a very low flow of about 2 litres per minute is required and can easily be adjusted with the flow regulator.



THE WELDING ELECTRODES

To achieve uniformly good welding results, it is important always to work with a pointed electrode. Delivery includes basic equipment of special tungsten electrodes 0.5 mm and 0.6 mm in diameter. In addition, a diamond grinding disk is included for clamping into typical micro motors.

The electrode grinding motor (No. 100 856), available as a practical accessory, is optimal for sharpening the electrodes.

For more information, visit our website:

www.lampert.info

Lampert Werktechnik GmbH · Ettlebener Straße 27 · D-97440 Werneck · Tel. +49.9722.9459-0 · mail@lampert.info

DIN CERTCO

User safety comes first

The welder's eye protection systems of the PUK welding equipment have been checked and approved by DIN CERTCO for Lampert.



Accolades for design and technology

Our welding devices have been distinguished many times not only for their innovative technology but also for their design. This means that our customers can be sure that they are using leading edge technology, without having to forgo an attractive design.



Tested device safety

Safety is paramount to Lampert. All of our machines and devices are "CE" tested and certified in accordance with the DIN standards. As such, our customers can depend upon the safety and reliability of our products at all times.



Quality for high demands

We place utmost importance on the highest production and quality standards; we maintain close contact with our partners and suppliers, and are aware of the reliability of our devices: Therefore, we proudly stand behind our products – Made in Germany!