

**A.R.C.  
LASER**

*enlighten your surgery.*



**COBRA**

Newest Generation  
**COMPACT DUAL LASER**

Nd:YAG and SLT

**LASER...INNOVATION**  
MADE IN GERMANY

[www.arclaser.com](http://www.arclaser.com) [info@arclaser.com](mailto:info@arclaser.com)



### Overview:

SLT and Nd:YAG  
display and maneuverability

Slit lamp:  
Optimized for the  
anterior segment

SLT Laser:  
Quick Refresh  
up to 10Hz rep-rate,  
TouchScreen display

Nd:YAG Laser:  
Best in class  
precise focal point

### THE ADVANTAGES OF AN INGENIOUS DESIGN

- Wheel chair accessible:  
2 table top supports
- Electronically adjustable  
height up to 920 mm
- The laser, table and slit lamp  
are a compact system -  
castors are available upon  
request.



# EXCEEDING YOUR EXPECTATIONS.

SLT – Modern Laser architecture – Quick Refresh – Posterior Cataract, Iridotomy, SLT



COBRA - one laser system for Posterior Cataract, Iridotomy and SLT.

## COBRA

The concept of combining two lasers into one system enables practical advantages:

Prolonged service life and increased work safety.

The SLT and Nd:YAG Lasers are indispensable to treat glaucoma in today's ophthalmology practice.

A.R.C. Laser creates uniform energy distribution over the entire spot for safest treatment quality and reliable reproducibility.

## Attention to

### Slit lamp PCL5

Specially coated optics will provide a detailed view into the eye. Neutral Color Filter prevents glare.

### $\mu$ -Chip SLT, homogeneous

Modern technology redefines SLT. UV light at the cavity, plus theoretically unlimited – stable throughout its entire life cycle.

### Laser trigger

Single hand control of height and RTM laser trigger (rapid).

### Unprecedented highest

Other SLT systems are based on capacitors, which have a slow repetition rate. The COBRA passed because of:

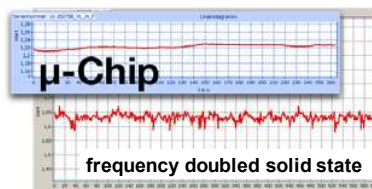
- High repetition rates
- Spot to spot precision
- Temperature stability

### Spot to spot precision



Thanks to the sophisticated **emission mode** the superior **laser beam** can be applied to the trabecular meshwork without fluctuations in performance or precision.

- More benefits of integrating  $\mu$ -Chip-Lasers over conventional laser systems:



- high repetition rates
- uniform energy distribution
- stable output power
- reproducible results

### $\mu$ -Chip Technology



detail - durable laser system design - Made in Germany

with parallel or convergent tube entrance anterior segment. The integrated system ensures its irregular laser emission.

**Focus spot**

ensures the SLT. No heating and no damage to the life time of the CITO 532 is guaranteed and without loss of energy per cycle.

Height adjustment, slit lamp mobility (and trigger mode).

**High repetition rate**

Based on flashlamp emission mean-beam depends upon the charging time. This is why those lasers have such a high repetition rate. The new A.R.C.  $\mu$ -Chip SLT is unsur-



**A.R.C.  
LASER**

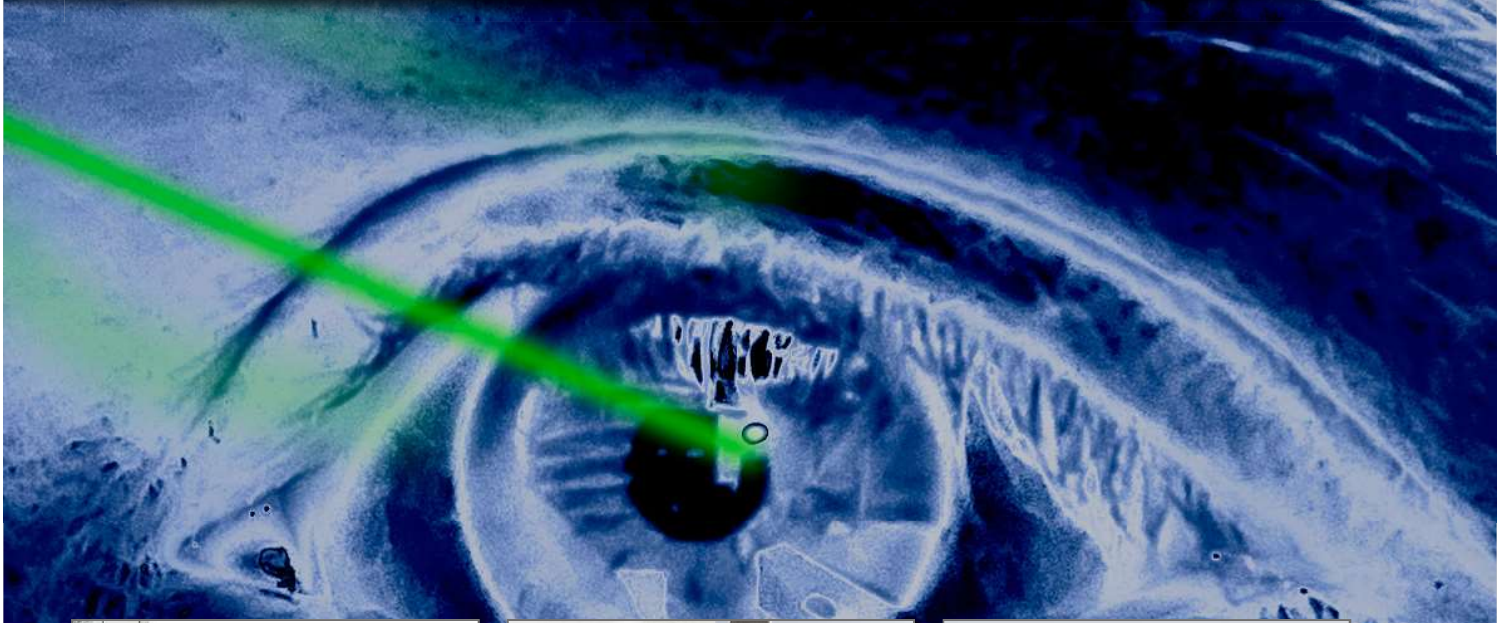
The most intuitive integration of 2 lasers

FUNCTIONALITY  
is "In Focus"  
with **COBRA**

The latest  
 $\mu$ -chip SLT with  
the highest  
repetition rate  
combined  
together with  
a time tested  
Nd:YAG-Laser



# ERGONOMICS AND DURABILITY IN AN INNOVATIVE DESIGN.



Intuitive touch screen display simplifies the SLT treatment.



Simple and safe selection of SLT or YAG laser application.



Distinctive profile, outstanding design: Cobra

	Nd:YAG-Laser	SLT-Laser
Laser Wavelength	Q-switched, Nd:YAG, 1064 nm,	Q-switched, Nd:YAG frequency doubled 532 nm
Output Energy (Laser)	0.5 mJ to 10 mJ - Single Pulse	2 mJ max.
Therapy beam pulse settings	0.1 mJ steps from 0.5 mJ (< 4 ns) Burst mode 1, 2 or 3 Pulses Cone angle 16°, Spot size <10 µm Defocussing 150/300 µm, posterior	0.1 mJ steps from 0,2 to 1,4 mJ 0.2 mJ steps to 2 mJ
Beam Delivery	Coupling in slit lamp	Coupling in slit lamp
Display / Control	LED Interface	7" Color touch screen
Cooling	Internal, air	Internal, air
Aiming Beam	635 nm red < 1mW, adjustable	635 nm red < 1mW, adjustable
Power Requirement	100-240 V AC, 47/63 Hz, 90 VA	100-240 V AC, 47-63 Hz, 5A
Weight / Dimensions with table and slit lamp	50 kg HWD <99 cm / 100 cm / 58 cm	53 kg HWD <99 cm / 100 cm / 58 cm
Laser classification EN 60825-1	Therapy beam: 3B Aiming beam: 2	Therapy beam: 3B   532 nm, E = 2,5 mJ Aiming beam: 2   635 nm, P < 5 mW

**VISIBLE AND INVISIBLE LASER RADIATION**  
Avoid direct irradiation of eye or skin or scattered radiation.  
laser class: see technical specifications



A.R.C. Laser GmbH  
Bessemerstraße 14  
90411 Nuremberg  
Germany

+49 911 217 79-0  
+49 911 217 79 99  
info@arclaser.de  
www.arclaser.de

www.arclaser.com info@arclaser.com

Alterations of the described features or pictured features are possible. Please keep updated on the current status before ordering.  
Subject to change without notice.