Moving Metrology to the Future
The ultimate in ease of use. Unlike other software where most of the functions are buried several layers deep behind the main page, VDMIS® feature the single page format where any function is accessible with one click. Windows close automatically when they are no longer needed to prevent screen cluttering.

**USER INTERFACE LAYOUT**

**Dynamic Toolbar:** Guiding function determination
**SMART Toolbar:** It is user programmable.
**Drag and drop capability:** Eliminating complex routines.

3-D solid model virtual CMM, Probe and component representation. Point and click measurement, Intelligent feature determination.
VDMIS® includes set of Easy Tools that guide the CMM operator in performing successfully most of the functions without knowledge, experience or training in VDMIS® software.

VDMIS® easy Tools provides a quick and easy access to most of functions and allows the CMM operator to perform those functions faster than following the traditional procedures.

VDMIS® comes complete with Iconized Interface which enables the CMM to be used as flexible gage on the manufacturing floor by production operators.

Each icon can display a unique bitmap graphic with DMIS program and title bar. Unlimited pages can be accessed by programming an icon as the entry point in the next level.

Password protection provides security access to programming and the CMM environment.

Operator prompts and instructions written into DMIS programs are shown on top of the Iconized Interface and when integrated with standard PC touch screen technology single touch operation of your CMM becomes a practical reality.
VDMIS® represent the future of the Metrology software by combining the complete set of the Metrology functions and direct CAD link to the most innovative, dynamic, intuitive and interactive User Interface.

VDMIS® is the combination of the latest software technology in the market and 20 years feedback from CMMs professional worldwide. All the existing metrology software are still using the old and obsolete user graphical interface with small icons without titles so the user had always to struggle to guess the meaning of each icon and memorize it.

VDMIS® is the first Metrology software to buck the trend by introducing a new User Interface in High Resolutions, large size icons with titles so the user can find the function he is looking for immediately.

In addition, VDMIS® is the first Metrology software to use “Windows 7’s Text to Speech” technology which makes VDMIS® the most interactive Metrology Software in the market.

- Completely designed in Windows 7, 32 and 64 bit, (Compatible also with Windows XP).
- First Metrology to adopt the new user interface concept with High resolution, large titled icons
- Dual Monitors compatible for increased efficiency
- First Metrology software to use “Text to speech” Windows 7 technology.
- The highest level of User-Software interaction.
- High level of intelligence and diagnostic capability Built-in the VDMIS® to help the user completing the inspection process in the most efficient and smooth way possible.
- New Software-Machine’s Controller communication protocol that offer faster communication speed, hardware diagnostic and recovery tools.

VDMIS® . . . . Moving Metrology to the Future
3D CAD LINK

- Direct CAD data import of standard format: IGES, STEP, DXF, VDA (Included).
- Direct CAD Data Import of Native format: CATIA4, CATIA5, Parasolid, ProE, Solidworks, Unigraphics and ACIS (Optional)
- 3D solid model component representation.
- Bi-directional data transfer CAD-CMM.
- IGES export of measured features.
- DMIS in, DMIS out.
- Multiple CAD model import.
- Graphics manipulation - solid or wire.
- Surface & geometry recognition.
- Auto translation of world coordinates

VDMIS® fully links CAD component data with the CMM programming and inspection process providing both precision and productivity. Standard international CAD data exchange protocols are utilized throughout namely IGES, STEP, VRML, DXF, VDA etc. VDMIS® is built with the latest generation solid modeling engine which displays the CAD model in a true solids format providing the ultimate in accuracy and enabling surface nominal data and corresponding vectors to be selected directly from the part model.

Full prismatic part geometry is available with automatic feature recognition and measurement simply by selecting the feature to be inspected with a single mouse click.
- Program creation directly from CAD data.

- Optimization, Simulation and verification


- On-Line to Off-Line mode and vice versa.

- CMM and probe kinematics simulation

- Comprehensive library of CMM models

- Auto collision protection.

- DMIS in, DMIS out

- Full Renishaw dynamic graphical probe library

**VDMIS®** runs both as an Off-Line application enabling CMM inspection programs to be generated and verified at a location that best serves the measurement task.

Uniquely **VDMIS®** can also be run Off-Line at the CMM enabling program editing and verification to occur without Risk of CMM structure crashes.

Graphical Programming allows inspection programs to be generated in a Virtual digital manufacturing environment enabling full CMM and probe kinematic simulation and program verification and optimization in advance of part Inspection demand; thereby Reducing lead-times and Increasing CMM productive utilization.

Probe Path Simulation enables effective program prove out.

**VDMIS®** is a framework for managing the complete lifecycle of a CMM data file. It provides a central repository for storing, managing, and retrieving CMM data files.

**VDMIS®** supports the following features:

- **CMM and probe kinematic simulation**
- **Comprehensive library of CMM models**
- **Auto collision protection**

**DMIS in, DMIS out**

**Full Renishaw dynamic graphical probe library**

The full scaled dynamic representation of the CMM and true Renishaw Probing System from the extensive on-line library Provides real world simulation and programming tools.

Collision protection provides for a foolproof anti-crash assurance protecting your expensive investment.
VDMIS® Live Report

VDMIS® Live Report is new inspection report platform built with so many Innovative ideas that made of this package the ultimate breakthrough in the Metrology Market.

VDMIS® Live Report has introduced completely a new way of creating, analyzing and broadcasting the inspection report that increase by several folds the efficiency, productivity and the understating of the inspection result generated by the CMM software.

VDMIS® Live Report allows the CMM Programmer to focus completely on the Inspection/Part programming process without worrying about the Inspection report, later when the inspection/part programming is Completed the CMM programmer can create the inspection report inside the VDMIS® Report where he can set nominal and tolerances, select output mode, decide what features and dimensions to output, create graphical report, SPC analysis and output analysis to filter and display out of tolerance features.

Report’s HEADER

Most of the reporting packages include a report header but they constrain the CMM Programmer to stay within that fixed limited report header.

VDMIS® Live Report Header gives the CMM-Programmer complete freedom and flexibility of either use the default pre-design header or redesign the header easily and quickly in any way and shape he wants.

In VDMIS® Live Report Header the CMM-Programmer has the freedom the add/remove lines and cells from the header, resize the cells, change titles & the width of the title column and finally hide the header completely if he does not need it.
Report Designing and Browsing:

**VDMIS® Live Report** includes the following capability to design and browse the inspection report:

**Contents page** that shows the list of all reported features. This page could be hidden, it is possible to add any comment, pre-defined table, picture or logo anywhere inside the report.
Data Index Tree that allow the user to jump to the output of any feature by clicking on it’s label in the Index Tree.

**Live Inspection Report**

Unlike the traditional “dead” inspection report that does not give any option or flexibility to the user to update nominal, tolerances or format after the report is created.

VDMIS® Report is “Live” inspection report that gives the user the flexibility to Update Nominal and Tolerances, change output format and perform report analysis at any time after the creation of the report.
**3D/2D CAD**

VDMIS® Live Report includes the following CAD functions to make the inspection report easier to read and analyze.

---

**Loading 3D CAD Module in VDMIS**
Displaying all the 2D views

Cross section a 3D solid CAD Module.