

# MatchID

Metrology beyond colors

## Automated optimisation and advanced insights

**MatchID's** completely unique Performance Analysis module (MI-PA) comes standard with any correlation engine.

This extremely powerful DIC convergence tool allows the user to optimise all variables and all parameters influencing an experiment.

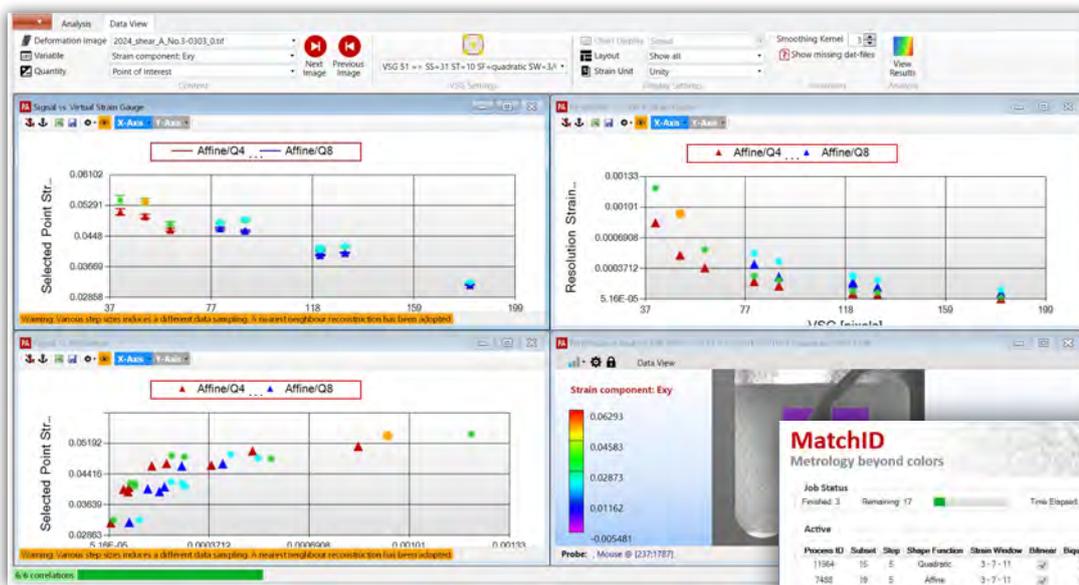
It allows an easy selection of that combination of settings that most adequately matches the goal of an experiment, and experiment configurations can easily be saved, exported and reloaded.

The PA module provides FULL insight into the behaviour of DIC tests, the influence of variables on outcome, and the relations between parameters.

In all, the PA module drastically increases the value of any an every experiment.



Key Features	Applications	Customer Benefits	Competitive Advantages
<ul style="list-style-type: none"> <li>✓ Experiment optimisation</li> <li>✓ Virtual tests</li> <li>✓ Optimal parameter selection</li> <li>✓ Save/export/reload</li> <li>✓ Quantify DIC test</li> <li>✓ Validated test results</li> </ul>	<ul style="list-style-type: none"> <li>✓ Any DIC system</li> <li>✓ 2D as well as Stereo</li> <li>✓ Quasi-static and high-speed</li> <li>✓ Any vertical</li> <li>✓ Any material</li> <li>✓ Any test</li> </ul>	<ul style="list-style-type: none"> <li>✓ Best possible results</li> <li>✓ Certainty of outcome</li> <li>✓ Repeatable experiments</li> <li>✓ From novice to expert</li> <li>✓ Better &amp; faster results</li> </ul>	<ul style="list-style-type: none"> <li>✓ Highest quality outcome</li> <li>✓ Insights in test</li> <li>✓ Validated results</li> <li>✓ Quantified tests</li> <li>✓ DIC as metrology tool</li> </ul>



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Job Status: Finished 3 Remaining 17 Time Elapsed: 02:48

Process ID	Subset	Step	Shape Function	Strain Window	Blurred	Extrapolated	File Progress	% Images	Status
11964	15	5	Quadratic	3-7-11	☑	☑	100	5/5	Strain
13548	19	5	Affine	3-7-11	☑	☑	100	5/5	Strain
13548	19	5	Quadratic	3-7-11	☑	☑	100	5/5	Strain
13056	23	5	Affine	3-7-11	☑	☑	77	2/5	Running
14400	23	6	Quadratic	3-7-11	☑	☑	27	0/5	Running
11882	23	10	Affine	3-7-11	☑	☑	100	1/5	Running

Process ID	Subset	Step	Shape Function	Strain Window	Blurred	Extrapolated	File Progress	% Images	Status
0	23	10	Quadratic	3-7-11	☑	☑	0	0/5	In Queue
0	27	5	Affine	3-7-11	☑	☑	0	0/5	In Queue
0	27	5	Quadratic	3-7-11	☑	☑	0	0/5	In Queue
0	27	10	Affine	3-7-11	☑	☑	0	0/5	In Queue

Process ID	Subset	Step	Shape Function	Strain Window	Blurred	Extrapolated	% Images	Status	
11950	11	5	Affine	3-7-11	☑	☑	100	5/5	Finished
14516	11	5	Quadratic	3-7-11	☑	☑	100	5/5	Finished
14882	15	5	Affine	3-7-11	☑	☑	100	5/5	Finished

# 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.