



"The Accuracy & Flexibility of Two Fields of View in One Device"

Smart_Projector_Double Pharma

Double Magnification Video Measuring Instrument
for Primary Pharmaceutical Packaging

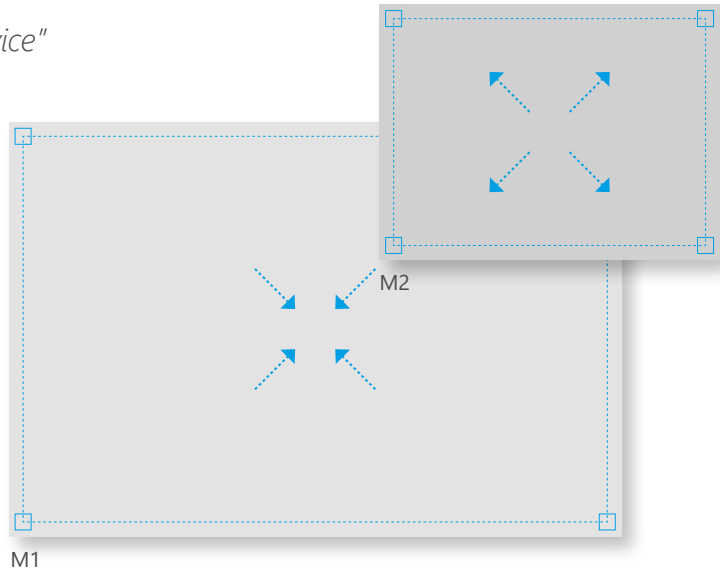
Smart_Projector_Double Pharma

Double Magnification Video Measuring Instrument



"Two FoV in One Device"

"Smart_Projector_Double Pharma allows automatic, objective, repeatable, easy and fast dimensional quality check of a wide range of items"



Two in One

Smart_Projector_Double Pharma is a digital Profile Projector with **two different levels of magnification in one instrument**. It has been specifically designed for companies with a wide range of products' sizes and it allows to measure items with very different dimensions.

Static & Efficient

Contrary to other profile projectors, **Smart_Projector_Double Pharma** is a completely static device. The switching between the Fields of View does not involve any movable part, therefore **no re-calibration is needed**. It is possible to create automatic programs that involve the two different FoVs, for a complete check of the items.

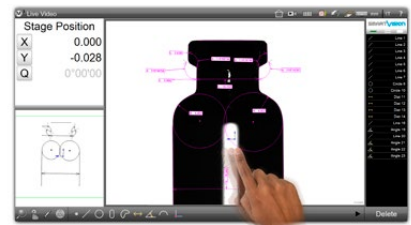
Power & Accurate

The areas of the two Fields of View can be chosen among a large set, matching the configuration of the instrument to the needs of the customer. This ensures to get the **maximum accuracy** also on complicated items and components, without having to buy two instruments compromises in precision.

Industrial and Compact

Smart_Projector_Double Pharma by SmartVision is a fast, compact, rugged, static, easy-to-use and easy-to-program device, **designed for harsh environments and heavy duty cycles use**.

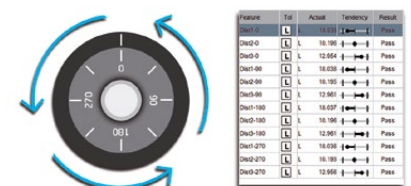
New Generation Software: TOUCH & MEASURE!



- Multi touch-screen software
- Automatic feature recognition



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



- Record steps for 360° view
- Variables and user messages

Smart Features

Double Magnification Video Measuring Instrument



All-In-One Touchscreen PC



Powerful All-in-One PC Full HD with an intuitive **touchscreen measurement software** and easy to record programs. Automatic feature recognition, up to 16.000 per item.

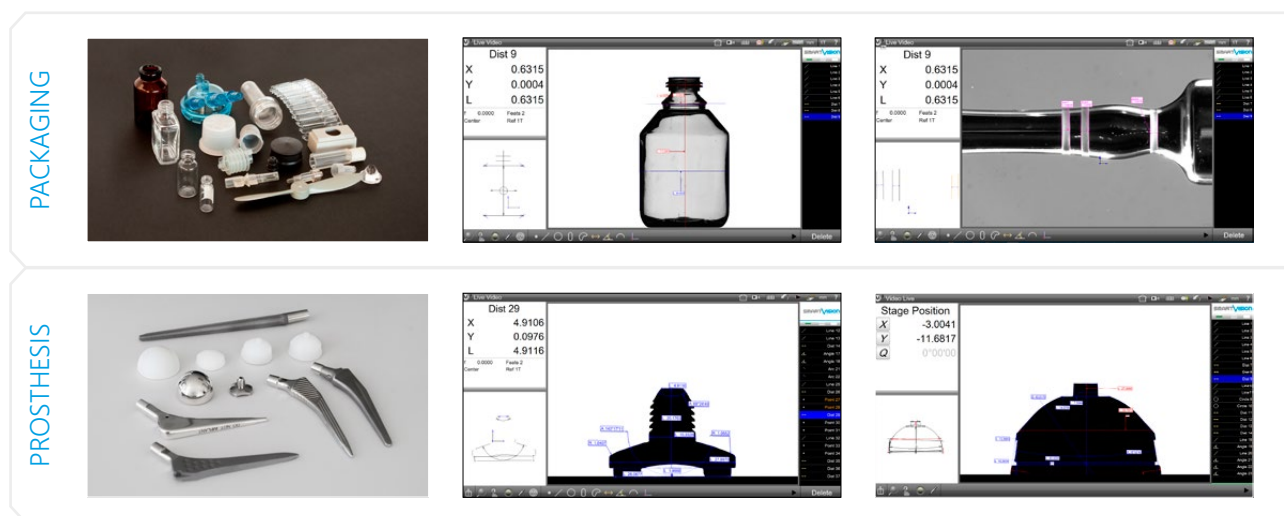
Smart_Rotating_Robot



Smart_Rotating_Robot with the control unit allow **quality control of cylindrical components** and any other item that needs to be examined on different projection planes at defined angles.

Application Cases

Quality Control for Pharmaceutical Packaging & Medical Industry



Specifications

Hardware

Layout usage	Vertical & Horizontal
Magnification	2 steps: M2 and M1
Field of View ³ (FoV) ³ (mm)	60X45 (M2) / 108X73 (M1)
FoV3 Diagonal (mm)	75 (M2) / 125 (M1)
FoV ³ Area (mm ²)	2700 (M2) / 7800 (M1)
FoV ³ Type	Rectangular (M2) Rectangular with vignetting (M1)
Measuring Chamber (mm) ⁵	200x230 H.240
Repeatability accuracy ⁴	±0.5µm (M2) / ±1 µm (M1)
Measuring accuracy ⁴	±3µm (M2) / ±6 µm (M1)
Diascopic Light ¹	Collimated
Episcopic Light ²	Yes
Light receiving lens	Double telecentric lens
Dimensions (mm)	284x330 H.1255
Weight (kg)	46

PC & Software

SmartVision PC	Powerful All-in-One PC with FULL HD touchscreen and Monitor resolution 1920x1080, Windows 10 PRO 64-bit
Multilanguage interface	English, French, German, Italian, Portuguese, Spanish, Czech, Polish, Romanian, Russian, Chinese, Japanese (all languages are editable).
User account control	Supervisor, Users 1 to 20 (with password login and editable rights)
Measurement points	16000 features max
Pattern search	XYΘ (accepts random positioning)
Statistical Analysis	Ready to connect with SPC software
CAD export	dxf file
CAD import	dxf file for profile match, nominal values and tolerance
Report Data Export	xlsx, csv, tsv, txt, pdf

1. Diascopic Light: Collimated Projector with green led light or Standard Directional led backlight. Collimated projector intensity 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.
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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