CITO 532
SLT-LASER

A.R.C. LASER
MADE IN GERMANY

FOR EFFECTIVE GLAUCOMA THERAPY



ARCLASER.DE

Modern laser architecture

µ-Chip SLT Laser

The innovative microchip technology of the CITO 532 replaces the inefficient flash lamp technology, which would significantly shorten the service life of a laser due to UV light and heat generation.

CITO 532 focuses on longevity, without energy loss over the entire life cycle with the world's fastest repetition rate, homogeneous energy distribution and constant energy stability from pulse to pulse.

PCL 5 Z

Premium TrueColour eye protection filter

Microscope optics parallel as standard, optionally in convergent version.

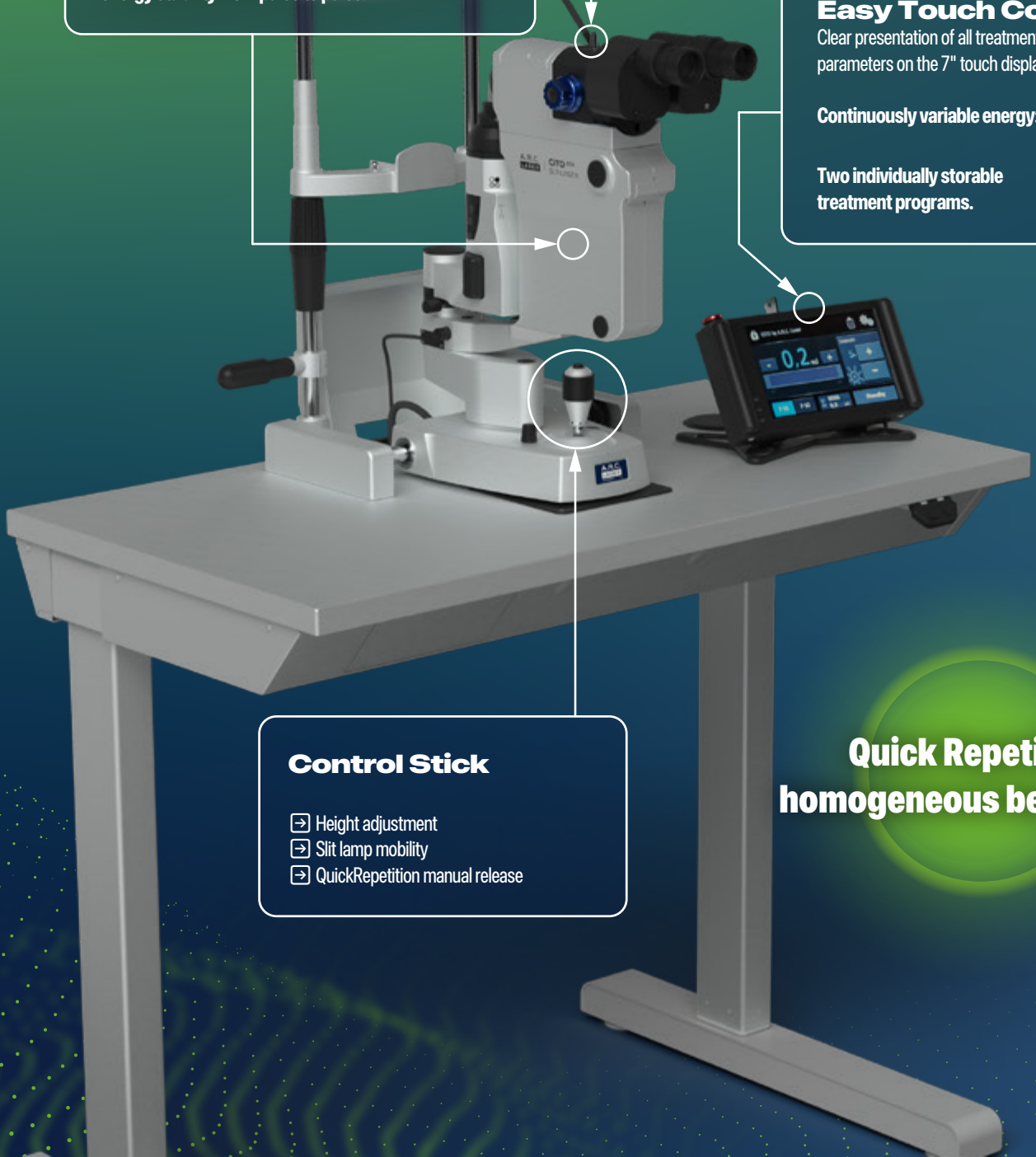
Brilliant precision optics for the front section of the eye ensure outstanding image quality and a detailed display.

Easy Touch Control

Clear presentation of all treatment-relevant parameters on the 7" touch display

Continuously variable energy: 0.2 - 2 mJ

Two individually storable treatment programs.



Control Stick

- Height adjustment
- Slit lamp mobility
- QuickRepetition manual release

Quick Repetition & homogeneous beam profile

µ-CHIP
Technology

Innovative µ-chip technology

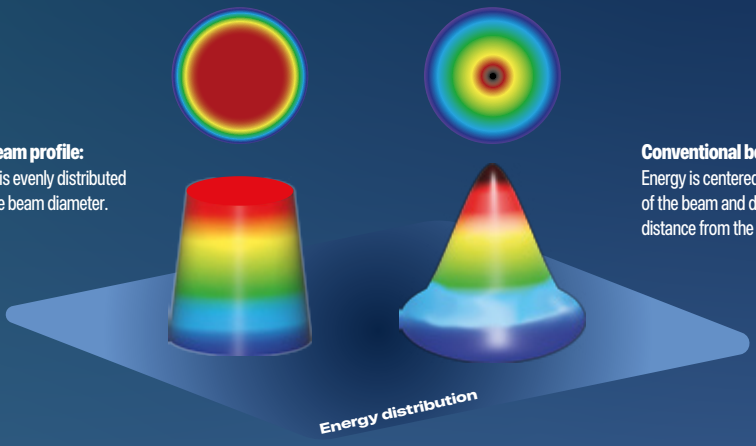
Homogeneity:

Homogeneous energy distribution across the 400 µm beam diameter ensures uniform, seamless treatment.



Homogeneous
400 µm
CITO laser spot

CITO 532 Beam profile:
Laser energy is evenly distributed over the entire beam diameter.



Conventional beam profile:
Energy is centered in the middle of the beam and decreases with distance from the center.

Reproducibility:

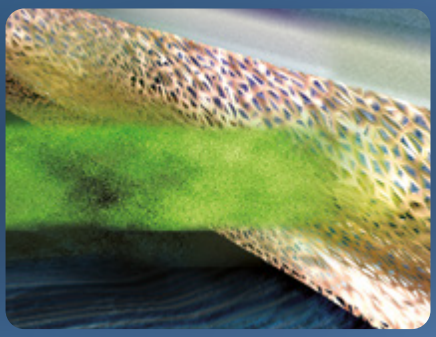
Energy stability from pulse to pulse over the entire duration of treatment makes SLT particularly predictable, as energy fluctuations are avoided.

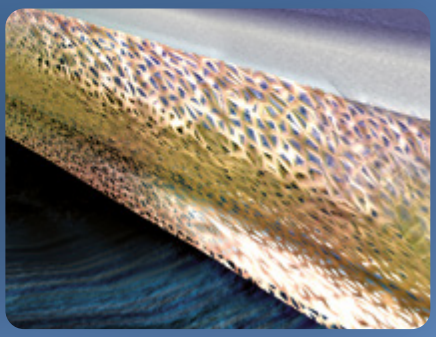
Speed:

With the world's fastest repetition rate of up to 10 Hz, you can reduce treatment times to a minimum and increase treatment comfort.

Selective laser trabeculoplasty (SLT) for open-angle glaucoma







The energy of the green laser (532 nm) is applied in short, defined laser pulses (4 ns) homogeneously distributed over a 400 µm beam diameter in the trabecular meshwork, where it is selectively absorbed by the pigmented cells. This recruits macrophages, which remove cell debris and extracellular melanin from the trabecular meshwork. In addition, macrophages stimulate the release of cytokines which, among other things, increase the permeability of the endothelial layers of the trabecular meshwork and Schlemm's canal and ensure better drainage of the aqueous humor. As this process causes neither structural nor thermal damage, SLT is repeatable.

www.ARCLASER.DE

CE 0123 A.R.C. Laser ist zertifiziert nach EN ISO 13485:2012 + AC:2012 93/42 EWG

A.R.C. LASER

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