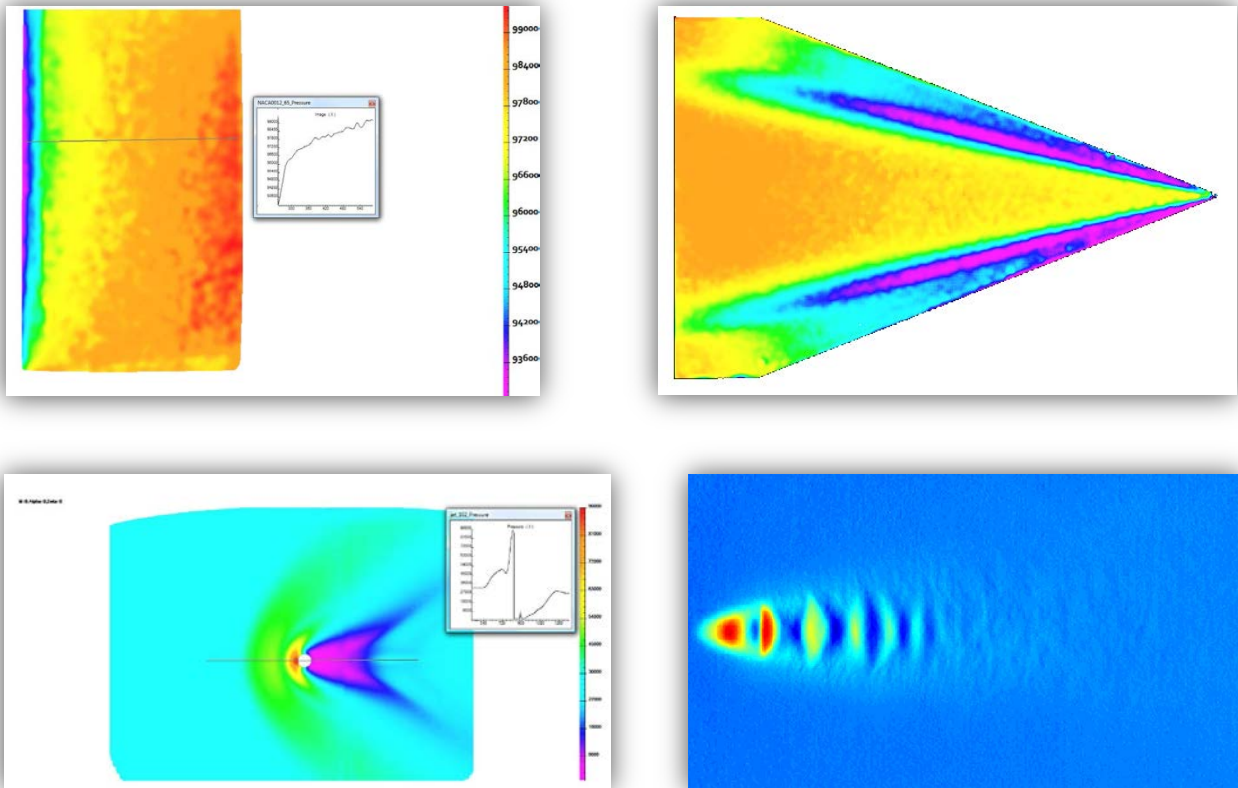# OMS ProImage

(Product ID: OMS-30i)

OMS ProImage is an image processing program for use with Pressure-Sensitive Paint data. ProImage's user interface contains interactive tools such as image math, image filters, ROI selection, marker recognition, image alignment, and automatic resection. Project files that include test conditions, source images, image processing procedures, calibration files, and surface mesh files can be created, modified, and saved. Batch processing of these project files is supported in ProImage by loading a series of the project files. ProImage allows the user to interactively modify images at any stage of the data reduction process. Features such as paint scratches, model screw holes, or markers can be interactively filtered to remove them from the final data. The purpose of ProImage is to provide an interactive interface for PSP users. This will allow the user to focus on the use of PSP for experimental measurements rather than the data reduction procedure. Advanced ProImage tools include the correcting PSP data using in-situ pressure taps and mapping the final data onto a surface mesh of the model using automatic image registration. ProImage is recommended for fundamental research, large wind tunnels, or production wind tunnel testing.

OMS ProImage has an ECCN of EAR99.

Data Reduction in ProImage