



บริษัท ออปติค้า จำกัด **OPTICA Co.,Ltd.**

9/231-232 หมู่ 5 ถ. ศรีนครินทร์ ต. สำโรงเหนือ อ. เมือง จ. สมุทรปราการ 10270 โทร. (662) 385-7357-8 โทรสาร (662) 385-7106
9/231-232 Moo 5 Srinakarin RD., T.Samrongnue, A. Muang, Samutprakarn 10270 Tel. (662) 385-7357-8 Fax. (662) 385-7106

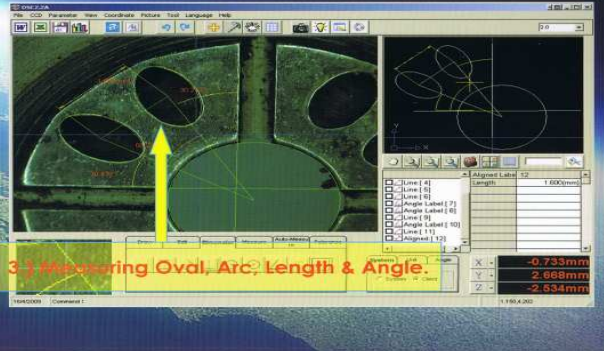
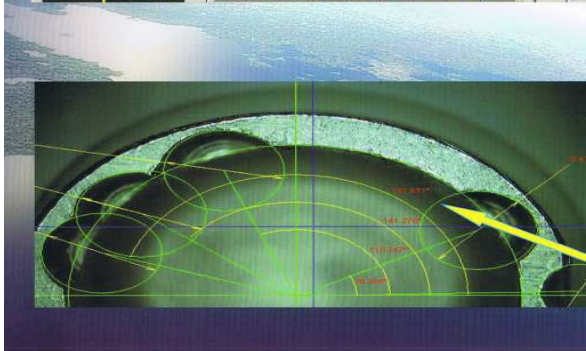
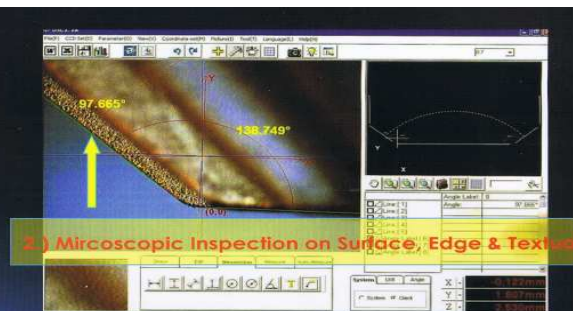
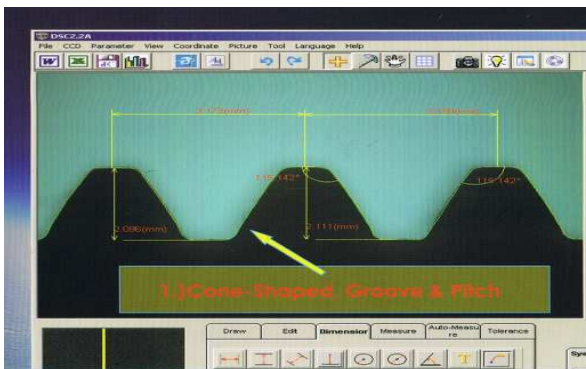
E-mail : optica@opticascope.com

Video Measuring System (VMS)

Your Key To Manufacturing Success,
Enabled by Our High Quality & Affordable VMS

All-In-One User Graphical Interface

The screenshot displays a 3D model of a mechanical part with various dimensions and a CAD drawing of the same part. The interface includes a toolbar with icons for drawing, editing, and measuring. A sample test report is also visible on the right side of the interface.





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5.) Quality Control Through SPC Control Chart & Reports

6.) Automatic Tolerance Measurement of a Circle.

Subsection	1	2	3	4	5	6
Deviation(μm)	-0.002	-0.001	-0.001	-0.002	-0.001	0.000
Roundness	0.004					



Our Customer Value



DSC 300S
300x150x100mm

Not meeting your clients' stringent specifications can loss sales, increase operating cost, thrash customers to competitors & incur legal compensation. High quality products can satisfy customers, increase branding, earn trusts & credentials in the marketplace. However, high quality products come with high manufacturing costs if superior manufacturing productivity was not instituted. Then again, superior manufacturing productivity demands, among other processes, high efficiency (e.g. easy and speedy) & effectiveness (e.g. good precision) in your Measurement & Inspection capabilities.

Accumulated with 17-year of experience, knowledge & skills in precision machining & manufacturing processes among our Group Members & deployed to more than 10 Asian cities, the VMS can assist you in performing your Measurement & Inspection efficiently & effectively through the powerful VMS Software (VSoft) with high accuracy & precision after calibrated by our Master Gauge certified by the Singapore Test Services (STS).

Key Product Benefits

- 1) A microscope for textual inspection, measurement & reverse engineering.
- 2) Versatile with good accuracy & precision over Profile Projector.
- 3) Statistical Process Control (SPC) further strengthens manufacturing productivity.
- 4) All-In-One Graphical User Interface (GUI) is easy to use & easy to learn.



DSC 150P
150x100x100mm

Key Product Features

- 1) VSoft: The All-In-One Metrology Measuring Software
 - a) Overwhelming easy-to-use metrological & navigation tools available for vigorous jobs like mind-numbing measurement, tedious editing & dimension labeling of small parts for quality assurance, audit reporting & reverse engineering.
 - b) Grating screens for whole image display, Digital Zoom screen for precise measurement & Airscape screen for reverse engineering.
 - c) Third-party software supports
 - i) Import/export of images & data storage in JPEG, BMP & DXF formats.
 - ii) Microsoft MSWord & MSeExcel file formats.
 - d) Multilanguage: English, Korea, Simplified & Traditional Chinese.
- 2) VMS Hardware Capabilities
 - a) Good measuring accuracy (3+L/100)µm with X, Y & Z-linear scale resolution of 1µm. Z-axis by our innovative, low-cost, high quality mechanical probe.
 - b) Achieve repeatability of 2µm.
 - c) Optical lens (0.7 to 4.5x, analog) & color CCD sensor camera (10 to 120X, digital) delivering sharp workpiece images with compensation edge detection.
 - d) Multiple super-bright LED sources; providing clear color images without shadows.



DSC 150H
100x60x70mm

Examples of Real Applications

- 1) Quality control through precision measurement on arc, oval, cone-shaped, odd-shaped, groove & counter-sinked; among others like circles, squares & rectangles.
- 2) Microscopic textual inspection of metallic alloys, plastics or leads of integrated chips (IC), for examples, on large computer screen.

Authorized Dealer