

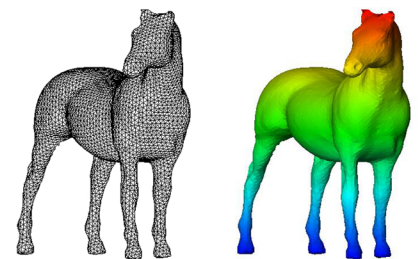


# Optical Metrology Software

An image processing tool powerhouse.

M3 has an extended range of 2D & 3D image processing capabilities which allows user to visualize and analyse pixel data. This software is suitable for metrology and other applications.

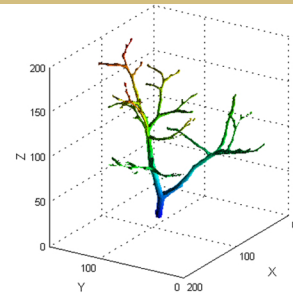
## APPLICATIONS



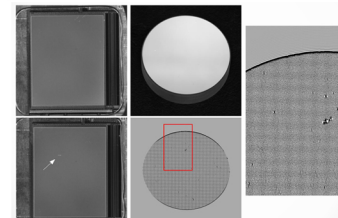
2D CONTOURS OF CLOSED MESH



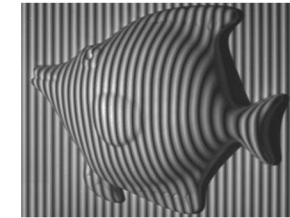
MODELING & PROTOTYPING



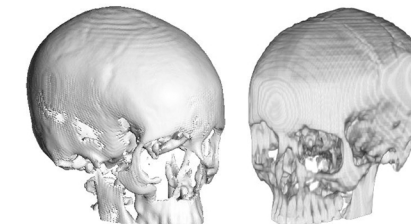
VISUAL HULL



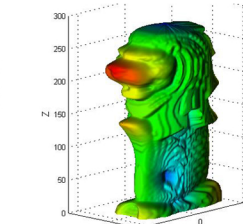
DEFLECTOMETRY



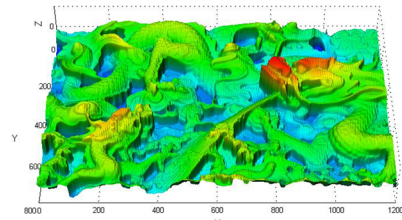
FRINGE PROJECTION



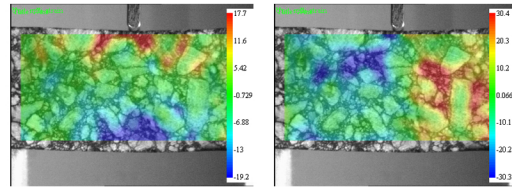
3D IMAGE PROCESSING



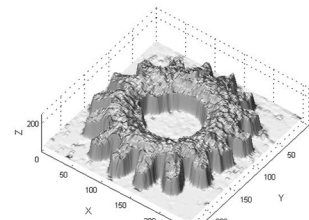
360 PROFILE SCANNING



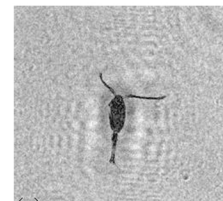
MULTIPLE-FREQUENCY  
FRINGE PROJECTION



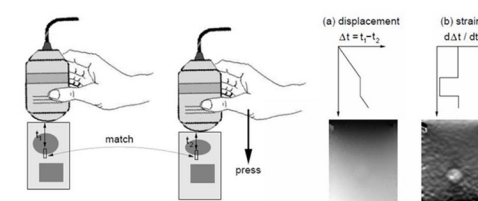
DIGITAL IMAGE CORRELATION



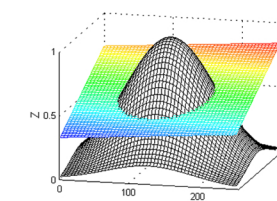
WHITELIGHT INTERFEROMETRY



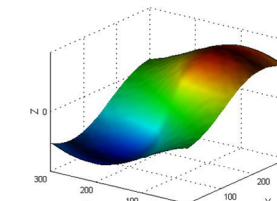
DIGITAL HOLOGRAPHY



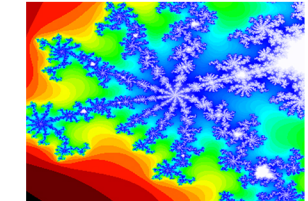
ULTRASOUND ELASTICITY



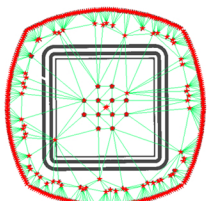
MULTIPLE FIGURES



LASER SPECKLE



FRACTAL DIMENSION



BLOB ANALYSIS

To find out more, please contact [m3@jm-vistec.com](mailto:m3@jm-vistec.com)

## The Software

### Diverse input/output formats:

ASCII, binary data, medical DICOM, BMP, JPEG, EPS, DXF, etc

### Smart rapid prototyping:

Generate contour/slice of closed mesh objects and generate plate joint, etc

### Powerful processing toolbox:

Arithmetic operation, image body operation, color separation and combination, computed tomography (CT), image masking, edge detection, filtering, morphology, computational geometry, statistics, threshold, fitting, object detection, Fourier transform, etc.

### Flexible visualization:

Vary display scale, user-specified range, true color, pseudo color

### Professional optical metrology data analysis:

Synchronized image acquisition with projector, linear stage and rotary stage, phase shifting, speckle processing, image correlation, digital holography, visual-hull phase wrapping and unwrapping, 360-degree profile scan, stereo vision white-light vertical scanning interferometry, single/dual-camera calibration, etc

### Basic drawing functions:

Able to create various shapes and types of annotations