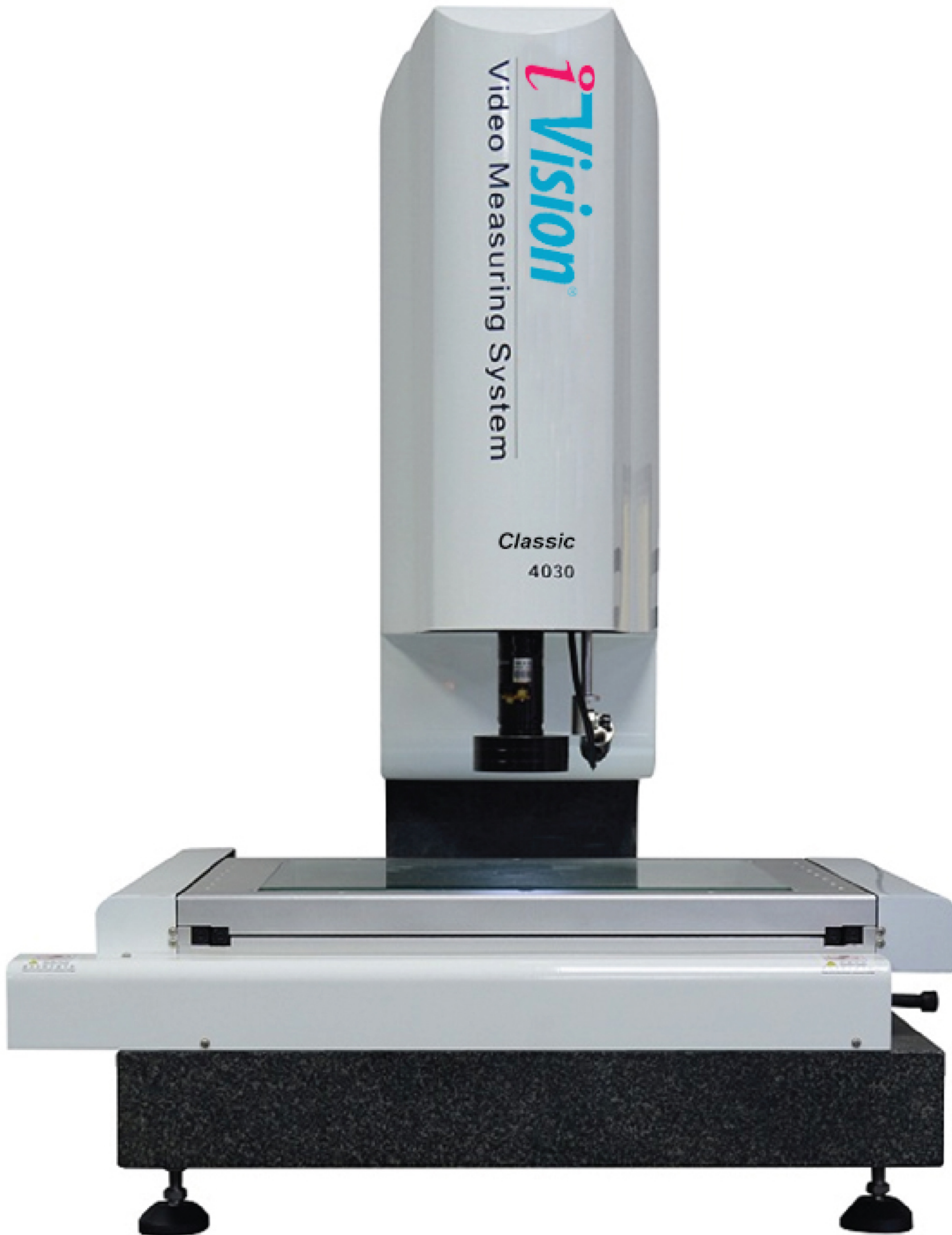Your contact person for more information:
JF Strategic Management Pte Ltd
Tel : +65 6710 4128
Email: James.soh@jfstrategic.com

iVision®

i Vision METROLOGY SYSTEM

High Accuracy Video Measurements for Manufacturing Professional

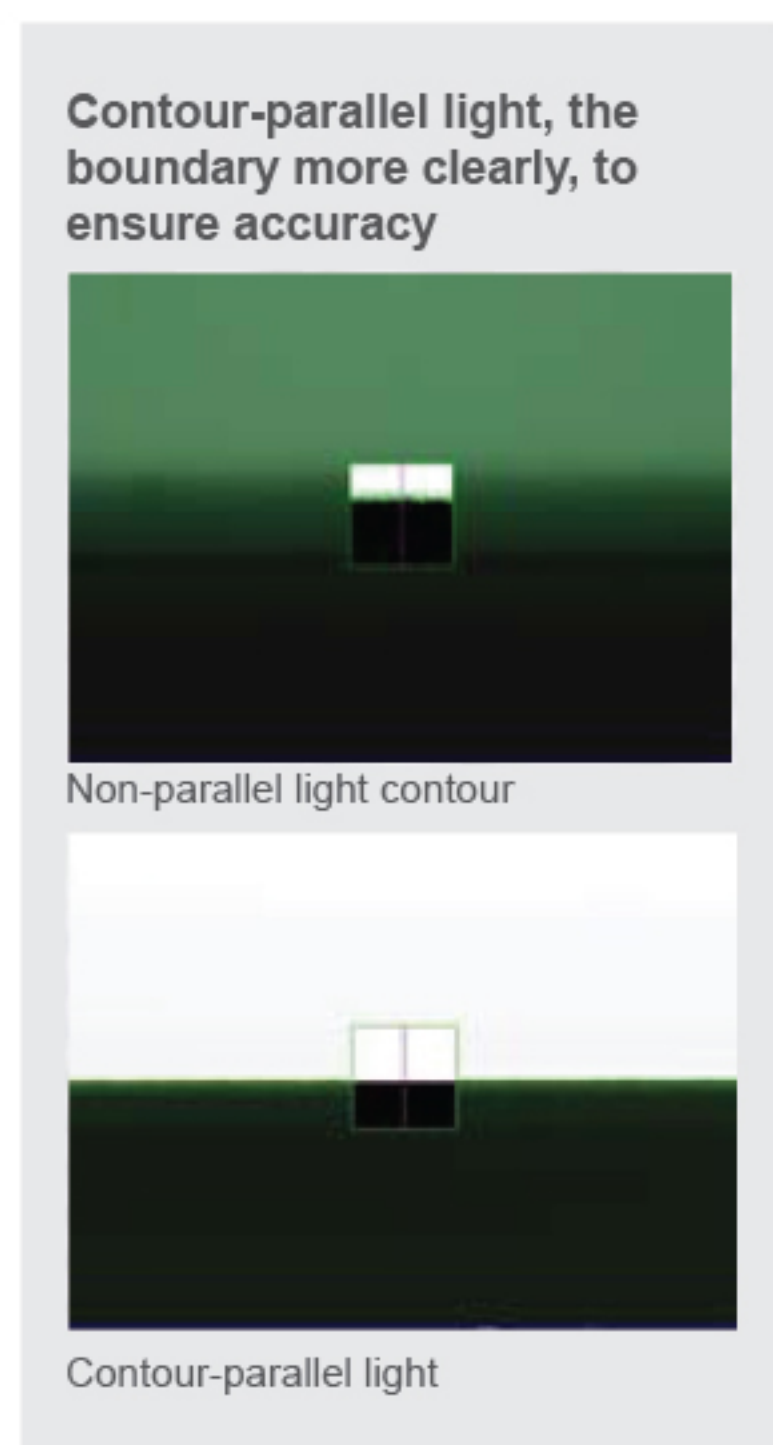# iVision® VIDEO MEASURING SYSTEM

Full Auto Version
Model: i Vision Classic

i Vision video measuring systems are versatile "all-in-one" multisensor measuring systems built to handle a wide variety of measurement tasks. The "CLASSIC"product line offers a wide range of XYZ measurement volumes, from 300x200x200 mm to 400x300x200 mm with full automatic X,Y & Z operation. The POMEAS high resolution lens provide 18-220x magnification at the screen and could achieve accuracy of up to (2.8+ L / 150) µm.
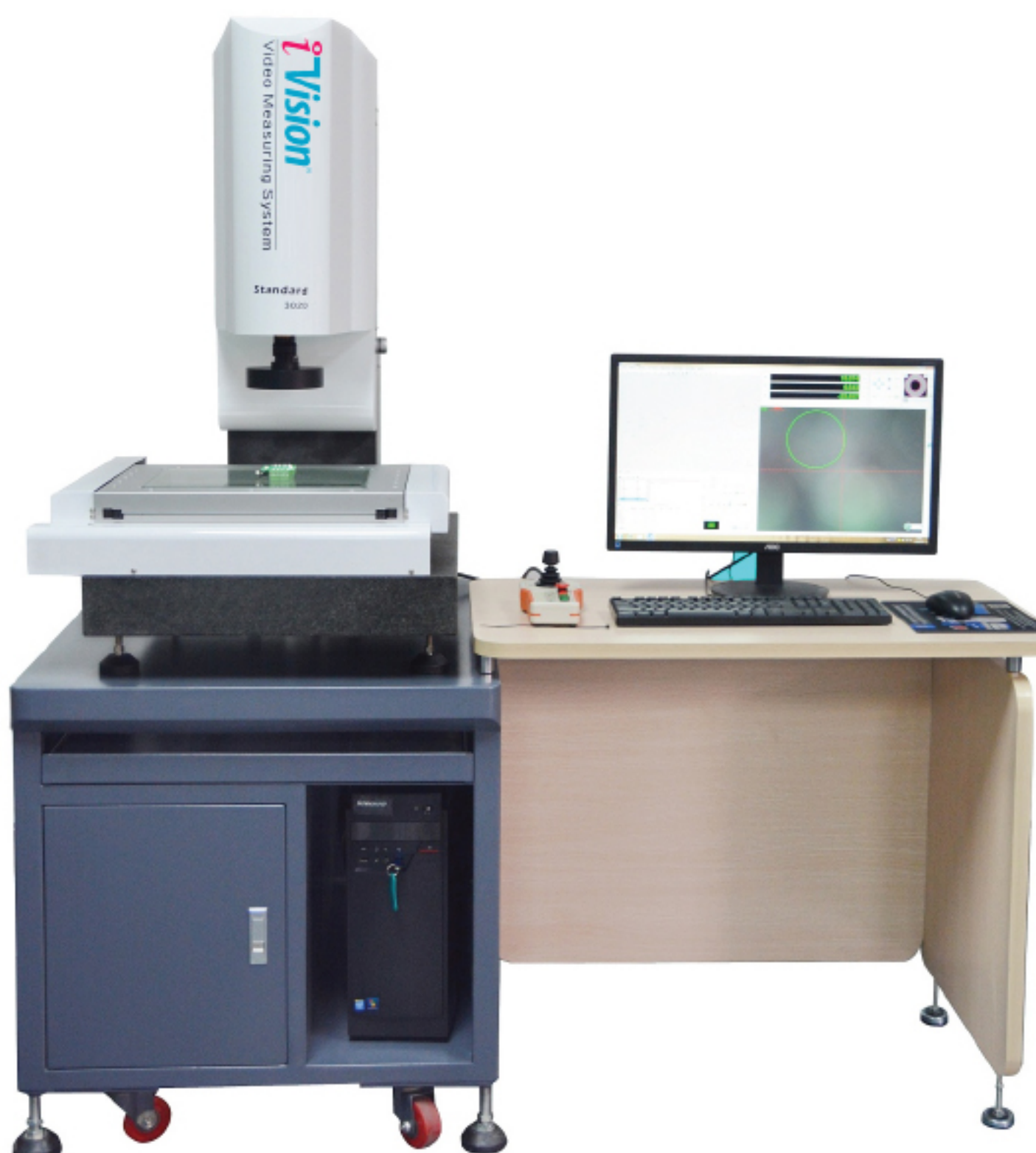
The i Vision system can be configured as an economical yet capable multisensor metrology system, with numerous combinations of touch probes, scanning probes, micro-probes, and lasers. The i Vision systems are extremely popular, with thousands in service worldwide.

- Four-axis CNC high-performance closed-loop servo control system enable High Speed and Stable Operation
- Germany screw drive technology provide Smooth and quiet operation, Precise positioning
- Advanced XYZ plane, vertical precision calibration technology with Fast Auto Focus
- Friendly software interface, simple operation, automatic boundary, Part programming and automated measurements.
- Equipped with powerful SPC statistical functions, greatly improve management efficiency
- Equipped with RU2 which is the most advance LAMOTION grid line engraving technique which is designed to provide feedback for high-precision linear measurement
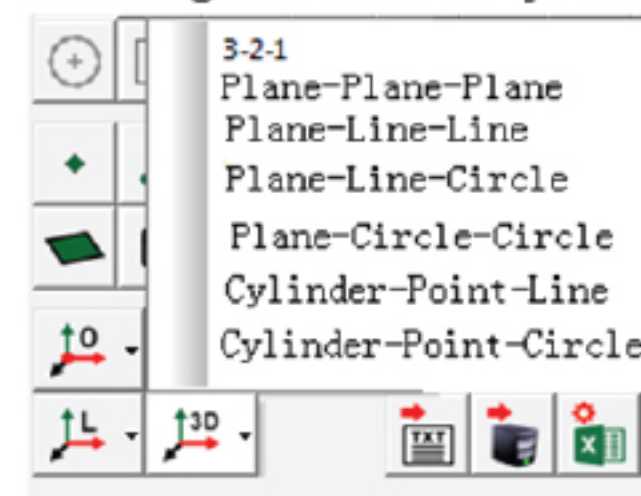- Powerful Renishaw probe measurement function for 2D & 3D measurement

The powerful INSPECT3D Software is user friendly and interactive and support S-Video output. Measurement output could be exported to WORDS or EXCEL for Statistical analysis . INSPECT3D has a powerful coordinate translation, rotation or reset function and users could switch between a variety of edge finder mode for automatic detection of points and round arc.
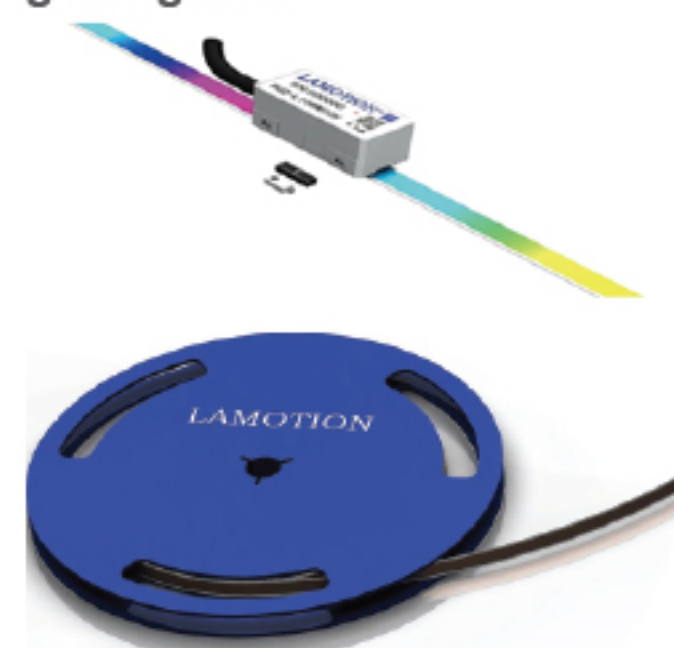
Contour-parallel light, the boundary more clearly, to ensure accuracy

Non-parallel light contour

Contour-parallel light

RENISHAW Probe

MODEL	3020 STD	3020 CLASSIC	4030 CLASSIC
Measuring Range (mm)	300 x 200 x 200	300 x 200 x 200	400 x 300 x 200
lens	Pomeas 650105	Pomeas 650105	Pomeas 650105
Lens(times)	0.7-4.5X	0.7-4.5X	0.7-4.5X
Magnification at the screen	18-220X	18-220X	18-220X
Axis resolution	0.0005mm	0.0005mm	0.0005mm
Field of view	8.2-1.2mm	8.2-1.2mm	8.2-1.2mm
Camera	1/2"M color CCD,Auto Focus	1/2"M color CCD,Auto Focus	1/2"M color CCD,Auto Focus
Working distacne	90mm	90mm	90mm
Light	LED	LED	LED
Operation	Full auto (X,Y,Z)	Full auto (X,Y,Z)	Full auto (X,Y,Z)
Maximum component weight	18 kg	18 kg	18 kg
Zoom	Auto zoom	Auto zoom	Auto zoom
Touch Probe	nil	Renishaw	Renishaw
Accuracy(X,Y)	(2.8+ L / 150) µm	(2.8+ L / 150) µm	(2.8+ L / 150) µm
Accuracy(Z)	(3.0+L/200)µm	(3.0+L/200)µm	(3.0+L/200)µm
DXF format auto checking	YES	YES	YES

Creating Coordinate System

3-2-1
Plane-Plane-Plane
Plane-Line-Line
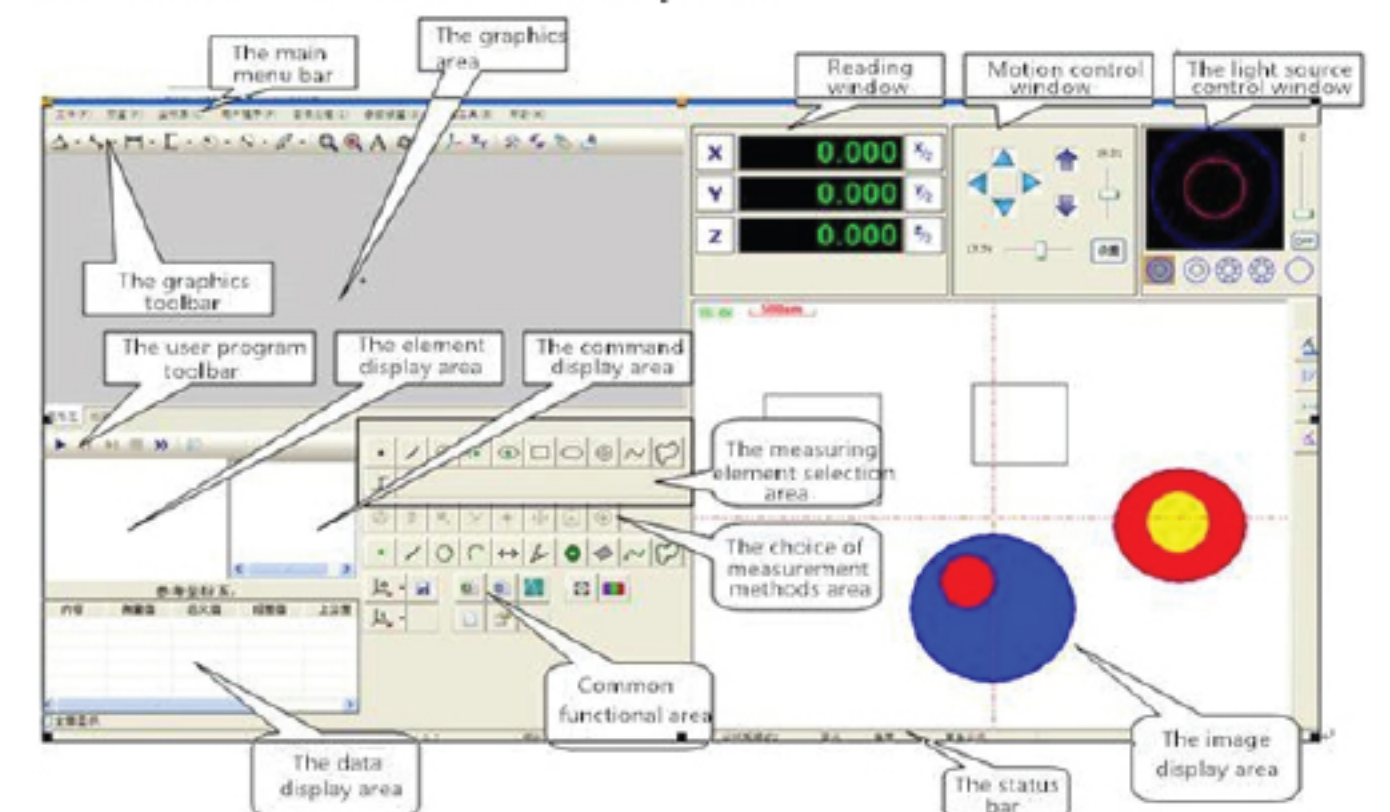Plane-Line-Circle
Plane-Circle-Circle
Cylinder-Point-Line
Cylinder-Point-Circle

LAMOTION Reading tape grating ruler

INSPECT3DSoftware Description

Probe Measurement Tool Bar