

**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 info@arclaser.com

COBRA

Nd:YAG and SLT united

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



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.

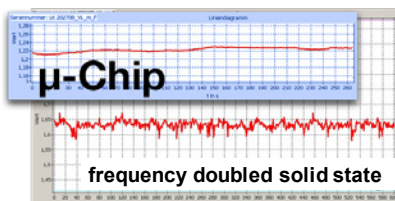
A.R.C. Laser creates uniform energy distribution over the entire spot for safest treatment quality and reliable reproducibility.

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
- reproducible results

μ -Chip Technology

Attention to

Slit lamp PCL5

Specially coated optics with a neutral color filter prevent a detailed view into the eye.

μ -Chip SLT, homogeneous

Modern technology redefines the SLT. UV light at the cavity, plus a theoretically unlimited – stable – energy output 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 energy is released in cycles of capacitors, which results in a slow repetition rate. The SLT has passed because of:

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

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



detail - durable laser system design - Made in Germany

with parallel or convergent tube en-
the anterior segment. The integrated
its 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 repitition rate

sed on flashlamp emission mean-
beam depends upon the charging
h is why those lasers have such
new A.R.C. μ -Chip SLT is unsur-



**A.R.C.
LASER**

The most intuitive integration of 2 lasers

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

The latest
 μ -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 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.