

OMS ProField (Product ID: OMS-30f)

OMS ProField is a data processing program for use with Pressure-Sensitive Paint data. ProField is similar to ProImage, but operations are performed on the surface mesh rather than the bitmap. ProField includes a GUI with interactive tools such as mesh math, mesh filters, ROI selection, interactive resection, mesh to mesh mapping, and pressure tap corrections. Project files from ProImage that include test conditions, source images, image processing procedures, calibration files, and surface mesh files can be created or read and then modified, and saved. ProField allows the user to interactively modify data on the mesh, or apply filters to specific blocks on the mesh. The purpose of ProField is to provide an interactive interface for PSP users that allows data to be mapped to a surface mesh and exported for loads calculations, or comparison to CFD predictions. This will allow the user to focus on the use of PSP for experimental measurements rather than the data reduction procedure. ProField is recommended for fundamental research, large wind tunnels, or production wind tunnel testing.

OMS ProGraph has an ECCN of EAR99.

