

MatchID

Metrology beyond colors

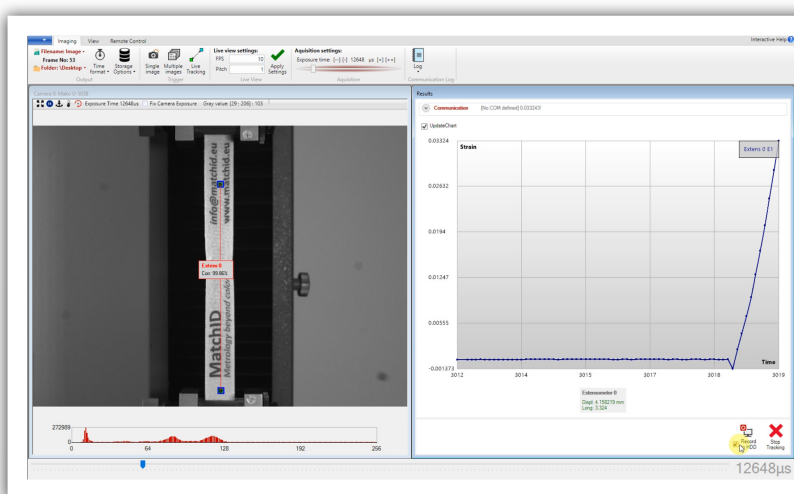
Live Experimental Feedback

MatchID's Live Experimental Feedback (LEF) module allows seamless control of your test system, by directly feeding back DIC measurements in real time.

This integration makes it possible to perform smooth location-, displacement or strain-based experiments.

Apart from point-tracking and extensometry, the LEF-module allows for real-time full-field DIC tests, giving you direct insights into the real-time evolution and behaviour of your experiments.

This allows user to display full-field measurements in real-time, both in 2D as in Stereo experiments.



Key Features

- ✓ Formal integration
- ✓ Smooth control
- ✓ High accuracy
- ✓ Real-time
- ✓ Full-field

Applications

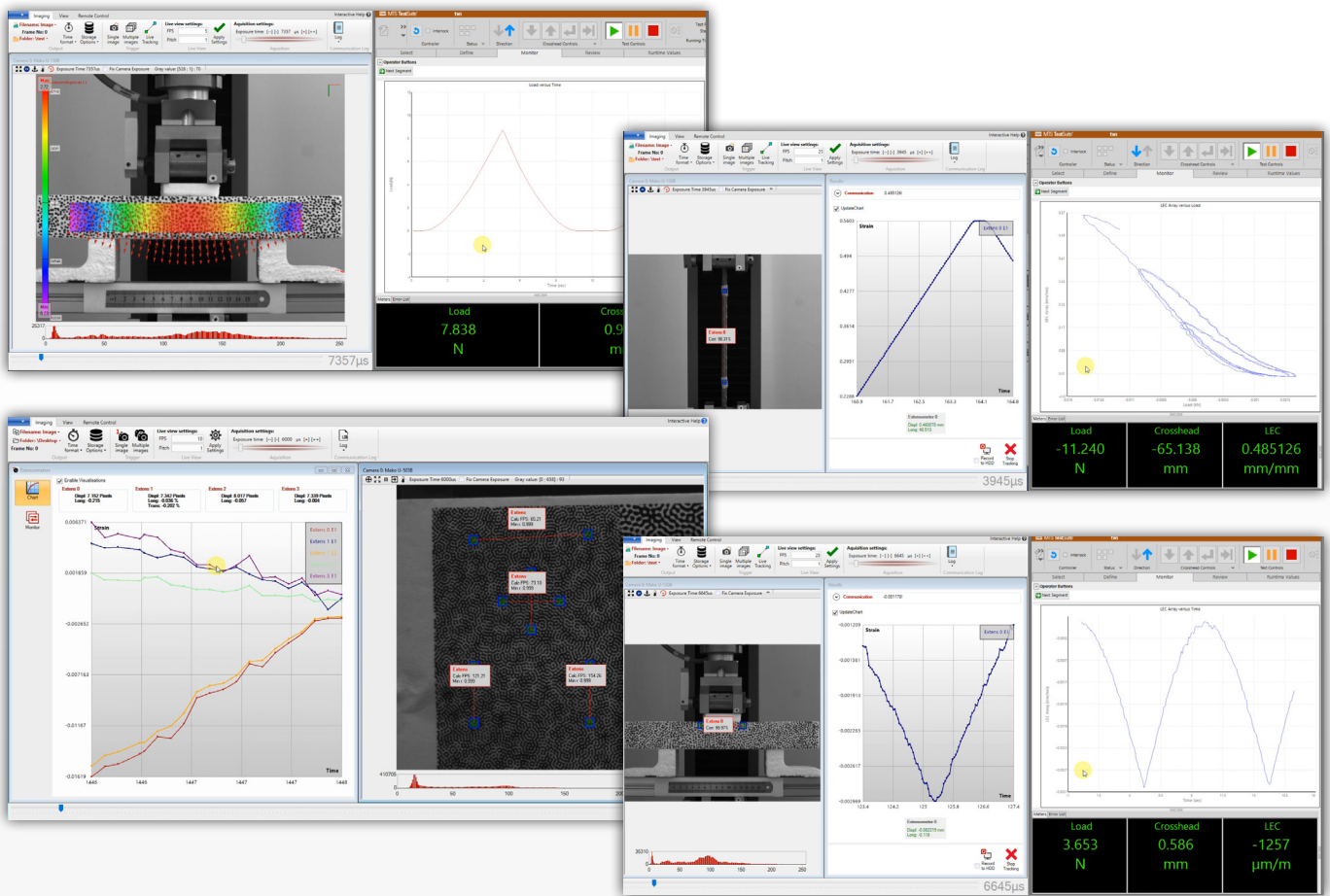
- ✓ Any DIC test
- ✓ Any material
- ✓ Any behaviour
- ✓ Monitoring

Customer Benefits

- ✓ Automated control
- ✓ Strain-managed tests
- ✓ Real-time insights
- ✓ Visualise test evolution
- ✓ Optimised configuration (#points, fps, res)

Competitive Advantages

- ✓ Multiple brands
- ✓ Wide temp range
- ✓ Dedicated integration
- ✓ Extreme accuracy
- ✓ Balanced settings



About MatchID

MatchID is a university spin-off, developing open, high-end, engineering software.

At the core of **MatchID**'s offering sits a holistic DIC-platform, providing quantitative result interpretation with integrated error assessment.

Many DIC systems generate coloured images to mark changes, such as strains or displacements; mostly operating by the black-box principle, these results merely show WHAT is happening in your experiment.

MatchID however answers the more important question: WHY and HOW does deformation happen; we provide insight into result creation, rather than having you test presumptions, thereby taking Digital Image Correlation to the next level.

Building on our DIC results, we do identification of mechanical properties of materials through the Virtual Fields Method (VFM).

Structural validation of Finite Element simulations is also supported, by establishing a one-to-one relation between model and experiment in the FEA module (FE-VAL).

Ultimate flexibility is offered by allowing direct interaction with external scripts, functions or programs through our universal Programming Language Interface (PLI).

The **MatchID** app-store allows for storing, using and buying or selling of third party tools.

In-depth training is available in the form of annual courses, webinars, self-training and online exercises.