

LUKAShine

Processes and polishes by itself!

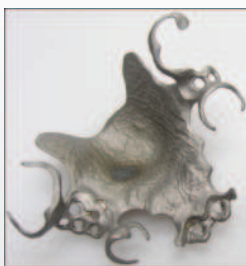
3 processes in just 1 machine!

The LUKAShine processes surfaces of non-precious / precious alloys and ceramics without cost-intensive hand work.

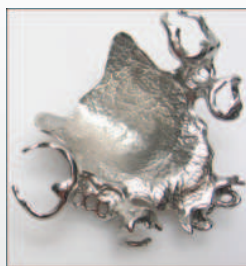
The machine concept of the LUKAShine realises (for the first time) up to three different processing options in just one machine - cleaning through magnetic polishing and wet polishing with ceramic grinding chips up to high gloss.

The LUKAShine stands for:

- Greatest flexibility by means of a modular machine concept; for (non-)precious alloys and ceramics
- Efficient production without troublesome and time-consuming processing by hand
- the use of light-curing resin gel prevents areas from being processed.
- High economy through competitive pricing
- Easy to handle
- Absolute reliability - made in Germany



Before processing



After processing



The modular design of the LUKAShine offers maximum flexibility. The separation into base unit and different process containers makes the machine easily adaptable to every application and enables a quick change between magnetic polishing, wet grinding, high gloss polishing or several batches.



**1. Step
Magnetic polishing**



**2. Step
Wet grinding**



**3. Step
High gloss polishing**

Magnetic polishing

Magnetic polishing is the ideal preliminary stage to wet processing and replaces the conventional electro polishing bath. The rotation of stainless steel pins in the magnetic field makes the cleaning of dentures, bridges or crowns a success. After only a very short time plaque, calculus or other impurities will be removed. With help of the LUKAShine the dental technician can so save some tiresome hours of work. Miniscule steel pins swirl through the process container that contains a water / compound mixture and easily reach even filigreed areas, that are normally hard to reach. Like hundreds of tiny hammers, every contact with the workpiece's surface produces a shiny spot. The following results can be achieved after about 15 - 30 minutes:

Complete removal of oxide discolouration and rests of investment powder, even in filigreed areas of the workpiece that can hardly be reached

Wet grinding

For wet processing, the workpieces move through the process container in swirling motion. Due to the difference of mass between workpiece and plastic grinding chips, material is removed and flushed out by the water / compound mixture. This saves the time-consuming processing by hand, and realises after about 3 - 4 hours:

Complete removal of emery traces and casting skin

Clean and bright workpiece surfaces

Dry polishing

As in wet processing, the workpieces are in motion in a turbulent current. Extremely fine polishing granules made of walnut shells remove the material softly at a microscopic level. Already after a prepolish of about 2 - 3 hours high gloss polishing, the LUKAShine achieves:

Very smooth surfaces

Brilliant gloss comparable to polish made by hand.

Technical data

Width x Depth x Height	360 x 350 x 530 mm
Power consumption	0,5 kW/230 V
Frequency	50/60 Hz
Weight	14,5 kg (basic) / 20 kg (magnetic)
Basic equipment	LC-display showing speed and process time; speed control via frequency inverter; quick release; automatic process container recognition; automatic left - right change in magnetic mode



**Entry level model
LUKAShine mini**

For wet and dry grinding / polishing

More information available on request.