FlowMaster MITAS

The **FlowMaster MITAS** laser imaging system comprises a fully motorized 3-axis microscope stage with a high performance controller and a high precision microscope objective. For standard applications a 500mW DPSS laser for pulsed illumination, a high sensitive, dual frame-multiple exposure **CCD camera** is used. A system PC with built-in synchronisation unit controls the complete laser imaging system. LaVision's modular **DaVis** software is used for advanced image acquisition and data analysis. The xyz(focus)-traverse system can be operated manually using a joy stick or the device control manager in **DaVis**. The light is delivered through an optical fiber to the microscope. A built-in pilot LED is used for target focusing. The filter cube exchange box allows a fast adaptation for different excitation and emission wavelengths. **CCD camera**, light source and synchronization are also under **DaVis** control.

Applications
- micro-fluidics
- MEMS research and prototyping
- blood flows
- micro mixing
- forensics
- shape and growth of micro organisms
- boundary layer
- small scale transport and chemistry
- fuel cells
- µ-particle flows

Casp System sp z o.o. 43-603 Jaworzno, ul. Puszkina 2
e-mail: biuro@casp.pl tel./fax: (032) 614 09 17 do 19
www: www.casp.pl gsm.: (048) 608 642 108