In today’s dynamic manufacturing society we are driven to conform to standards and specifications; now for the first time a CMM software has been developed that embraces and conforms to all of the existing and emerging international CMM standards and specifications.

A CMM software that is truly open architecture and built upon standards.

- **Graphics Engine:** Utilizes OpenCascade as its CAD engine (www.opencascade.com)
- **Software Driver:** Utilizes the I++ neutral driver specification allowing plug and play on any controller that is I++ compatible
- **CAD Import:** Allows import of STEP files the upcoming AP219 graphics exchange standard
- **Programming Language:** Utilizes DMIS 5.0 at a native level with no translation. ANSI & ISO standard

**NEW CMMs**

OpenDMIS™ is available on the full range of new Wenzel CMMs

**CMM RETROFITS AND UPGRADES**

The application of an OpenDMIS™ software upgrade can enhance your existing manual or DCC CMM performance at a fraction of the price of a new CMM. Xspect Solutions CMM Xspect Service partners have unparalleled depth of experience in all CMM brands providing engineering integrity and assured customer confidence. Soft Motion™ Drivers are available for most legacy CMM controllers, allowing a software upgrade to be applied to your CMM without the need for a full controller retrofit. Motion on a CD, a CMM industry first which combined with OpenDMIS™ provides a truly state of the art solution to your existing CMM structure.

The OpenDMIS™ error-map is OPEN, unlike most competitors who lock up and deny access to YOUR compensation data, thus ensuring you have a choice of CMM calibration supplier.

**XSPERIENCED CMMs**

Xspect Solutions offers an extensive inventory of pre-owned CMMs that have undergone a thorough inspection and rebuild program at the Xspect CMM remanufacturing center. All Xsperienced CMMs are offered with OpenDMIS™ ensuring your new CMM is a state of the art inspection tool and guaranteed at least a further 10 year life. An Xsperienced CMM typically represent a 50% saving over new.

**866-4 Xspect (866 497-7328)**

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**Willrich**
866.945.5742
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GRAPICS TOOLBAR

FUNCTION TOOLBAR

DATA BASE

GRAPHICS / DMS / OUTPUT WINDOW

PREVIEW WINDOW

STATUS WINDOW

Next Generation User Interface

A truly unique user interface; no pop-up windows, no annoying drill-down functionality. This next generation metrology software embraces the user minimizing learning curves and aids speed of use. CMM software for the first time is intuitive, powerful and efficient to use. OpenDMIS™ is heralded as long on capabilities while short on training. No OpenDMIS™ function is more than one mouse click away; no other CMM software can lay claim to a One Click Performance.

User Interface

Virtual Programming

Inspection Program Creation from CMM Model
Program Simulation, Verification and Optimization
CMC and Probe Simulation
Motion Path Simulation
Motion Path Simulation

Inferential Measurement

• Object Based Programming
• Auto Feature Sensor Alignment
• DMIS Navigator™
• Collision Avoidance
• Click 2 Measure™
• Move-To Simulation
• Quick Measure
• Smart Drop™
• Iterative Alignments
• Auto Probe & Alignment Dependency Checking

Object Based Programming

CMM programming has remained expert labor intensive and prone to error despite all the software advancements of past years while the utilization of CAD data has made more complex the programming task. No more. OpenDMIS changes everything ...

OpenDMIS Pioneers Object Based Programming

Dragging and dropping features from the database area into the adjacent programming window automatically generates the underlying DMIS code together with probe and alignment definitions. Complex CMM programs can be created in a few minutes and simulated utilizing the powerful simulation and collision avoidance tools standard in OpenDMIS™.

Written and launched in 2003 by well respected industry Xperts OpenDMIS™ represents the dawn of a new era in CMM software and creates the new industry benchmark obsoleting all the DMIS software that have come before.

Reporting

• Tagged Output Windows
• Traditional Reporting
• Picture Reports
• CAD Model Display
• Full Customization
• HTML, Excel, PDF, SPC Formats
• Dynamic Reporting
• Native DMIS Output
• Whisker Charts
• Data Management Tools
• Integrated SPC, Excel and PDF

Automatic Routines

• Probe Calibrations
• Scan Features
• Picked Nominal Feature Inspection
• Scanning
• Feature Relative Measurement
• Grid Points
• Click & Measure
• Program Generation
• Object Selection from CAD

Scanning

• Analogue Probe Scanning
• Data Export in IGES Bpline
• CAD Nominal Definition
• ASCII Data Input
• Nominal Curve Scanning
• Profile Analysis with Tolerancing
• Whisker & Topographic Color Chart
• hVisor Support. Helical Scan, Continuous Curve Scan, Sweep Scan

Relative Measurement

• Thin Wall Components
• Material Thickness Compensation
• Vector Build Macros
• Mirror Imaging
• Hemmed Edges, Edge Points, Rail Checks
• Feature Pattern Analysis
• Automatic Routines
• DMIS support of RMEAS

Intellectual Measurement

CAD Capability

• 3D CAD Import - IGES, STEP, DXF
• Native CAD Translators
• Solid Model Part and Fixture Representation
• Bi-Directional Transfer of Data
• IGES Export of Measured Data
• Native DMIS 5.0
• CMM Model Mirroring
• Multiple Model Import
• Global & Recognition
• CMM Model Layering and Coloring
• World Coordinate Translation

Intuitive

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next generation USER INTERFACE
A truly unique user interface; no pop-up windows, no dynamic function sensitive tool bars, action icons and context sensitive work areas characterize OpenDMIS™. The graphics view area remains freely visible at all times maximizing operating efficiency. No windows to close, no cascading windows, no screen crowding and absolutely no annoying drill-down functionality. This next generation metrology software embraces the user minimizing learning curves and aids speed of use. CMM software for the first time is intuitive, powerful and efficient to use. OpenDMIS™ is heralded as long on capabilities while short on training.

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VITAL PROGRAMMING
• Inspektion Program Creation from CAD Model
• Simulation, Verification and Optimization
• Part and Tooling Visualization
• Auto Switching Between Modes On-Line
• CMM and Probe Simulation
• Motion Path Simulation
• Crash Prediction and Avoidance
• DMIS 5.0

INTELLECTUAL MEASUREMENT
• Object Based Programming
• Auto Feature Sensor Alignment
• DMIS Navigator™
• Collision Avoidance
• Click 2 Measure™
• Move-To Simulation
• Quick Measure
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Virtually Programming

• Inspection Program Creation from CAD Model
• Simulation, Verification and Optimization
• Part and Tooling Visualization
• On-Line and Off-Line Application
• Auto Switching Between Modes On-Line
• CAM and Probe Simulation
• Ranshaw Graphics Probe Library
• Motion Path Simulation
• Crash Prediction and Avoidance
• DMIS 5.0

Intellectual Measurement

• Object Based Programming
• Auto Feature Sensor Alignment
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