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IN LINE QUALITY

Four Instruments in One for Higher Flexibility

Smart_Projector_Quattro

High Performance ZOOM Video Measuring Instrument

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"Four Instruments in One"

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1x

2x

4x

8x

Automatic and Productive

Smart_Projector_Quattro is an automatic Profile Projector that combines the precision, objectivity, repeatability and user-friendliness guaranteed by **SmartVision's Technology**.
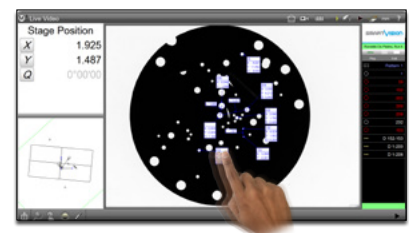
Four in One

With a innovative optical solution of zoom lenses in only one instrument, Smart_Projector_Quattro allows four different magnifications, changing the Field of View by software, making this product a **4-in-1** solution for complete and automatic dimensional check of a wide range of products.
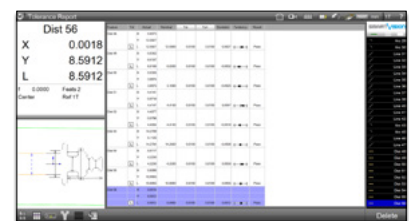
Accurate

This equipment guarantees measurement stability of the image center when focusing and switching from one level of magnification to another. The benefits given by the **flexibility of the zoom lenses** and the accuracy of the fixed optics are merged together in this equipment with no compromise in precision. **Four different FoV in one unique instrument**: precision, flexibility and savings!

New Generation Software:
TOUCH & MEASURE!

- Multi touch-screen software
- Automatic feature recognition

- Automatic data report
- CSV / TSV / TXT / DXF / PDF

Features

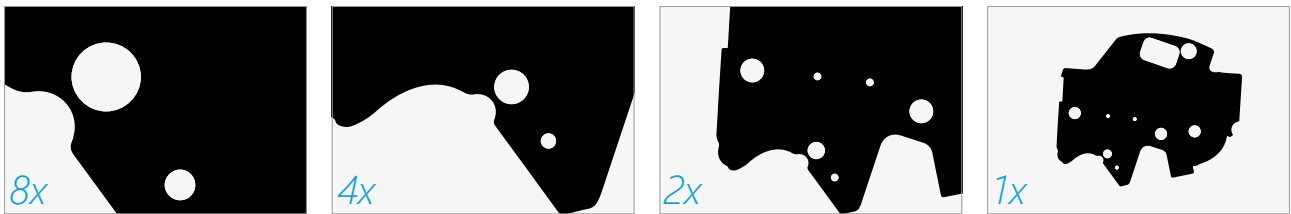## High Performance ZOOM Video Measuring Instrument

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Rugged stainless steel industrial case
Compact static equipment

Industrial high resolution camera

Focus Adjustment

High performance Bi-Telecentric Optics
(4 different magnification)

Software programmable Episcopic Light
(4 independent sectors)

Protected measuring chamber
Easy object placement
Height-adjustable interchangable glass
Customizable loading plate

Software programmable
Collimated Diascopic Light

Suitable for the production line
Ready for automation

Product Highlights

Smart_Projector_Quattro - Main Benefits

- Suited for massive (production) quality inspection, in-line control, incoming inspection
- Increases number of quotas and quality check rate, up to 16000 checking features in a few seconds
- Performs full automatic reporting and SPC (Min, Max, Range, Average, Std Dev, 6 Sigma)
- Ready to connect with SPC software
- Suitable for unskilled operators use
- Flexible investment with a fast Return on Investment

Specification

High Performance ZOOM Video Measuring Instrument

8x	4x	2x	1x

PC Device	Powerful All-In-One touch screen FULL HD PC with Windows 10 PRO 64-bit, monitor resolution 1920x1080			
Light receiving lens	Double telecentric lens			
Magnification	8x	4x	2x	1x
Field of View[3] (FoV)[3] (mm)	Ø 10	Ø 20	Ø 40	Ø 80
FoV[3] Area (mm)[2]	78	314	1256	5026
Repeatability accuracy[4]	±0.2 μm	±0.4 μm	±0.5 μm	±1 μm
Measurement accuracy[4]	±0.5 μm	±1.5 μm	±3 μm	±6 μm
Measuring Chamber (mm)[5]	203x225x200			
Dimensions (mm)	282x330x1025			
Weight (kg)	40			
Diascopic Light[1]	Collimated			
Epsicopic Light[2]	Yes			

[1] Diascopic Light: Collimated Projector with green led light or Standard Directional led backlight.
  Collimated projector intensitiy is software programmable when also episcopic light control (2) is available.
[2] Episcopic Light Control: 4 independent 90° sectors, software programmable, front / episcopic white diffused led light, made to order.
[3] Standard models - other custom FoV available on request.
[4] Precision of measurement (±μm) of a line, obtained measuring a specific calibration target located approximately in FoV center, best
  focus position, at 25° C ±1°.
[5] The dimensions of the measuring chamber are not the dimensions of the Field of View, therefore they have not to be considered as test area.

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