

CLASSIC 514 RETINAL LASER

A.R.C.
LASER

MADE IN GERMANY ○ ● ●

THE WORLD'S ONLY

RETINAL COAGULATOR

WITH ORIGINAL

ARGON WAVELENGTH

**ORIGINAL ARGON
100% COAXIAL
SOFT**



powered by

ARGON
GREEN
Technology

APL MODE - INCLUDED
FOR PRECISE RETINAL THERAPY.

ARCLASER.COM

CLASSIC⁵¹⁴ RETINAL LASER

**RETINAL COAGULATION
RETINAL THERAPY**

The **retinal laser** for your practice!

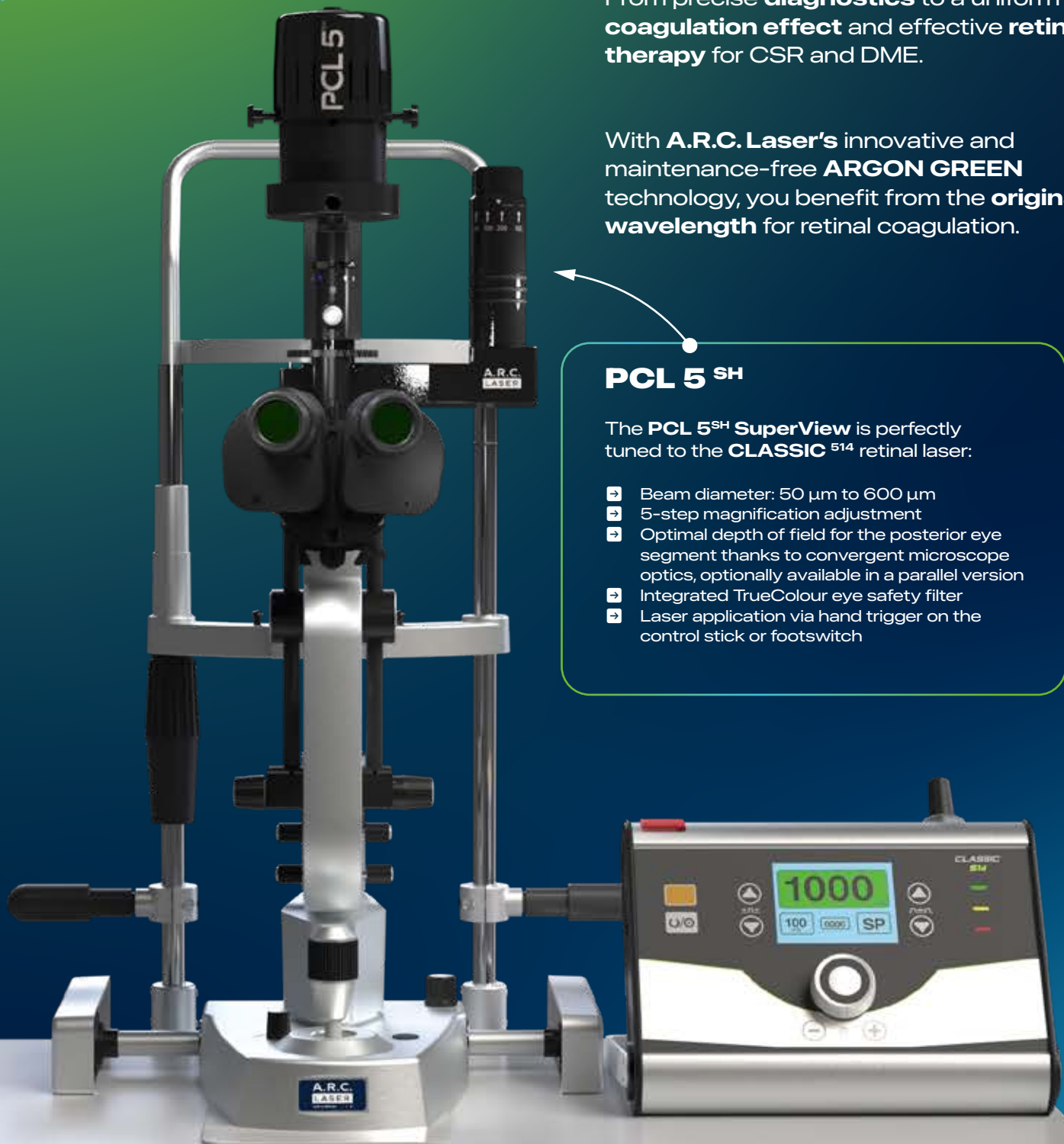
From precise **diagnostics** to a uniform **laser coagulation effect** and effective **retinal therapy** for CSR and DME.

With **A.R.C. Laser's** innovative and maintenance-free **ARGON GREEN** technology, you benefit from the **original wavelength** for retinal coagulation.

PCL 5^{SH}

The **PCL 5^{SH} SuperView** is perfectly tuned to the **CLASSIC⁵¹⁴** retinal laser:

- ➡ Beam diameter: 50 µm to 600 µm
- ➡ 5-step magnification adjustment
- ➡ Optimal depth of field for the posterior eye segment thanks to convergent microscope optics, optionally available in a parallel version
- ➡ Integrated TrueColour eye safety filter
- ➡ Laser application via hand trigger on the control stick or footswitch



CLASSIC 514

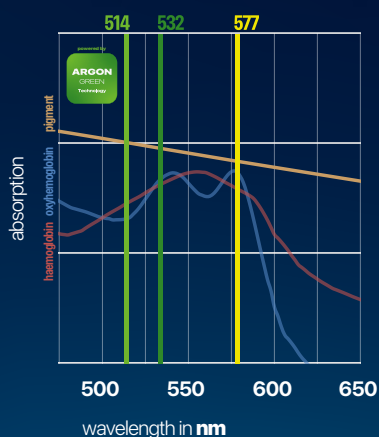
High-contrast display with a large, clear representation of laser power, easily visible from the side.

Intuitive, ergonomic operation:

- ▶ Raised buttons for adjusting laser duration and pulse timing
- ▶ Comfortable control wheel with haptic feedback for power adjustment
- ▶ Small, compact design for maximum workspace on the slit lamp table
- ▶ Continuous power range from 0.05 to 1.2 W



Original Argon wavelength gentle coagulation in a compact design



CLASSIC 514 offers maximum energy absorption in the RPE with minimal hemoglobin absorption compared to alternative retinal lasers.

Result:

The laser spots coagulate evenly without a hot-spot effect, minimizing the risk of bleeding.

powered by

ARGON
GREEN
Technology



The Argon wavelength – now in a compact, maintenance-free device.

The original Argon wavelength offers the following treatment benefits:

- ▶ Increased patient comfort due to significantly reduced pain perception
- ▶ Improved patient compliance and shorter treatment times for enhanced efficiency

pain perception



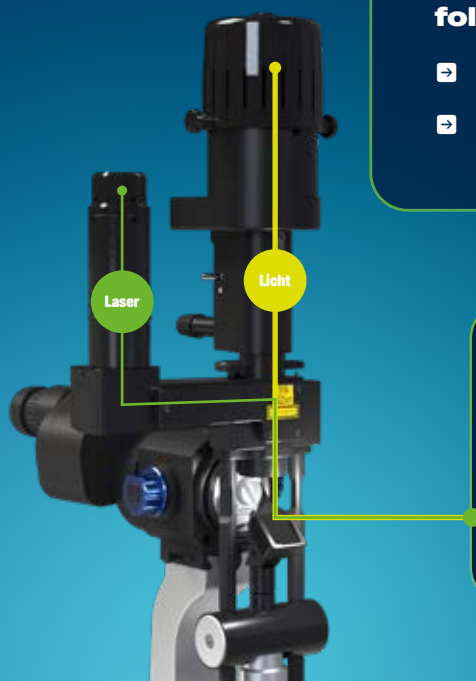
514 nm
photocoagulation



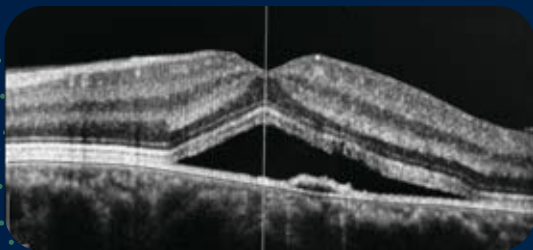
532 nm
photocoagulation

100% COAXIAL

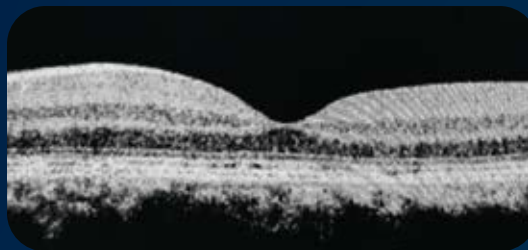
The premium slit lamp PCL 5 SH with A.R.C. Laser SuperView provides outstanding visibility in the posterior segment – both centrally and in the periphery. Illumination, viewing, and the laser beam are 100% coaxially aligned, ensuring exceptional user comfort.



APL Mode – Microsecond Pulses for Precise Retinal Therapy in CSR and DME



RCS patient before APL therapy.



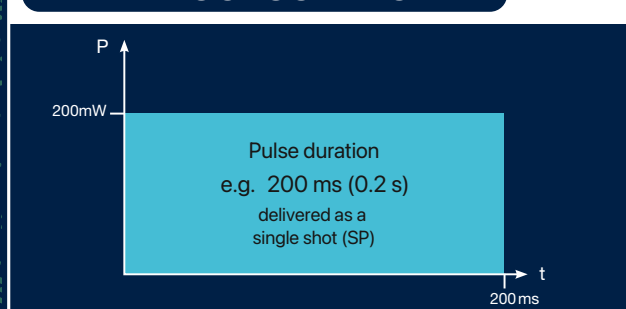
Patient 16 weeks after treatment.

With the kind permission of
Dr. Karola Wuzer (Fürth).

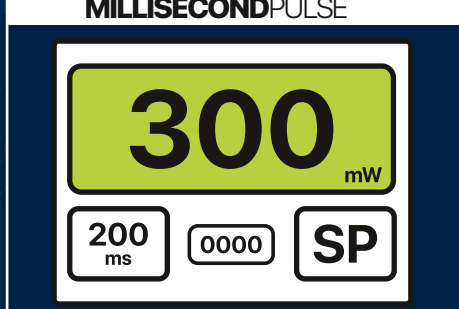
The continuous input of laser energy into the tissue leads to a steady temperature increase, which, once a certain threshold is reached, triggers the typical coagulation effect.

For targeted retinal therapy in the macular region, it is crucial to avoid this effect. Therefore, the energy is applied in microsecond pulses with a constant laser pulse duration, ensuring that only 5 to 15% (duty cycle) of the coagulation threshold energy is effectively used.

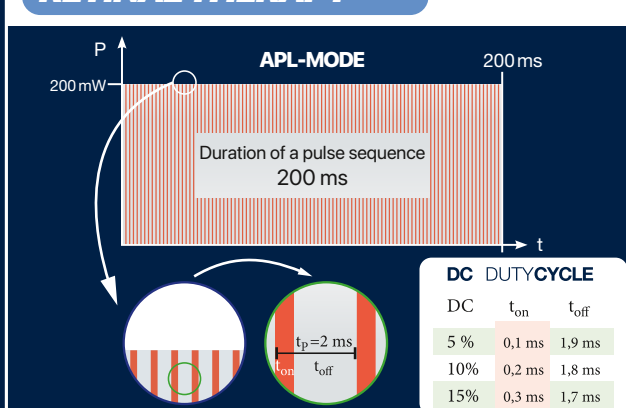
RETINAL COAGULATION



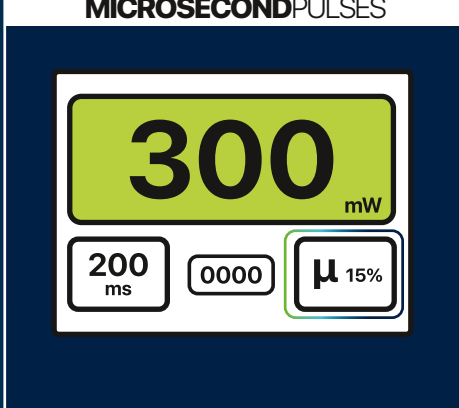
MILLISECOND PULSE



RETINAL THERAPY



MICROSECOND PULSES



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LASER
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A.R.C. Laser GmbH
Bessemerstr. 14
90411 Nuernberg

Telefon: +49 (0) 911-21779-0
Telefax: +49 (0) 911-21779-99
E-Mail: info@arclaser.de