LAMPERT.

Developed by goldsmiths.
The New PUK04.

PUK04

Developed by goldsmiths for goldsmiths, you weld – we take care of the details. Weld on findings, easily add metal, weld adjacent to stones, weld silver, fill porosity, attach workpieces prior to soldering, weld seams, and much more – all no problem with the PUK®.

3 Year Warranty

made in Germany

Facts that speak for themselves.

Microscope SM04

- 10x magnification
- LED lighting provides optimum illumination of the working area
- Perfect ergonomics – variable angle of inclination and comfortable hand rests

Welding handpiece

- High precision instrument manufactured to the highest standards using high-grade materials
- Super fast reaction time
- Optimised gas nozzle: for a perfect shielding of the welding area with inert argon gas, low turbulence

Operating concept / welding performance

- Extremely simple touchscreen operation
- Select metal – select welding situation – weld!
- Easily see the optimum setting ranges for the selected welding task
- Pre-set programs for standard metals such as gold, silver and platinum, and for common welding situations
- Expert mode for the ambitious welder
- Further developed and enhanced HF (high frequency) mode for even better results
- Help and assistance functions accessible at any time

Pulsed arc welding

Superior welding characteristics

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

Simple and intuitive to operate

Quality “Made in Germany” by Lampert

- 3-year warranty!
- Manufactured using top quality materials, right down to the last detail
- Precision handpiece for precision welding
- Tested and certified product safety: GS & CE marks
- DIN CERTCO certified eye protection in the microscope lens
- Ergonomically optimised for work efficiency

Further PUK® advantages

- Maintenance-free technology
- Low initial costs, excellent price/performance ratio
- Compact size – fits into every workshop
- Welding microscope for precise welding results
- Makes repairs and soldering work faster and easier
- Very low costs of consumer materials
- Low argon consumption
- Practical system add-ons such as the PIN module, welding smoke absorber, welding wires and more; all available to suit your individual requirements
- Updatable software

The PUK® flow regulator

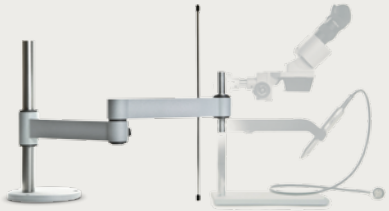
An important prerequisite for dependable welding results is the correct flow rate of Argon gas. The PUK® flow regulator enables the exact setting of the recommended 2 litres per minute flow rate. It's precise and it's easy but above all, it's reliable!

The PIN module

With the new PIN module, the welding of ear studs takes just a matter of seconds – whether they are made with precious metals, titanium, stainless steel or one of many other metals. Suitable for use with even the thinnest of materials. Virtually no heat impact on the work piece. Also ideal for mass production.

The microscope pivot arm

Greater flexibility at the workbench. Generates more space for welding larger objects. Better use of space in the smaller workshop.



The absorber

Fumes and odours are extracted through an integrated active carbon filter, filtered and neutralised. Device automatically controlled by the PUK04 – no continuous operation. The perfect addition for the frequent welder or when welding in very tight spaces.

The foot pedal

As an alternative to the automated welding process, each weld can be triggered individually using the foot pedal.

The magnifying lens

Illuminated magnifying unit with integrated LCD eye protecting system for connecting to the PUK04. Ensures a safe working environment without using the microscope. Excellent for welding large and very bulky workpieces.

Welding with a system: PUK04.

The new PUK04 - with its components tailored to complement each other, this modern welding system is sure to impress:

The control unit, welding microscope and the swift precision handpiece combine with an intuitive approach to operating and handling, all controlled via the modern touch display. It's the interaction between all of these elements that makes reliable and reproducible welding possible – the perfect device for every goldsmith and every workshop.

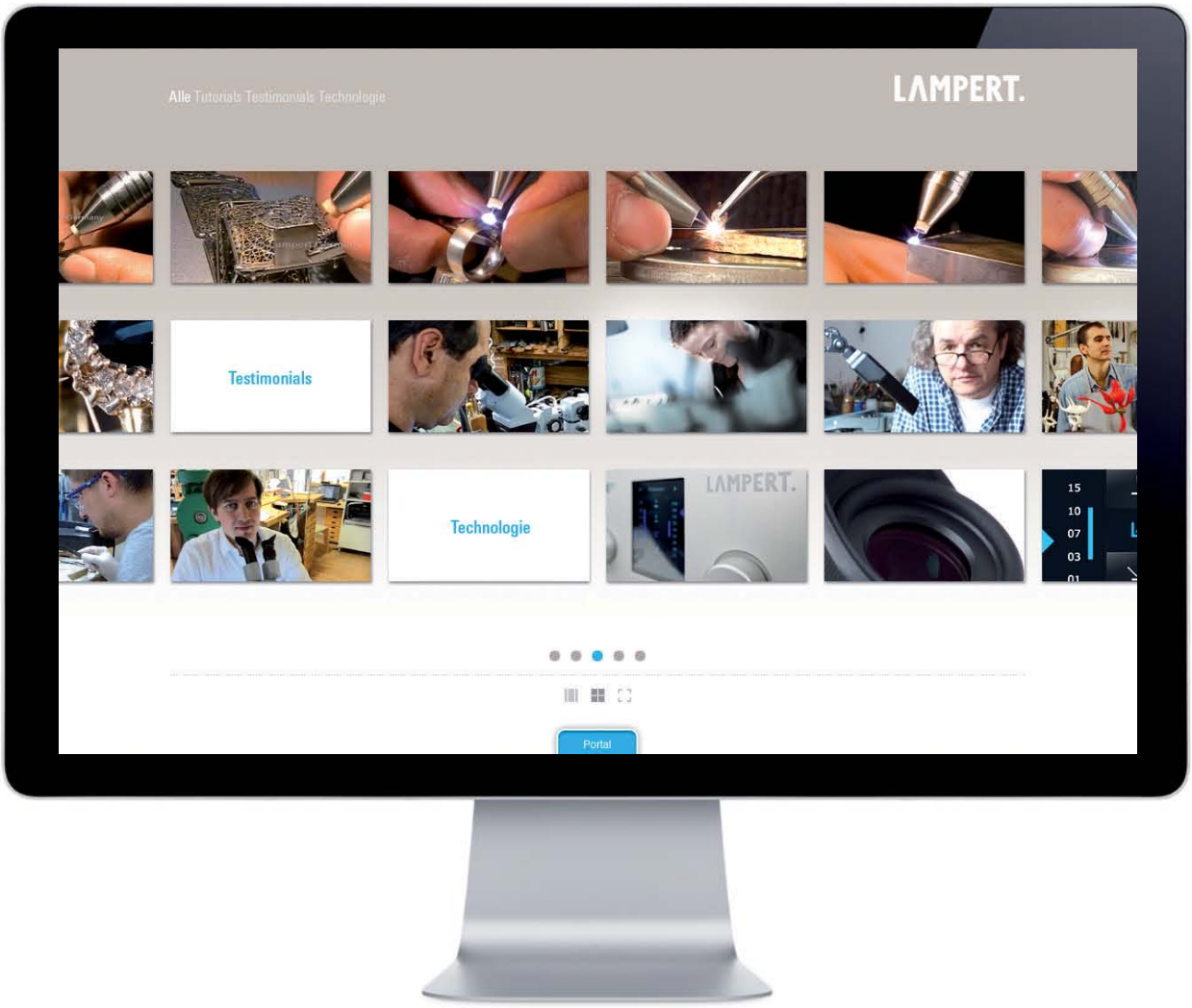
In addition to the standard equipment of the PUK04, this welding system can be expanded and added to from a wide range of useful components and practical accessories – depending entirely on your individual requirements.

Technical Data

PUK04	
Welding speed	up to 1,5 Hz
Inert gas consumption (e.g. argon 4.6)	ca. 2 l/min
Memory slots	40
Dimensions PUK04 (L x W x H)	330 x 200 x 205 mm
Weight PUK04 / SM04	8,9 kg / 3,6 kg
Power consumption during "stand-by"	6 W
Welding microscope SM04	
Magnification	10x
Light- / dark shade of the LCD shutter	DIN 3 / DIN 11
UV protection / IR protection	> UV 15 / > IR 14

Our space for your creativity.

www.lampert.info On our homepage you will find comprehensive information covering all aspects of welding with the PUK®. Ranging from videos providing technical information about the devices to specialist welding knowledge, the site also includes various descriptive workshops available to download, and the option to register for our Workshop-News. To this we've added numerous suggestions and great ideas, relating to various practical applications and a wide range of repair tasks – "made with a PUK®".



The "showroom" area on our website is both a platform and a forum for our customers. Find out for yourself just what colleagues of yours from all around the world have succeed in creating using only the combination of PUK® and their own creativity. Check out opinions and experiences gained through working with the PUK®, or simply gather tips for your own work.

Workshop-News

In our workshop news we regularly inform our customers by email of the many possible applications for PUK® welding, in the form of clearly explained workshops. Subscribe to these workshops and you will gain simultaneous access to all previous chapters in our archive.

Application videos

In numerous videos, we show the possibilities and potential of the PUK® welding system. Using everyday workshop examples we show how to use the PUK® correctly, offer suggestions for your own work and explain the fundamentals of PUK® welding.

Image gallery

Browse through a collection of images that show interesting applications, striking creations or sometimes just simple repair work. Allow yourself to be inspired or perhaps discover new ideas on how to solve a welding task.

Facts, information, assistance

Find answers to questions across the sphere of PUK® technology or regarding welding. Find out about upcoming trade fairs and discover more about the latest news and innovations from the house of Lampert. Or simply get in touch with us directly using the online form, in order to locate a dealer close to you or to find out when the next course is taking place …

10 years of Lampert – 10 years of PUK®

In 2012 we are celebrating our company's 10-year anniversary and 10 years of the PUK® success story. With the latest model, the PUK04, we continue writing this story whilst at the same time continuing to provide our usual high levels of service to those who are the very reason for the success of the PUK® in the first place – you our customers.

Accolades for design and technology

Exceptional design and innovative technology – that is what Lampert stands for. In our world, these are aspects that perfectly compliment each other, rather than standing in opposition. This is a philosophy that has been acclaimed and commended many times over. Though a welcome recognition – it is however an obligation to which we are committed, to resolutely continue along this path – for you!

made in Germany

3 Year Warranty

Device safety: Tested and certified

Safety is paramount to us. All of our machines and devices are “CE” tested and certified in accordance with the DIN standards and are additionally “GS” certified (safety-tested). The welding microscopes are equipped with modern DIN CERTCO-tested eye protection systems. As such, our customers can depend upon the safety and reliability of our products at all times.

Quality for high demands

We place value on the highest production and quality standards, maintain close contact with our partners and suppliers and are aware of the reliability of our devices: It is on the basis of this conviction that we provide you with a 3-year warranty on our PUK04 – Made in Germany!

Born in Germany.

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