

**A.R.C.
LASER**

enlighten your surgery.



COBRA

Next Generation
COMPACT LASER
Nd:YAG and SLT

LASER...INNOVATION
MADE IN GERMANY

www.arclaser.com info@arclaser.com

COBRA

Nd:YAG and SLT united

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



Reference

Display and handling
of SLT and Nd:YAG

Slit lamp:
Optimized for the
anterior segment

SLT Laser:
Quick Refresh ~10Hz
Rep-Rate, TouchScreen

Nd:YAG Laser:
Best in its class
precision focus spot

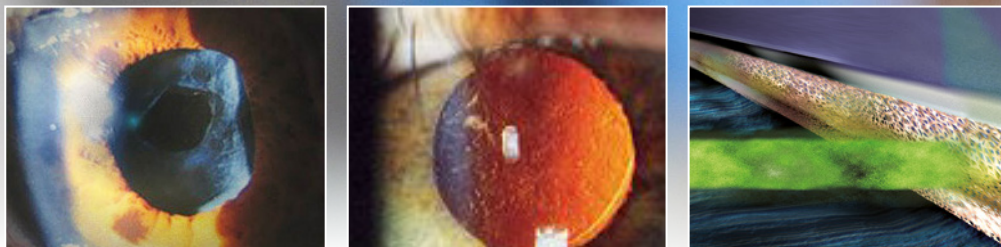
THE ADVANTAGES OF AN INTELLIGENT DESIGN

- Wheel chair accessible:
2 columns design
- Electronic
height-adjustment
up to 920 mm with
height adjustable lifts
- The compact system combines laser, table and slit lamp - wheels are available upon request.



SURPASSING YOUR EXPECTATIONS.

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



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

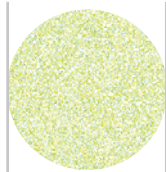
COBRA

Our new concept is combining two lasers into one and therefore offering practical advantages:
This prolongs service life and increases your safety at work.

SLT- and Nd:YAG-Laser are indispensable as glaucoma lasers in your modern ophthalmological practice.

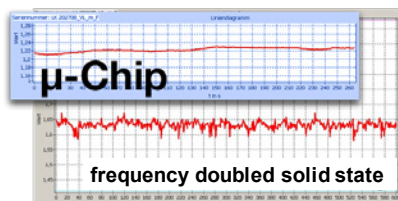
A.R.C. Laser offers an unique energy distribution over the entire spot and stands for the safest treatment quality and a reliable reproducibility.

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.

The juxtaposition of modern and conventional Laser systems proves the **benefits of μ -Chip-Lasers:**



- high repetition rates
- homogeneous,
- stable,
- reproducible

μ -Chip Technology

Brilliant details

Slit lamp PCL5

Specially coated optics will provide a detailed view into the eye. The integrated Neutral Coating reduces the laser emission.

μ -Chip SLT, homogeneous

Modern technology redefines the SLT. No UV light at the cavity. Theoretically unlimited – stable throughout the entire life of the patient.

Laser trigger

Height adjustment, slit lamp (rapid trigger mode).

Worldwide highest reputation

Other SLT systems base on sensors. That's why those systems are not reliable. The modern A.R.C. μ -Chip

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

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



ails - durable laser system - Made in Germany

with parallel or convergent tube
to the anterior segment.
Color Filter protects from irregular

ous spot

ines the SLT. No heating and
The life time of the CITO 532 is
stable and without losing energy
cycle.

mp mobility and RTM laser trigger

stitution rate

on flashlight emission.
depends on charging cycles of con-
lasers have a slow rep-rate.
o SLT stands out thanks to:



**A.R.C.
LASER**

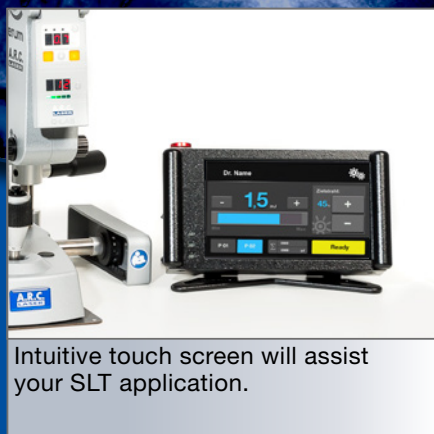
The most consequent integration of 2 lasers

FUNCTIONALITY
is in focus: **COBRA**

The most modern
 μ -chip SLT with
the highest
repetition rate –
together with
a longlife
Nd:YAG-Laser



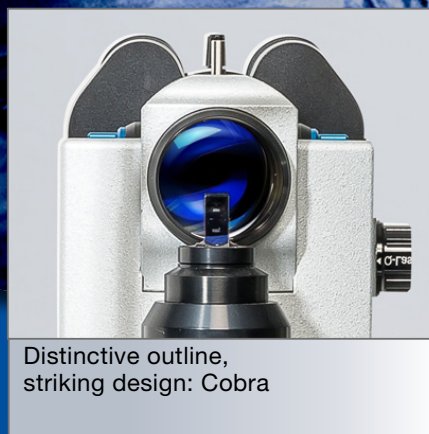
ERGONOMICS AND DURABILITY IN AN INNOVATIVE DESIGN.



Intuitive touch screen will assist your SLT application.



Simple and safe selection of SLT or YAG application.



Distinctive outline, striking 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	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



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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.