



CETUS NanoLaser

A.R.C.
LASER

MADE IN GERMANY ○ ● ●

Modern Laser Cataract Surgery

an ultrasound-free alternative to standard phaco



ENDOTHELIAL PROTECTION

100% Laser
0% Ultrasound

Cataract Surgery

Refractive Lens Exchange

ESTABLISHED

PROFITABLE

GENTLE



ARCLASER.COM



The Upgrade



for your phaco system

Replace ultrasound energy with the gentle laser-induced effect for lens nucleus removal.

Compatible with modern phaco systems
(requires pneumatic vitrectomy port)

Fast return on investment and no maintenance contracts



Patient Marketing

- Informational brochures
- Waiting room roll-up banners
- Patient information webpage
- Physician locator directory listing

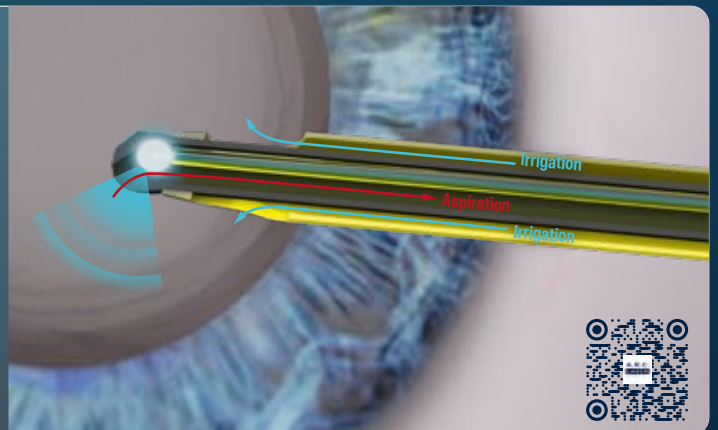


NANO LASER.de

Mechanism of Action

The laser energy is fully absorbed at the atraumatic tip of the probe, generating plasma-induced shockwaves. These shockwaves exit through a lateral opening positioned away from the endothelium.

The lens nucleus is gently liquefied with full compatibility to the phaco fluidics system.



CETUS Handpiece



100% HYGIENIC

Maximum hygienic standard
100% single use – minimizes risk of infection
Ready to use – no handpiece priming required
Compact and lightweight

The NanoLaser

↘ Gentle on the Endothelium:



Minimal energy and application away from the endothelium helps to protect the cornea

NanoLaser

1,5 - 2,7 J*

Phaco

80 - 350 J*

"Qualitative and quantitative changes in the endothelium after cataract surgery: Ultrasound phacoemulsification vs. nanolaser technique" (Wald Zibbab et al.)

↘ Cold Laser Technique:



No mechanical effects – completely free from thermal impact



NanoLaser



US Phako linear

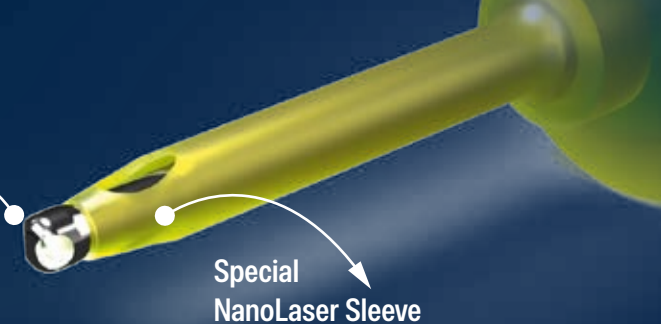
Prof. L. Mastropasqua, Chieti-Pescara, Italien

High temperature
Low temperature

↘ Atraumatic Tip:



Specially designed NanoLaser tip with no sharp edges – exceptionally gentle on the capsule and iris

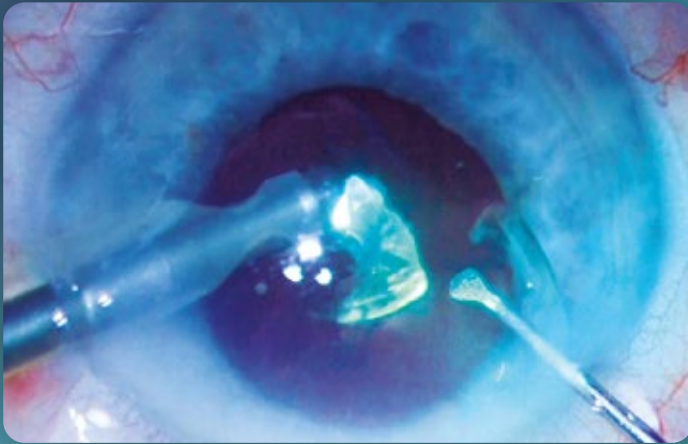


Special NanoLaser Sleeve

No current technology enables cataract surgery with less energy and more gentleness than the NanoLaser.

NanoLight

The world's first illuminated cataract surgery



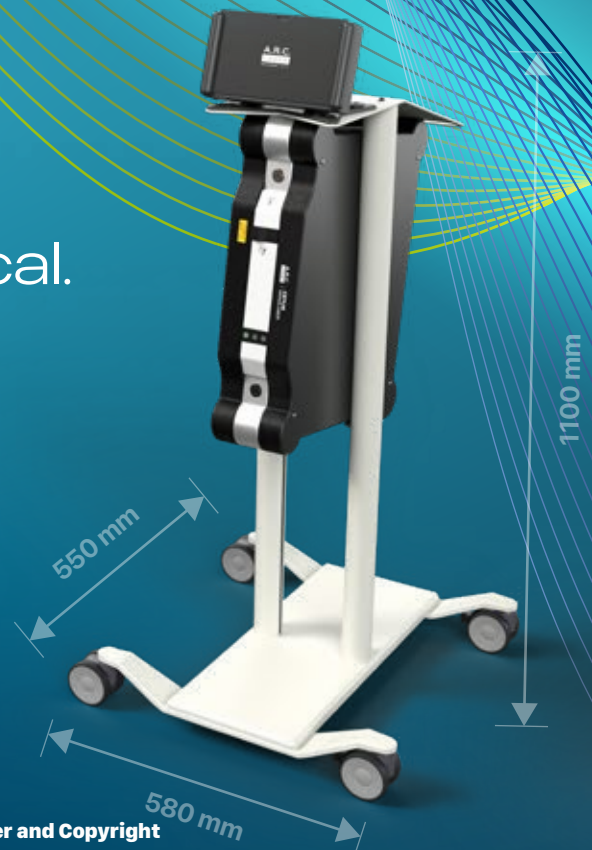
Customizable light color (RGB) is integrated into the CETUS handpiece, enabling visualization of occlusion through the bright illumination of lens fragments.

Further benefits are: additional advantages such as more precise energy delivery and reduced microscope light intensity.

Trolley for the CETUS NanoLaser Compact. Mobile. Practical.

The specially designed trolley for the CETUS NanoLaser™ impresses with its space-saving vertical design and compact footprint. Thanks to high-quality casters, it's mobile — ideal for flexible use in small operating rooms.

Its well-thought-out construction ensures optimal accessibility and secure positioning of the laser system—exactly where precision matters most.



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