


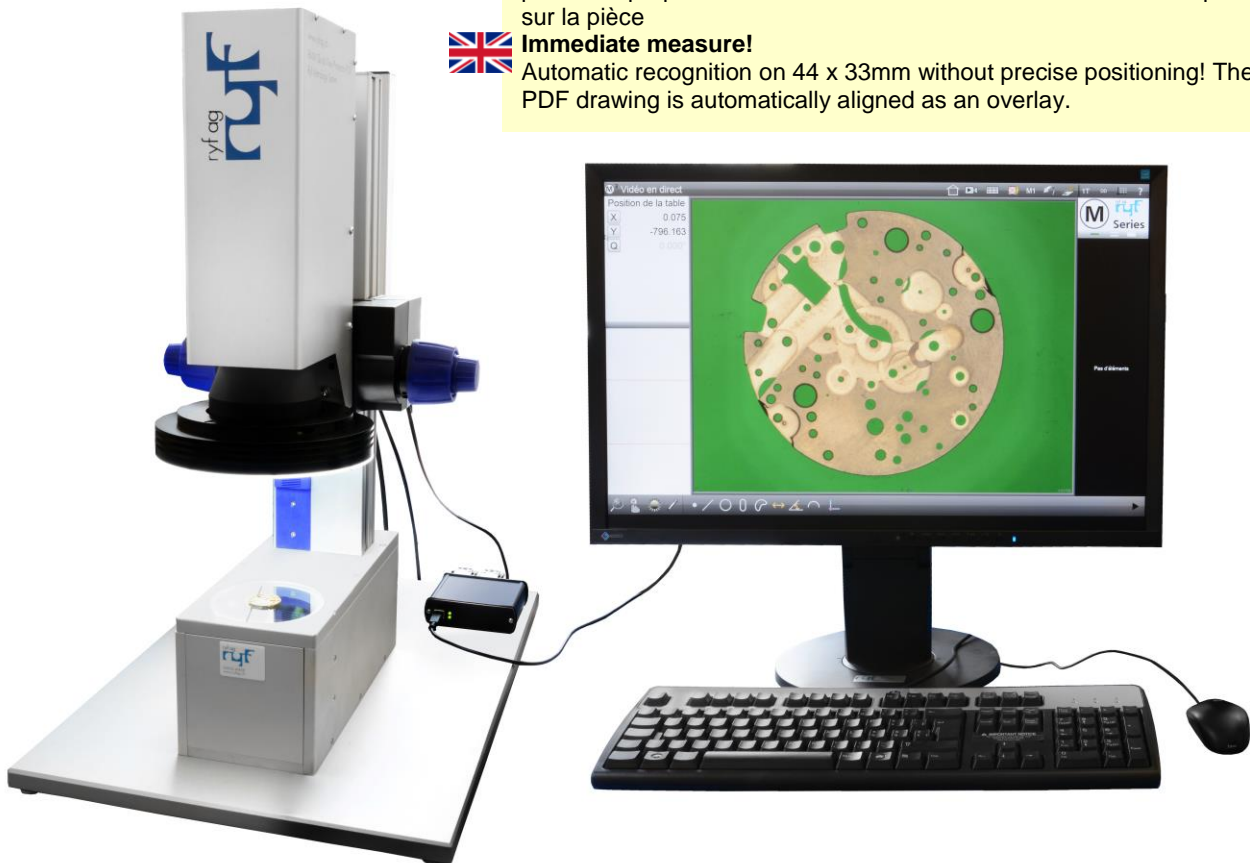


Ryf RMM-Quick View Digital Projector FOV 45

-  **Sofortige Messung !**
Automatische Erkennung auf 44 x 33 mm ohne genaue Positionierung! Die DXF oder PDF Zeichnung wird als Overlay automatisch ausgerichtet
-  **Mesure instantanée !**
Précision sur 44 x 33 mm. Reconnaissance automatique sans positionnement précis. Superposition DXF & PDF avec référencement automatique en overlay sur la pièce
-  **Immediate measure!**
Automatic recognition on 44 x 33mm without precise positioning! The DXF or PDF drawing is automatically aligned as an overlay.



with M3 Field of View (FOV) / DXF Overlay



Mit einem Gesichtsfeld bis zu 44mm ! // einer Genauigkeit von bis zu 2/1000 mm

Sehr schnelles messen in unter 0.5 Sekunden einfach möglich! Die Software erkennt die Teile automatisch und ohne präzise Positionierung. Das DXF wird automatisch ausgerichtet und als Overlay überlagert (als Option auch mit pdf!). Inkl. Motorisiertes telezentrisches Linsenwechsler mit 4 Fixvergrößerungen, Auflicht LED mit 144 LED und DIA mit telezentrischer LED Beleuchtung werden über die Software gesteuert.



Avec un champs de vision de 44mm // résolution de 2 micron

Temps de mesure inférieur à une ½ seconde! Reconnaissance automatique des composants sans positionnement précis
Superposition DXF avec référencement automatique en overlay sur la pièce (en option avec pdf !).
Changeur de lentilles motorisé à 4 facteurs d'agrandissement, éclairage à LED DIA télécentrique et éclairage EPI annulaire à 144 LED inclus, asservis par le logiciel.



With a field of view up to 44mm ! // and accuracy of up to 2/1000 mm

Quickly and easily measuring in less than 0.5 seconds! The Software recognizes the sample part automatically without positioning accurately. The Overlay-DXF is automatically positioned and overlaid.
Motorized lens changer with 4 different magnifications, telecentric illumination and EPI circular illumination 144 LEDs included, all software controlled.

Ryf RMM-Quick View Digital Projector FOV 45

M3-FOV software with DXF video overlay functionality, DXF export, pattern recognition, and more!

Features & Benefits

The new M3 FOV software option pack is available for both encoded (like the MM200) and fixed stage (Ryf Quick view zoom Projector) systems. All of the new features and functions included with the FOV software option are available regardless of system type.

Import DXF files for image overlay. The new DXF file import system allows for the display of DXF files, as an overlay on the live video image. Translate, rotate, and change the color of your DXF import for fit against the live video image.

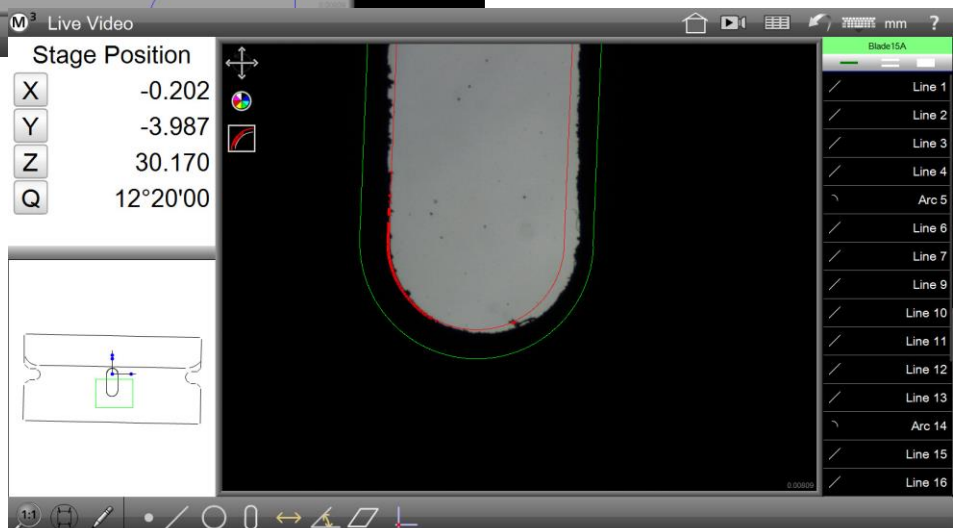
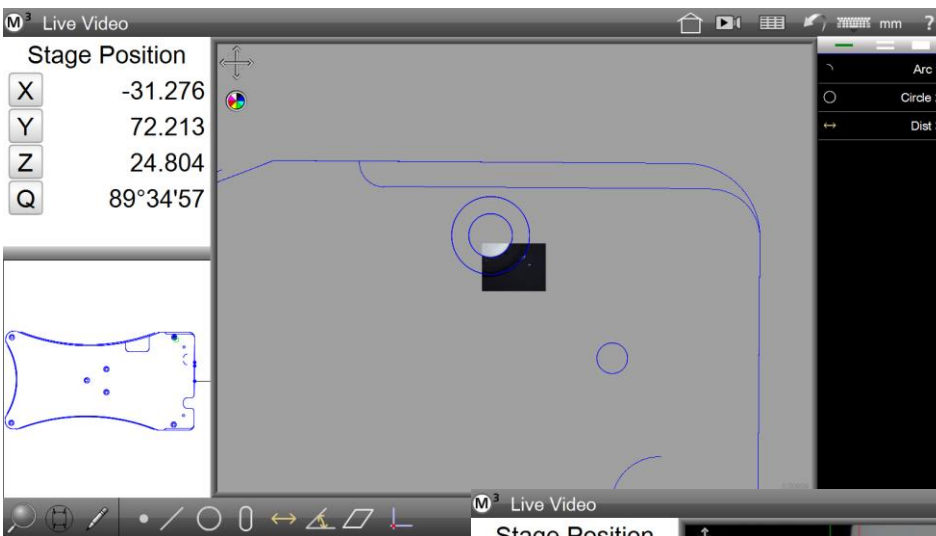
Display error whiskers for the portions of the live video image that do not fall within the tolerance zone defined within the original DXF file.

Use the measure distance and measure angle functions to quickly calculate the positional and angular offset between your DXF file and the part coordinate system established within the M3 software.

Export features to DXF. Features measured, constructed, or created within the M3 software can be exported to the industry standard DXF file format for use with other software tools.

Creating feature-based video overlays. Use the existing feature creation mechanism to create on-screen video chart tools for quick comparison of measured features to a predefined tolerance zone. The ability to create circle, line, slot, rectangle, and angle overlay features provides the flexibility to support a wide range of applications.

Supported Overlay Types: Circle Rectangle Slot Angle Line



Ryf RMM-Q_{uick} V_{iew} Digital Projector FOV 45



Ryf RMM Quick View Projector with 8x Bi-telecentric Zoom Lenses and with Motorized Control

Our new Lens is a leading edge optical solution for imaging and measurement applications requiring both the flexibility of zoom lenses and the accuracy of fixed optics. By means of a very accurate mechanism, these lenses ensure unequalled magnification, focusing and image center stability when switching from a magnification to another, thus avoiding recalibration at any given time. 4 different Magnifications, featuring a total range of 8x, can be selected either by means of the onboard control keyboard or via computer through a specific remote control software. Bi-telecentricity, high resolution and low distortion make these zooms able to perform the same measurement tasks as a fixed magnification telecentric lens.

Magnification	*Sensor size	Field of view	Working Distance	Field depth
0.125	1/2"	51.2 x 38.4mm	153mm	45mm
0.250	1/2"	25.6 x 19.2mm	153mm	11mm
0.500	1/2"	12.8 x 9.6mm	153mm	2.8mm
1x	1/2"	6.4 x 4.8mm	153mm	0.7mm

*Resolution of the 5MP camera system (h x v): 2560 x 1920 Pixel & USB3



KEY ADVANTAGES of the RMM with zoom Lens:

Perfect Magnification constancy

No need of re-calibration, after zooming.

Perfect Parfocality

No need of refocusing when changing magnification.

Bi-telecentricity

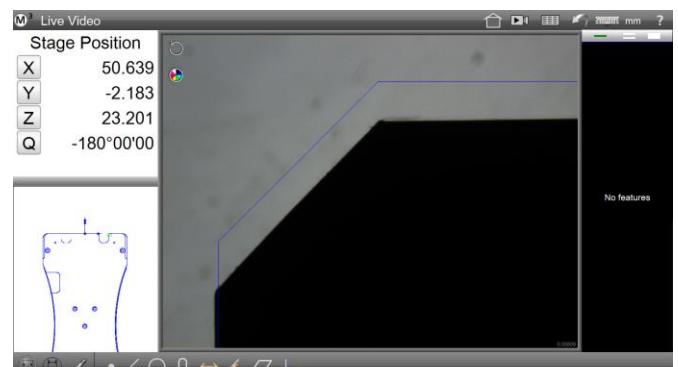
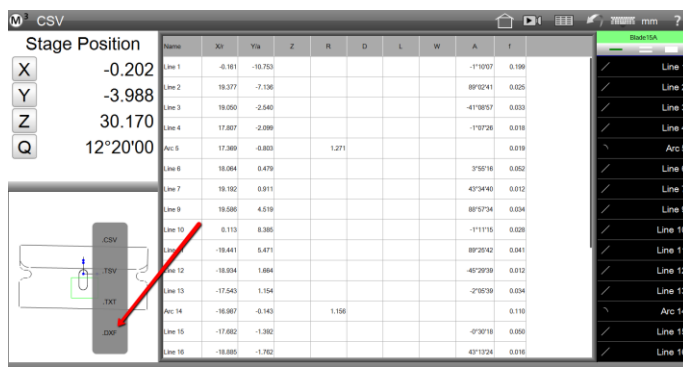
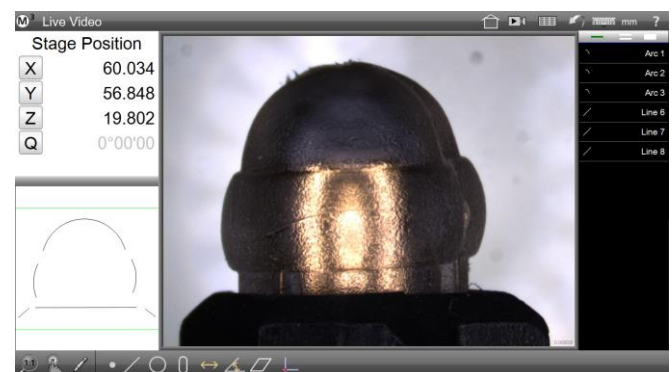
Very accurate measurement is possible.

Image Center Stability

Each magnification maintains its FOV center.

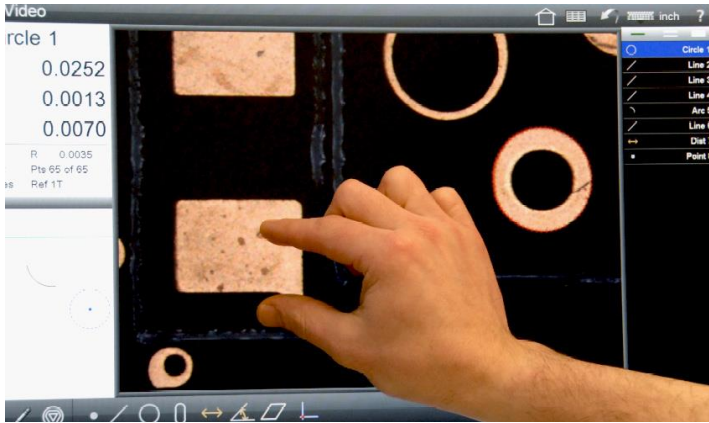
Full Motorization control

Zoom magnification is set manually

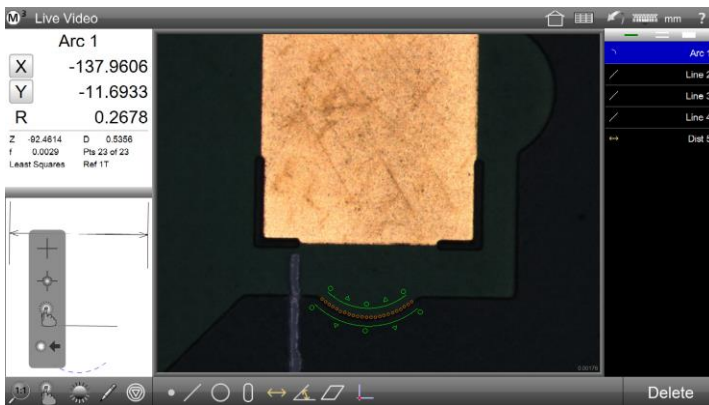


Export to the DFX file format / use with other software tools.

Ryf RMM-Quick View Digital Projector FOV 45



Feature measurements may be performed using common touchscreen operations such as pan and pinch zoom. Or use conventional mouse operations like point and click.



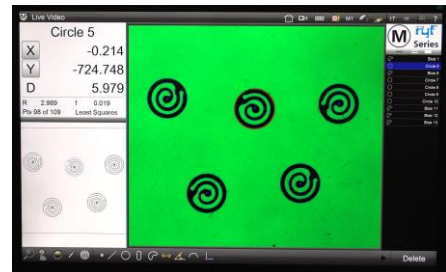
Advanced video probe toolbox. The custom **EyeMeasure™** probe captures complex edges by creating a custom “tool zone” according to the finger path drawn on your touch screen enabled system. The **MeasureLogic™** probe’s intelligent design provides an instant feature determination and measurement with a single click or press.

The **Vtouch™** probe provides industry first video touch probe functionality, with simple acquisition of individual points on a feature’s edge, just a single press or click away.

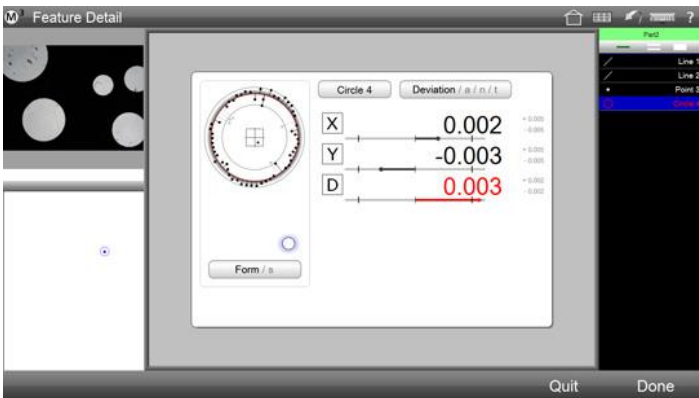
The simple DXF Crosshair tool is always available for manual crosshair probing and can be translated or rotated within the video image for flexible manual probe measurements.

Features & Benefits

Designed for Multi-Touch software control. In addition to the conventional mouse interface, expanded Multi-Touch logic allows for one-touch feature measurements as well as versatile pan and zoom of the live video image and the active part view. Increase the efficiency of feature measurements, feature data manipulation, and reporting tasks with a simple *pinch* zoom, *swipe* pan, or double click.



Measure features, set nominals, apply tolerances and view deviation results with only a few quick clicks. You may also apply a variety of popular tolerance types to features in the standard “feature-to-feature” fashion, or utilize the “place tolerancing” system for applications where tolerances are specified in a block tolerance style call out. For these cases the M3 software lets you enter and apply universal tolerance values according to your feature resolution groupings.



Measure features, set nominals, apply tolerances and view deviation results quickly and easily.

www.ryfag.ch

