



The new PUK 6

Precision welding reinvented.



The LATEST INNOVATION from Lampert: The new PUK 6!

NEW, INNOVATIVE DESIGN – IMPROVED FUNCTIONALITY ONCE MORE



Ergonomic operating concept

One-hand joystick with turn-push-tilt function as well as simplified, intuitive menu guidance

Quicker, more powerful, more precise

Improved performance in all dimensions for fine welding technology at an unprecedented level

DESIGN

- Newly structured display design with improved resolution
- Clear design language with timeless aesthetics – a visual highlight at every workplace
- Fine, selected materials for highest standards on value and appearance

OPERATION

- Quicker maximum welding spot sequences due to the enhanced speed function – adjustable in 3 levels
- Refined micro-mode enables new welding possibilities with finer increments in adjustment when welding at the lowest possible performance range
- Newly designed and patented welding process control prevents welding errors, enables even quicker learning of the PUK welding – easier start for the PUK beginner

FUNCTIONALITY

- Optimised welding curves for all weldable alloys in jewellery manufacturing
- Higher maximum power and improved welding performance, particularly with highly conductive silver, copper and tin alloys due to new speed function
- New standby mode – quick restart, minimum energy consumption



SEE FOR YOURSELF!

The proven PUK principle - from day one



LAMPERT.

PUK'S OPERATING PRINCIPLE IS AS SIMPLE AS IT IS INGENIOUS

Argon gas is emitted protecting the welding area from oxidation. An electric arc (energy flow) is created from the point where the electrode touches the work piece, and as the electrode retracts, the arc is drawn up from the point of contact. Exactly here, a melting occurs of between 0.2 and 3.0 mm in diameter (depending on the material and parameters being used). The result is a clean and stable weld.

This high degree of precision is made possible by touching the work piece with the tip of the electrode. The electrical arc necessary for welding is thus generated from exactly this point of contact.

By varying the angle at which the electrode tip touches the work piece, the flow of energy can be influenced. Thus, welds can be accurately steered in the desired direction and previously applied metal can be distorted or modelled.

The PUK precision welding equipment puts a multitude of possible applications at your fingertips. Welding on fittings, adding metal to a work piece, joining items prior to soldering, welding a loop, fixing porosity, or welding seams are just a few of the examples possible with PUK.

PUK allows easy adding of metal, especially where material is missing, e.g. in fractures, dents or pores. With the aid of welding wire, material can simply be added and built up.

Generally speaking, all metals or alloys that are suitable for TIG welding, are also suitable for welding with the PUK. Amongst these are precious metals and precious metal alloys as well as many types of steel, titanium, nickel and tin alloys (costume jewellery).

POSSIBLE APPLICATIONS

Feel free to have a look at www.lampert.info/en/workshop-news for getting an idea about typical applications or how to use the PUK the right way.

Indispensable for precision & eye protection: our **PUK** welding microscopes



WELDING MICROSCOPE SM6

- New elegant design, perfectly tailored to the PUK 6
- Height and tilt adjustment for optimum workplace comfort and an ergonomic working position
- Cushioned hand supports for comfortable operation
- Powerful LED lighting in the microscope head, adjustable in 4 brightness levels, optimal illumination of the working area
- High-precision with 10-fold magnification (15-fold optional)
- Electronically controlled LCD eye protection system
- Can also be used as a workplace or observation microscope



WELDING MICROSCOPE WITH ARTICULATED ARM SMG5

- Perfectly tailored to the PUK 6
- Articulated arm, rotary and pivot action in every direction, making work particular ergonomic, even on bulky objects
- Individually adjustable headrest
- Bench stand for individual bench mounting
- Powerful LED lighting in the microscope head, adjustable in 4 brightness levels, optimal illumination of the working area
- High-precision with 10-fold magnification (15-fold optional)
- Electronically controlled LCD eye protection system
- Can also be used as a workplace or observation microscope at any time

Original accessories for the individual perfection of your PUK workplace



..... PUK FLOW REGULATOR

An important prerequisite for reliable welding results is the correct gas flow of the inert argon gas.

PUK ELECTRODE GRINDING MOTOR

Simple and rapid grinding of the PUK electrodes. Regular maintenance and care of the electrode tips is vital to very good welding results and can be performed by the grinding motor in the blink of an eye.



..... PUK ELECTRODES

Available in various diameters: 0.5 mm, 0.6 mm, 0.8 and 1.0 mm
Packages include 10 tungsten electrodes
The right electrode for every application

ASSORTMENT OF PUK WELDING WIRES

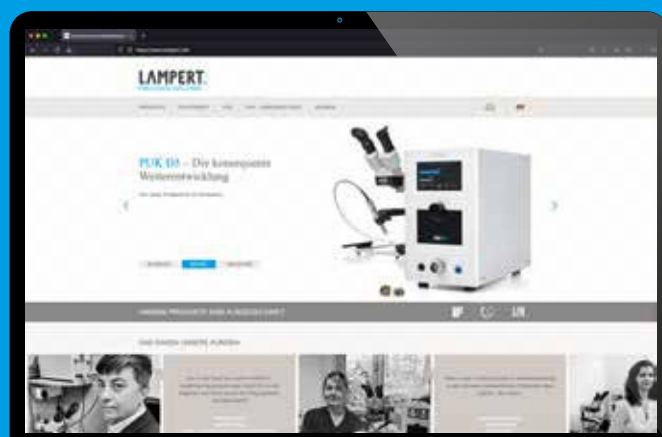
The alloys and dimensions of the welding wires have been specially selected for welding with PUK precision welding devices. The new packaging is not only eco-friendly but also a practical accessory that can be used as a wire dispenser.



PLEASE ALSO VISIT OUR WEBSITE TO FIND MORE INFORMATION ABOUT OUR

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- videos and applications
- newsletter
- social media channels
- document archive

..... www.lampert.info



What distinguishes our PUK

SINCE THE FIRST GENERATION



SUPERIOR WELDING TECHNOLOGY

- Reproducible and high-quality welding results
- Reliable and stable welding with low heat development
- Welds on filigree workpieces even with the smallest material thicknesses of less than 0.2 mm up to reliable fine welding even on very large objects

PERFECTLY MATCHED TO ITS FIELD OF APPLICATION

- Developed by gold- and silversmiths for gold- and silversmiths
- Patented WIG welding technology from the inventor of PUK micro pulse fine welding
- Whether a customised individual piece, repair or series production – the PUK is the right choice!

TREND-SETTING ERGONOMICS AND SAFETY

- Intuitive operability
- Safety for the user
- User-friendly technology

TREMENDOUS EFFICIENCY

- Small physical dimensions
- Very low initial costs
- Very low costs for consumer materials
- Maintenance-free technology

BENCHMARK FOR QUALITY AND INNOVATION

- Continuous further development of our products
- High standards for production and materials
- We rely on sustainable products and environmentally friendly packaging
- 3 year warranty on our welding technology



From PUK111 to the PUK 6

A SUCCESS STORY
OF 20 YEARS!




DESIGNPREIS
2009
NOMINIERT



product
design
award

2008



2004 AJM
Innovation
Awards





20 years of PUK fine welding technology
We THANK YOU for your loyalty!



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