



**Q-LAS**  
Nd:YAG Laser

**A.R.C.**  
**LASER**  
MADE IN GERMANY

Advanced  
**Q-switched laser performance**

High-efficiency  $\mu$ -Chip Technology  
optimized for fast repetition and durability

**EFFICIENCY**  
**SPEED**  
**FOCUS**



**Capsulotomy**

**Iridotomy**

# Q-LAS connects

Economy and ergonomics  
with innovative design

1064 nm

## Dual-side controls

- ➔ Energy setting: continuous from 0.5 - 10 mJ
- ➔ Focus shift: 0, 150 and 300  $\mu$ m posterior
- ➔ Aiming beam brightness

## PCL 5<sup>z</sup>

- ➔ Premium TrueColour medical protection filter
- ➔ Microscope optics parallel as standard, convergent version optional
- ➔ Brilliant precision optics for the anterior section of the eye ensures outstanding image quality and a detailed view.

## Tilttable control panel

- ➔ High-contrast display with individually adjustable brightness
- ➔ Ergonomic operation with raised buttons
- ➔ Single, dual and triple burst mode
- ➔ Pulse and energy counter

## Control Stick

- ➔ Height adjustment
- ➔ Slit lamp mobility
- ➔ Manual release for ergonomic application at max. 10 Hz

powered by

**μ-CHIP**  
Technology

## Efficiency

μ-Chip Technology represents a diode-pumped laser cavity design, offering key advantages that enable highly efficient and reliable laser operation

- **Great pulse-to-pulse stability thanks to stable energy supply**  
→ consistent and reliable treatments
- **No thermal influence on the cavity**  
→ no missing pulses
- **Optical properties of q-switch cell are not anymore compromised by UV from flash lamps**  
→ reliable technology

Flash Lamp pumped cavity



Diode pumped cavity



## Speed

μ-Chip Technology no longer requires capacitor recharging making the Q-Las world's fastest firing Nd:YAG laser with repetition rates up to 10 Hz.

### Benefit from high repetition rates:

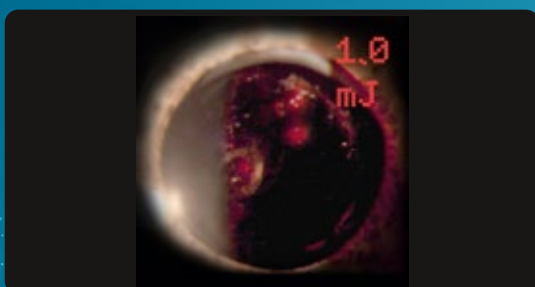
- Less influence of motion artefacts during the treatment
- Minimized total energy due to less application of defocused ineffective laser exposures
- Minimized treatment time - maximized patient comfort



**QuickRepetition 10Hz  
based on μ-Chip technology**  
the world's fastest repetition rate  
for the shortest treatment duration

## Focus

Keep your eyes on the treatment area thanks to head-up display combined with perfect illumination and visualisation



### Head-up display

Adjust the energy level without diverting your attention to the control panel. The current energy setting is displayed in the eyepiece with minimal interference to the visual field. Additionally, a pulse counter is mirrored after each pulse.



# Dual-spot aiming beam technology

For effortless focusing, a dual aiming beam is utilized, with the two beams arranged vertically to ensure clear visibility, even in challenging conditions.



The beam's brightness can be easily adjusted using the control located on the side of the console.

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