

# PERPETUUM™ – the future is wearable

The worlds first patented handheld laser marker generation

## Laser to object instead of object to laser

- Ultra compact outer dimension smaller than DIN A4, weighing < 6kg
- Q-switched, up to 10W cw 1064nm, or up to 5W cw 532nm
- TEM<sub>00</sub> mode, near diffraction limited
- Nano-second pulse range
- Integrated vision system for verification
- Available as operating system or OEM-beam source
- Optional battery powered
- 1 hours continuous 5W cw green laser beam (532nm) results in several hours processing time for production use



Miniaturizing ensured by worldwide patented technologies

**PERPETUUM™ - Laser.**  
Innovative. Powerful. Reliable.



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## → PERPETUUM™ - LASER

The Q-switched marking and precision-machining device PERPETUUM™ represents the world's very first wearable, hand-held, high-power, diode-pumped marking laser.

By virtue of its unique concept, the system is optional available as battery-powered version and operates always in laser class 1 condition. The device generates, even with the rechargeable battery-package in a size of a human fist, as pulsed version up to 10W (cw) infrared beam (1064nm) or alternatively as green laser (532nm) 5W (cw). The wearable, battery-powered version offers several hours of wall-plug-autarchic marking process-time.

Pump-diode rates in excess of typically 12,000 hours and the practically maintenance-free, pure air-cooling design, eliminates most known process barriers - cost-effectiveness will be in the limelight.

This wearable laser marking system can process a wide variety of materials, including stainless steel, aluminium, carbide, most plastics, chrome, painted alloys, coated - and galvanised metals, as well as glass and transparent materials (532nm) a.o.

A comprehensive operating software ensures marking applications such as Alphanumerics in various fonts, Logos, Graphics, Serialized Part Numbers, 2D-Matrix and Barcodes as well as complete schematics.

