

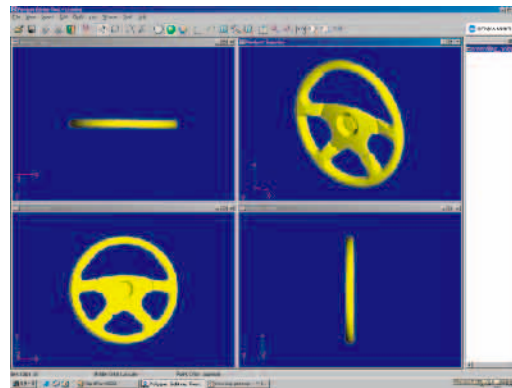
Polygon Editing Tool (standard accessory)

Edit scanned data with complete freedom.

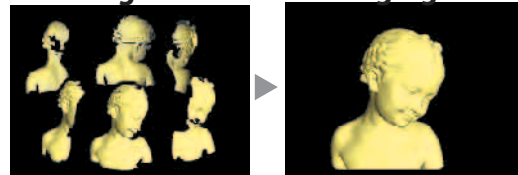
Our proprietary Polygon Editing Tool (PET) comes standard with the VI-910. PET enables you to control the VI-910 and easily scan, polygonize, edit, and convert the scanned data into any of several common data formats. Multiple scans can be easily registered and merged into a single watertight polygonal model. Editing functions include: fill holes; filter irregular polygons and noise; and perform smoothing. PET exports data in industry-standard formats including: DXF, STL etc. for accurate transfer to a variety of Modeling, Inspection CAD, CAM and CAT 3-D applications. In addition, a SDK (software development kit) is included to enable you to drive the VI-910 from your own software application.

Features

Data read	Proprietary formats: CAM, CDM, VVD, SCN General format: STL
Data conversion	Converts from proprietary format to various common formats. Polygon: DXF, Wavefront, Softimage, VRML 2.0, STL, MGF Point group: ASCII
Functions	Automatic data registration, data merging, smoothing, sub-sampling and curvature-based decimation, polygon checking, texture blending, and other functions
Editing	Rotation, transfer, elimination of point groups, and hole filling with data interpolation
Remote camera operation	Image capture, reference depth of field setting, dynamic range magnification mode, laser power setting, readout of camera data
Display	Wireframe, shading, texture mapping



Data Registration and Merging



Computer Requirements

PC/AT-compatible workstation capable of running Windows NT®, Windows® 2000 or Windows® XP	
Operating system	Windows NT® 4.0 (Service Pack 6 or higher)Windows® 2000 (Service Pack 2)Windows® XP (Service Pack 1)
CPU	Pentium III or higher
Memory	512 MB minimum (1024 MB recommended)
Display	1024 x 768 minimum 1280 x 1024 or higher is recommended when using Easy Align Tool for automatic marker registration.
Graphics	OpenGL-compatible video card(Contact us for details.)
SCSI	Adaptec SCSI interface card Note: Contact us for details of tested models.
Drive	CD-ROM drive

Easy Align Tool automatic target-based registration software (optional)

The automatic data registration tool that's simple and user-friendly.
Reduces registration time by 66%!

Automatic Alignment:

Alignment of individual scans has been a challenging task for some. But no longer, Easy Alignment Tool has changed all that. Simply place one of Konica Minolta's proprietary color markers on or near the object to be measured. Now, scan the same object from a different perspective with enough overlap so that at least three of the same markers are included in the second scan.

The new data is automatically registered (with coordinates aligned) with the previously scan. You can see what has been scanned and what has been missed, greatly reducing the time required for capture and post processing. EAT's takes the work out of the measurement of objects (Sample 1) that cannot be placed on a Rotary turn table, or objects (Sample 2) that require multiple measurements from varying points of view.

* This software is an optional add-on to the Polygon Editing Tool. Requires Polygon Editing Tool ver. 1.2 or higher.

