

Since its creation in 1996, ORME has been your partner for the development of test analysis tools. To meet the increasing needs of the test field, on the one hand we develop a complete software product suite, and on the other hand we can offer custom-made software and hardware solutions, as well as test analysis service and consulting. We pay particular attention to keep a very close relationship with our customers, and remain attentive to their needs. Over ten years of experience have enabled us to become a well-recognized and favored key contact of many industrialists.

SOME OF OUR CUSTOMERS:

Airbus, Autoliv, Bosch, CEA, CNES (CSG Kourou), DGA (BEC, CAEPE, CEAT, ETAS, ETBS...), Dorel France, EADS ST, EDF, Faurecia, Latécoère, L'Oréal, Peugeot-Citroën, Renault, Salomon, Schneider Electric, Snecma, Valeo...

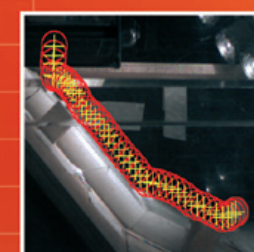
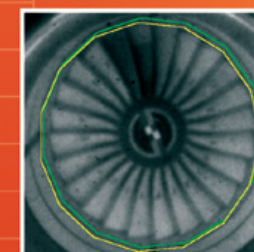
USA Distribution and support:

Hyper Imaging
www.hyper-imaging.com
Douglas.Cebik@hyper-imaging.com



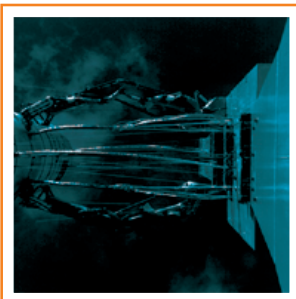
TRACKIMAGE

MOTION ANALYSIS SOFTWARE



2D & 3D MOTION TRACKING
DEFORMATION TRACKING
OBJECT INLAY
AIR-BAG
i-FLUID
ROTATING MACHINES

MOTION ANALYSIS



TrackImage provides several independent modules, each of them being dedicated to a special application, with a fully automatized analysis of the image sequences: trajectography, deformation tracking, objects inlay and contact analysis, air bag expansion, speed field calculation... TrackImage calculates all the dynamic parameters of the system under test: positions, speeds, accelerations, distances, angles, surfaces, compacity, frequencies...Based on the most recently developed algorithms, TrackImage is today a most powerful image analysis software tool which is used in many different fields: aeronautics, automotive, defense, energy, ergonomy, biology, geology, space, sports...

ACCURATE

Image calibration, correction of spatial distortion, sub-pixel resolution...

ROBUST

Robust and accurate tracking through optimized algorithms, confidence rate calculation for every detection...

POWERFUL

The points to track do not need to be marked, algorithm parametrization, post-processing...

EASY TO USE

On line hypertext documentation, ergonomic interface...

REPORTING

Complete interactive report editing, AVI files export, spatial and temporal test synchronization...

SERVICE

On site installation/user training, hot-line support, specific image sequences analysis...

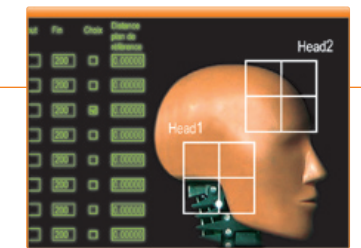
COMPATIBILITY

Read all digital image formats and AVI sequences, export results, copy/paste function...

MODULES

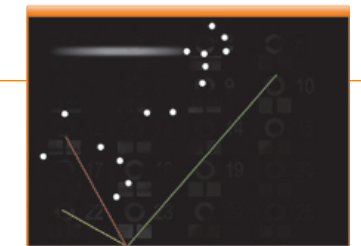
2D-TRAJECTOGRAPHY

- Automatic motion tracking
- Position, speed and acceleration calculations
- Frequency analysis
- Multi-tests synchronization and animations



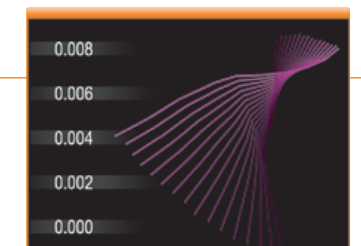
3D-TRAJECTOGRAPHY

- 3D-space calibration
- Automatic 3D-trajectory
- Post-processing and analysis



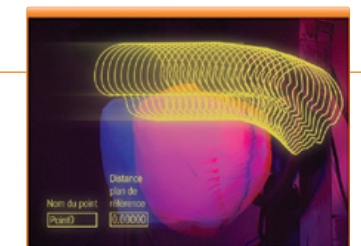
DEFORMATION TRACKING

- Automatic deformation tracking
- Curvature, speed and acceleration calculations
- Closed or open contour tracking



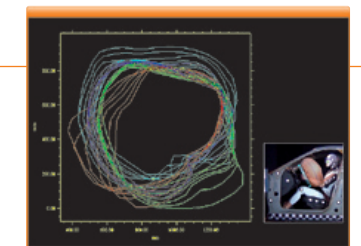
OBJECTS INLAY

- Virtual or real objects dynamic superposition
- Virtual targets, virtual contours, masks, logos, texts...
- Spatial and time synchronization of sequences
- Inter-objects contact analysis



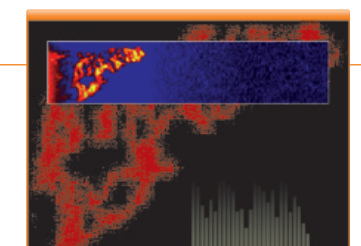
AIR-BAG

- Air-bag deployment automatic tracking
- Tests comparison and validation
- Surface evolution, front trajectory and velocity calculations...



I-FLUID

- Automatic fluid object evolution tracking
- Fluid dynamic parameters measurement
- Velocity field measurement



ROTATING MACHINES

- Rotation center tracking
- Instantaneous angular speed measurement
- Blades and housing deformation tracking

