



# Diode Lasers & Solid-State Lasers

## for Medical Applications



# Hair Removal & Dermatology



Safe, gentle & effective hair removal in all regions of the body as well as treatment of vascular lesions, wrinkles, acne, fat cells or pigments and tattoo removal.



## JOLD-x-QA-8A

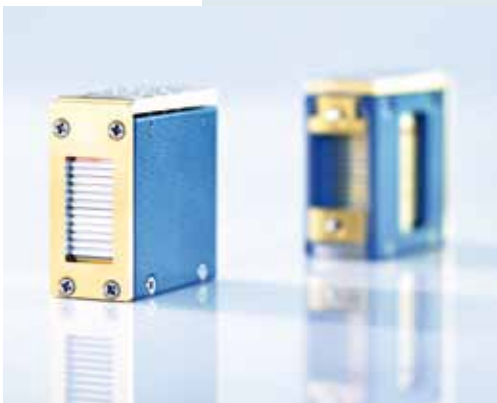
Vertical diode laser stack, passively cooled

Power: up to 600 W @ 808 nm hard pulsed

Wavelength: 808 and 9xx nm

### Features

- Up to 60 J / cm<sup>2</sup> @ 100 ms pulses, 2 Hz
- Tap water cooled & hermetically sealed stack
- Light weight (< 60 g)
- Version with FA collimated beam available



## JOLD-x-CAFN-12A

Vertical diode laser stack, actively cooled

Power: up to 1,000 W cw / pulsed

Wavelength: 808 and 9xx nm

### Features

- Version with FA/SA collimated beam available

# Ophthalmology



The application of photocoagulation of the human retina is the most common laser surgery. This therapy treats age-related macular degeneration (AMD) or diabetic retinopathy.



## JenLas<sup>®</sup> D2.mini 2/3W

Diode-pumped thin-disk laser, frequency-doubled

Power: 2 / 3 W cw

Wavelength: 532 nm

### Features

- Small footprint
- Low heat dissipation
- OEM design



## JenLas<sup>®</sup> D2.mini 5/8W

Diode-pumped thin-disk laser, frequency-doubled

Power: 5 / 8 W cw

Wavelength: 532 nm

### Features

- Minimal dimensions
- Very good beam quality
- Highly efficient

# Surgery



Medical diode lasers can be used for coagulating blood vessels or cutting tissue (frenectomy).

The laser vaporisation is an effective method for removing cancer cells.



## JOLD-30-FCM-12 / JOLD-30-FCM-14

Fiber-coupled diode laser, passively cooled

Power: 30 W cw

Wavelength: 808, 940 and 976 nm

### Features

- Fiber core diameter of 200  $\mu\text{m}$  / 400  $\mu\text{m}$  (NA 0.22)
- Integrated pilot laser and 2 power monitors
- 2 Internal fiber detectors (interlock)
- Externally exchangeable protection glass



## JOLD-100-CPXF-2P A

Fiber-coupled diode laser, passively cooled with air

Power: 100 W cw

Wavelength: 880 and 9xx nm

### Features

- Fiber core diameter of 400  $\mu\text{m}$  (NA 0.22)
- Integrated pilot laser and power monitor
- No water or TEC needed

# Lasers for Medical Applications by Jenoptik

Today's medical equipment integrates a great variety of laser systems with different performance features. The demand for cost efficient and reliable lasers in medical treatments increases due to the aging population and the quest for beauty.

Jenoptik offers high-brightness and reliable OEM diode lasers as well as compact OEM solid-state lasers that are cost effective and ideal for integration into medical therapy systems.

Small effective and ready for use. Prepared for the future with Jenoptik lasers. Always for the success of your company.

JENOPTIK Laser GmbH offers the **entire technology chain in the field of OEM laser sources.**

Starting from high-quality unmounted semiconductor materials to reliable high-power diode lasers as well as innovative solid-state lasers, e.g. thin-disk lasers and fiber lasers. You receive the complete value added chain directly from one partner.

JENOPTIK Laser GmbH belongs to the Jenoptik Group and is a company of the Lasers & Material Processing division with its location in the high-tech center of Jena in Germany.

## Product Portfolio



Note: Customized designs, other output powers and wavelengths on request.



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It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.