



**COBRA**

Newest Generation  
**COMPACT DUAL LASER**  
Nd:YAG and SLT

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

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## 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

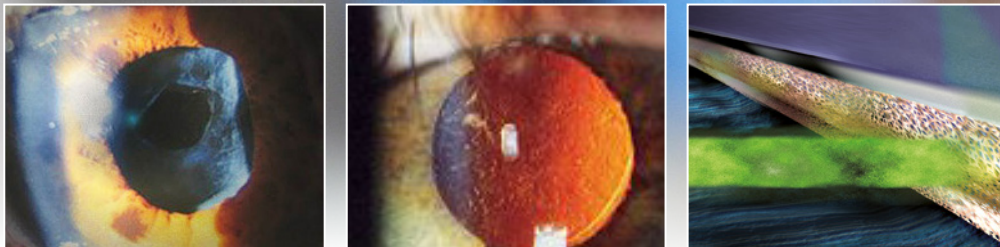
## THE ADVANTAGES OF AN INGENIOUS DESIGN

- 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 enable a detailed view into the eye. Neutral Color Filter prevents UV light at the cavity, plus theoretically unlimited – stable throughout its entire life cycle.

### μ-Chip SLT, homogeneous

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

### Laser trigger

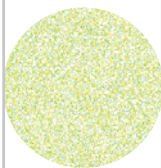
Single hand control of height and RTM laser trigger (rapid).

### Unprecedented highest

Other SLT systems are based on the principle of charging that the resulting laser pulses are limited by the cycles of capacitors, which results in a slow repetition rate. The μ-Chip SLT has passed because of:

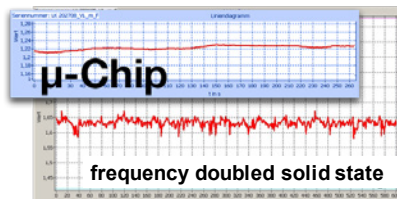
- High repetition rates
- Spot to spot precision
- Temperature stability

### 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 μ-Chip-Lasers over conventional laser systems:



- high repetition rates
- uniform energy distribution
- stable out power
- reproduceable results



detail - durable laser system design - Made in Germany

with parallel or convergent tube en-  
the anterior segment. The integrated  
irregular laser emission.

**ous spot**  
nes the SLT. No heating and no  
the life time of the CITO 532 is  
able and without loss of energy  
cycle.

ght adjustment, slit lamp mobility  
oid trigger mode).

**t repetition rate**  
sed on flashlamp emission mean-  
beam depends upon the charging  
h is why those lasers have such  
new A.R.C.  $\mu$ -Chip SLT is unsur-



**A.R.C.  
LASER**

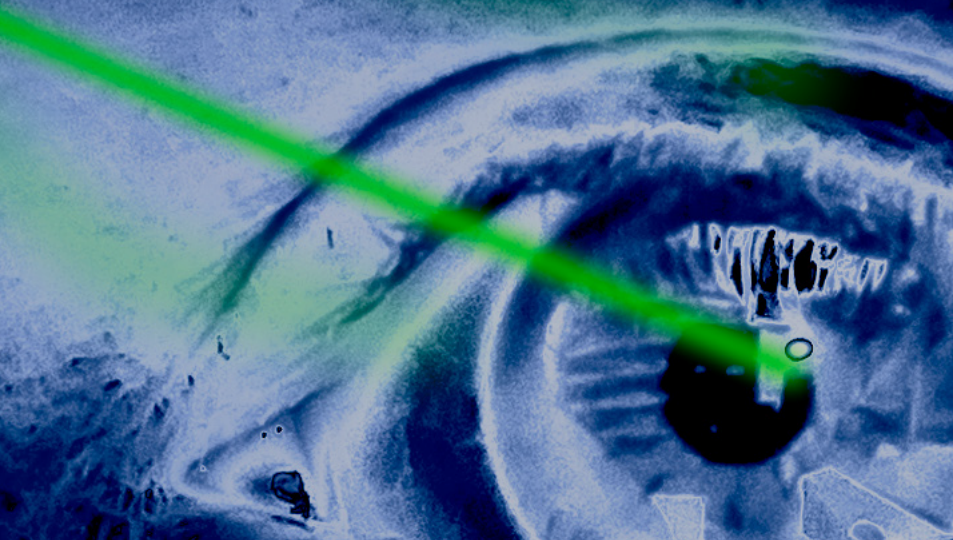
**The most intuitive integration of 2 lasers**

**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 10mJ - Single Pulse	2mJ 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 eyes or skin or scattered radiation.  
**laser class:** see technical specifications



**A.R.C. LASER**  
enlighten your surgery.

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Alterations of the described features or pictured features are possible. Please keep updated on the current status before ordering.

Subject to change without notice.