

# CONQUEROR<sup>SERIES</sup>

**WORKING ON ALL COMMON MATERIALS.**

ON TOP: in-glass-engraving, diamonds, ceramics, gold, silver, brass, copper, ...

selectable wavelength  
(532 nm / 1064 nm)

high repetition rate /  
single-shot-operation

short pulse width

0.65 mJ energy per  
pulse @ 7ns (532 nm)

diffraction limited  
( $M^2 < 1.2$ )

made in Germany

long diode life

entirely air-cooled

ultra small footprint

high-speed scanner

high wall-plug efficiency

maintenance free operation

easy to integrate



ultra small control unit

THEODORE I. (532nm)



OEM - LASER SOURCE



THEODORE II. (1064nm)



## WE MARK THE FUTURE

What would you say, if someone offered you a Q-switched DPSS-marking laser made in Germany with high pulse-peak-power and an excellent beam-quality for a sensational price. A laser that features a short pulse width of only several nanoseconds, 0.65 mJ energy per pulse @ 7ns (532 nm), high repetition rates and single-shot-operation.

When inventing this new laser we created a special resonator-design which enables the CONQUEROR to produce very high pulse-peak-power. Even though the CONQUEROR has an ultra-small footprint, it is solely air-cooled.

The CONQUEROR is your choice, when a maximum versatility is required. In contrast to most of the conventional lasers including fibre-laser concepts the CONQUEROR series offers various unbeatable advantages to achieve an extraordinary wide spectrum of applications.

With the CONQUEROR you can even mark glass (including in-glass-engraving!), diamonds, ceramics, gold, brass and copper in excellent quality. The CONQUEROR is not only a marking-laser: You can also use the laser to drill, scribe, trim, engrave, ablate, insulate, anneal, perforate and structure different materials, just to mention some applications.

The CONQUEROR-series features an extremely small footprint: The laser itself is not much bigger than an eyeglasses case! As a consequence it can virtually be integrated everywhere, even in very small environments. Feel free to use the CONQUEROR as a stand-alone-system/in a workstation or to integrate the laser into a gantry-system or production-line.

The CONQUEROR-series works with long-lifetime-laserdiodes and operates maintenance free.

Should a diode-exchange be necessary one day, it can easily be done anywhere, meaning that the lasersystem can stay on-site. The convenient configuration of the laser diode inside the power-supply enables you to exchange the diode without affecting the laser head.

Depending on your application, you can choose between a wavelength of 532 nm and a wavelength of 1064 nm.

Combined with high-speed-scanheads and top-brand F-Theta-lenses you get a lasersystem that is ready to serve you – just plug and play!

