

# LUKACAST

Casting with vibration for a better casting quality!



## LUKACAST M

Crucible volume: up to 150 g Au / 110 g steel



## LUKACAST L

Crucible volume: up to 450 g Au / 250 g steel

- ✓ 20-program capability offers complete flexibility
- ✓ Casting with new patent-pending vibration technology for better casting results, finer metal structure and higher density, elasticity and reduced porosity
- ✓ Programmable user-friendly interface, including easy to read, full text LCD display
- ✓ Overpressure of up to 3 bar

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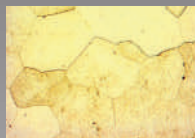
Casting with vibration for a better casting quality!

For the first time our patent-pending vibration system is now available in our new LUKACast-vacuum casting machines. Using vibration when casting ensures a better flow of material and more consistent and higher densities of the material structure, leading to a better form filling and a minimised danger of porosities.

Further due to vibration better and more consistent material properties can be realised. Tensile strength and elasticity can be constantly increased by up to 25 %. The alloy's proof stress can be improved by ~ 12 %. The casting will be considerably more resilient for further processing.

Gold alloys solidify with a finer and even structure, reducing the grain size up to 50 % in comparison to castings without the usage of vibration.

without vibration

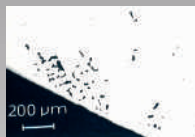


with vibration



Reduced porosity leads to more homogenous casting structures, so that the same technical results can be reached every time.

without vibration



with vibration



With our vibration technology, under the same conditions, you will always get a better result as with any other casting system available on the market.

Your advantages: better casting quality, reduced finishing work and reduced production costs!

Technical data	LUKACast M	LUKACast L
Dimensions	43 x 40 x 44 cm (H / W / D)	65 x 50 x 70 cm (H / W / D)
Weight	27 kg	57,5 kg
Temperature max.	2.000 °C	2.000 °C
Crucible volume max.	150 g Au / 110 g steel	450 g Au / 250 g steel
Crucible size max.	Casting ring sizes 1 - 9, all model cast muffles	All sizes up to Ø 100 x 120 mm H
Power	3,5 kW	4,8 kW
Temperature measuring	Thermocouple (up to 1.300°C)	Thermocouple (up to 1.300°C) / Pyrometer (up to 2.000°C)