

FlowMaster **High Speed time resolved PIV**

FlowMaster High-Speed opens new areas of fluid dynamic analysis. It combines the spatial information of digital PIV with the temporal evolution of each point.

High-Speed PIV measures velocity and acceleration fields and turbulence quantities of transient phenomena. The time-resolved PIV information opens a new area for derivations or correlations in time. It allows to obtain the "real" quantities of transient and turbulent flows.

LaVision's **FlowMaster high speed systems** include state-of-the-art digital high-speed cameras with several kHz frame rate at full resolution of 1k x 1k pixel and up to several 100 kHz frame rate at reduced resolution. Single or dual cavity high-repetition rate solid state lasers up to several 10 mJ per pulse and up to 20 kHz repetition rate are available. All components are fully controlled from the **DaVis** software.

