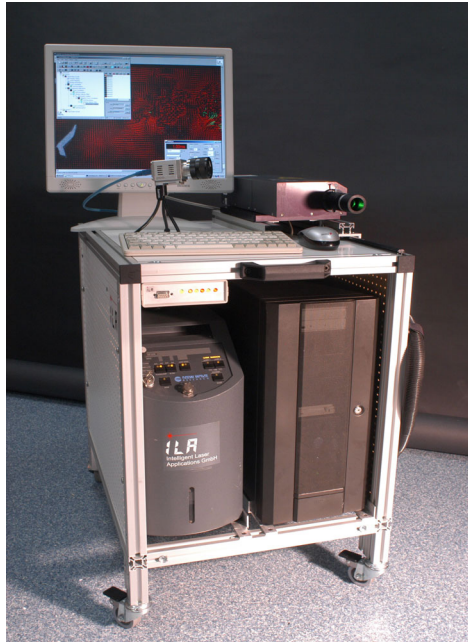


Celebrating 10 Years of Intelligent Laser Applications ILA's Special Anniversary Offer: Complete PIV System

only € 36.500,-*



PIV system

top left: CCD camera with mounted lens and bandpass filter; background: TFT with VidPIV screenshot; top right: light sheet optics in front of laser head; down: Synchronizer, processor and laser power supply preinstalled and wired in compact mobile rack

PIV System consisting of

- New Wave Solo I-PIV15, Dual Nd:YAG laser
15 mJ at 532 nm each cavity, up to 15 Hz
- Compact and smooth-action divergent Light Sheet Optics (20 and 50 degrees)
- External PIV Synchronizer, USB-programmable
- Compact, high Quantum Efficiency PCO cross-correlation camera (up to 65% QE, down to 10 μ s interframing time)
- Removable PIV bandpass filter, 532 nm
- 25mm f/1.4 manual focus lens
- PIV processor, GHz-CPU, 17" TFT, DVD/CD-RW
- High-quality mobile system chassis
- VidPIV 4.6 XP, ILA's PIV software with support for completely remote-controlled operation of PIV system, extensive post-processing and image analysis functions using the unique and intuitive handling tree structure; newest functions and algorithms included, e.g. online correlation, subpixel offset shift using B-Spline, window deformation (differential) of both images, tree-based multi-pass correlation, POD analysis

Velocity Dynamic Range and Spatial Resolution

Achievable field of illumination (mm) with 2 x 15 mJ laser:

in water 300 x 230 (particles \varnothing 10 - 50 μ m), in air 200 x 150 (particles \varnothing 1 - 5 μ m)

Velocity measurement range: up to 100 m/s (only limited by interframing time, image magnification factor, region of interest and size of interrogation window)

This PIV system will meet user needs in numerous typical PIV applications!

*) exclusive of V.A.T. and local taxes, exclusive postage and packing, on-site installation and education available for extra charge according to location

