

powered by

μ-CHIP
Technology

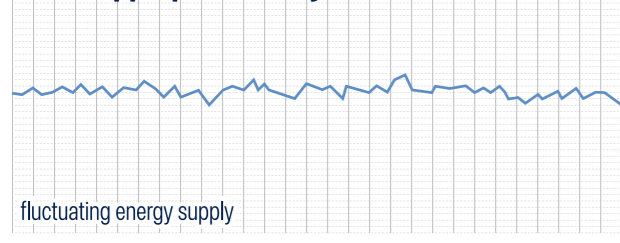
COBRA powered by A.R.C. μ-Chip Technology

μ-chip technology describes the highly efficient energetic excitation of the laser using the diode pump method. These lasers stand for their exceptional performance characteristics:

- ⇒ **High pulse-to-pulse stability:**
Each pulse emitted by the laser has a consistent pulse energy over its lifetime. This advantage is crucial for applications that require consistent, reliable and repeatable results.
- ⇒ **High efficiency:**
Diode-pumped lasers are highly efficient at converting electrical energy into laser light.
- ⇒ **The world's fastest repetition rates:**
QuickRepetition: diode-pumped lasers achieve the fastest pulse repetition rates.

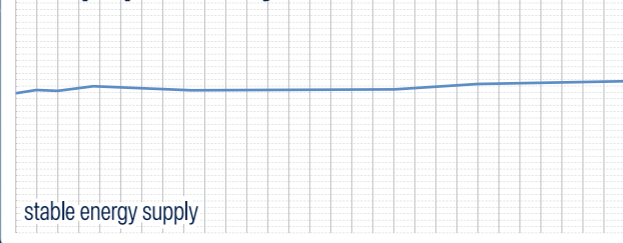
The A.R.C. Laser μ-chip technology not only has these exceptional performance features, but also combines them with a particularly reliable and long-lasting pumping behavior of the laser cavity.

Flash Lamp pumped laser cavity



fluctuating energy supply

Diode pumped laser cavity



stable energy supply

COBRA ND:YAG & SLT-LASER

A.R.C.
LASER
MADE IN GERMANY

The fastest SLT laser combined with the efficient Nd:YAG laser
based on the latest μ-chip technology.

**SPACE-SAVING
INDEPENDENT
VERSATILE**

powered by

μ-CHIP
Technology

1064 nm

+

532 nm

A.R.C.
LASER
MADE IN GERMANY



Publisher and copyright

A.R.C. Laser GmbH
Bessemerstr. 14
90411 Nuernberg

Telefon: +49 (0) 911-21779-0
Telefax: +49 (0) 911-21779-99
E-Mail: info@arclaser.de

COBRA

ND:YAG & SLT-LASER

Distinctive profile combined with outstanding design

COBRA combines **SLT laser CITO⁵³²** and **Nd:YAG laser Q-Las** in one slit lamp

Compared to combination devices with a shared laser cavity, the **COBRA** increases the service life of the laser by using two independent laser cavities.



CITO⁵³²
combined with
Q-LAS → **COBRA**

Simply and safe laser selection switching back and forth between **Cito⁵³²** and **Q-Las**



Laser Switch

PCL 5 Z

Premium TrueColour eye protection filter.

Microscope optics parallel as standard, optionally in convergent version.

Brilliant precision optics for the anterior segment of the eye ensures outstanding image quality and a detailed view.

Optional Heads-up display



Q-LAS

Nd:YAG Laser

Tilttable control panel

High-contrast display with individual adjustable brightness
Ergonomic operation with raised buttons
Display energy level, pulse and energy counter

Dual-handed operation

Energy setting: continuous from 0.5 – 10 mJ
Focus shift: 0, 150 and 300 μm posterior
Adjustable aiming beam brightness

Dual-spot aiming beam technology for reliable focusing.

Speed: QuickRepetition of 4Hz independent of burst mode.



CITO⁵³²

SLT-LASER

Homogeneity: Homogeneous energy distribution across the 400 μm beam diameter ensure uniform and seamless treatments.

Speed: QuickRepetition offers fastest repetition rate of up to 10 Hz

Easy Touch Control

- Clear presentation of all treatment-relevant parameters on the 7" touch display
- Continuously variable energy from 0.2 – 2 mJ
- Two individually storable treatment programmes



QuickRepetition

You determine the pace of treatment, not the laser!

COBRA combines the world fastest **SLT** and **Nd:YAG Laser**

- less influence of motion artefacts
- minimized treatment time - maximized patient comfort