

GV-OptiCore

KAIZEN CREATIVE

COMPREHENSIVE Catalogue

Guangdong high-tech Enterprises •

Software Products Enterprises •

Guangdong private technology enterprises •

Kaizen Creative Viet Nam Co.,Ltd

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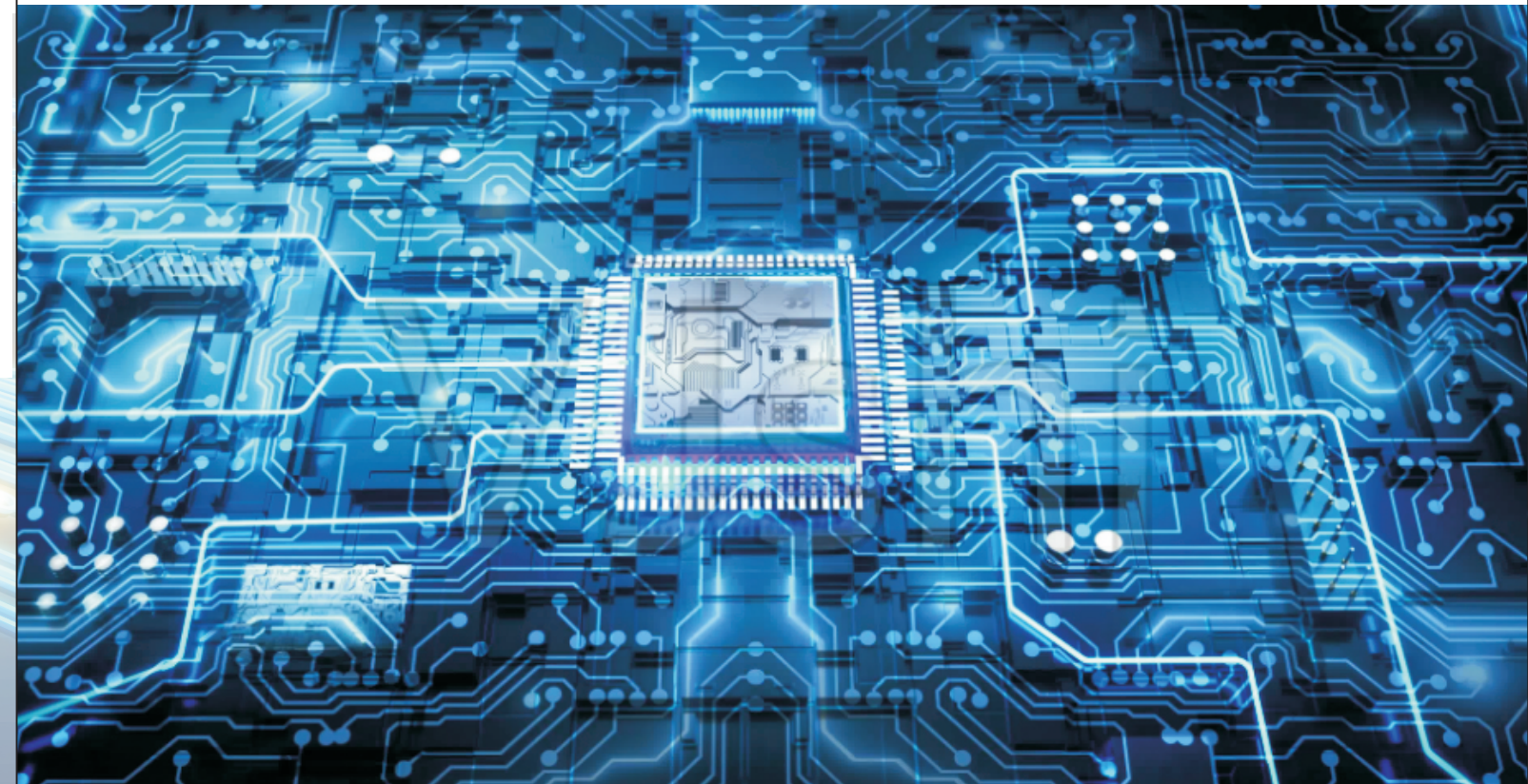
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COMPANY PROFILE

Guangdong Yuanxing ghost Valley Optical Intelligent Technology Co., LTD., founded in 1999, registered capital: 10 million yuan, the factory is located in east Guangdong Province 1.2.3 Floor, Hexi Industrial Zone, Xinhe Dianhua Road, Wanjiang, Dongguan City. Specializing in: semiconductor, circuit board, new energy automotive parts, photovoltaic industry, liquid crystal display Show the industry, precision measuring instruments and production equipment R & D, production and sales of high-tech companies.

The goals of the enterprise : Win-win development for customers, suppliers, employees and shareholders.

Enterprise Development Ideas : Continuous Innovation.

Enterprise quality policy : Pursuit of perfect quality, customer zero tolerance, continuous improvement.

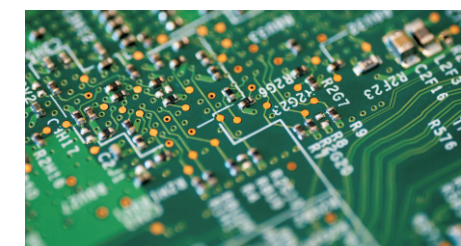
The purpose of enterprise service : Always establish the customer first.

Have a research and development, production, quality control, sales, service high-tech team, at present: 2 Ph. D. , undergraduate: 10, more than Junior College, from the software development, control system, mechanical structure design are independent, a number of software, hardware patents and software copyright.

Major products : Second (third) dimensional gantry automatic image measuring instrument, automatic line width distance tester, ion contamination tester, hole accuracy CPK machine (Post Aoi) , blind hole metallographic microscope, ... PCB appearance check AVI machine (AI technology) ...

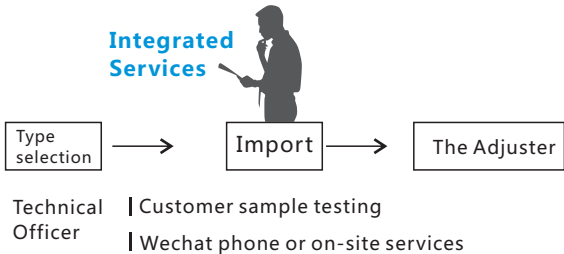
Customer groups: Xinyixing Electronics, Dingying Electronics, Samsung Electronics, BOE Group, Taiwan Nanya New Material, Taiwan Jianwei Technology, DeCML, Shengyi Electronics, Jingwang Electronics, Kexiang Corporation, Zhihao Technology, SMIC International, China Star Optoelectronics, HKC Huike Electronics, TCL Liquid Crystal Electronics, Shenlian Circuit, Mingzhenghong Circuit, Oshi Kang circuit, Lu Tongda Circuit, Chongda Electronics, Guangzhou Jesai Technology, Jincigna Circuit, Dingtai Electronic circuit, Jiangxi Ming high Electronics, Jiangxi Yuwei Electronics, Jiangxi Weil high Electronics, Jiangxi Zhongluo Electronics, Guanghe electronics.....

The company is committed to becoming "the most competitive instrument supplier in the world" as its operating direction, and constantly uses AI artificial intelligence technology to power electronic products. Industrialization, for customers to reduce cost and increase efficiency is the direction of our efforts, for Yuanxing people to create a "happy life" is our eternal driving force.....





Technical support



Business shipping



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Company profile

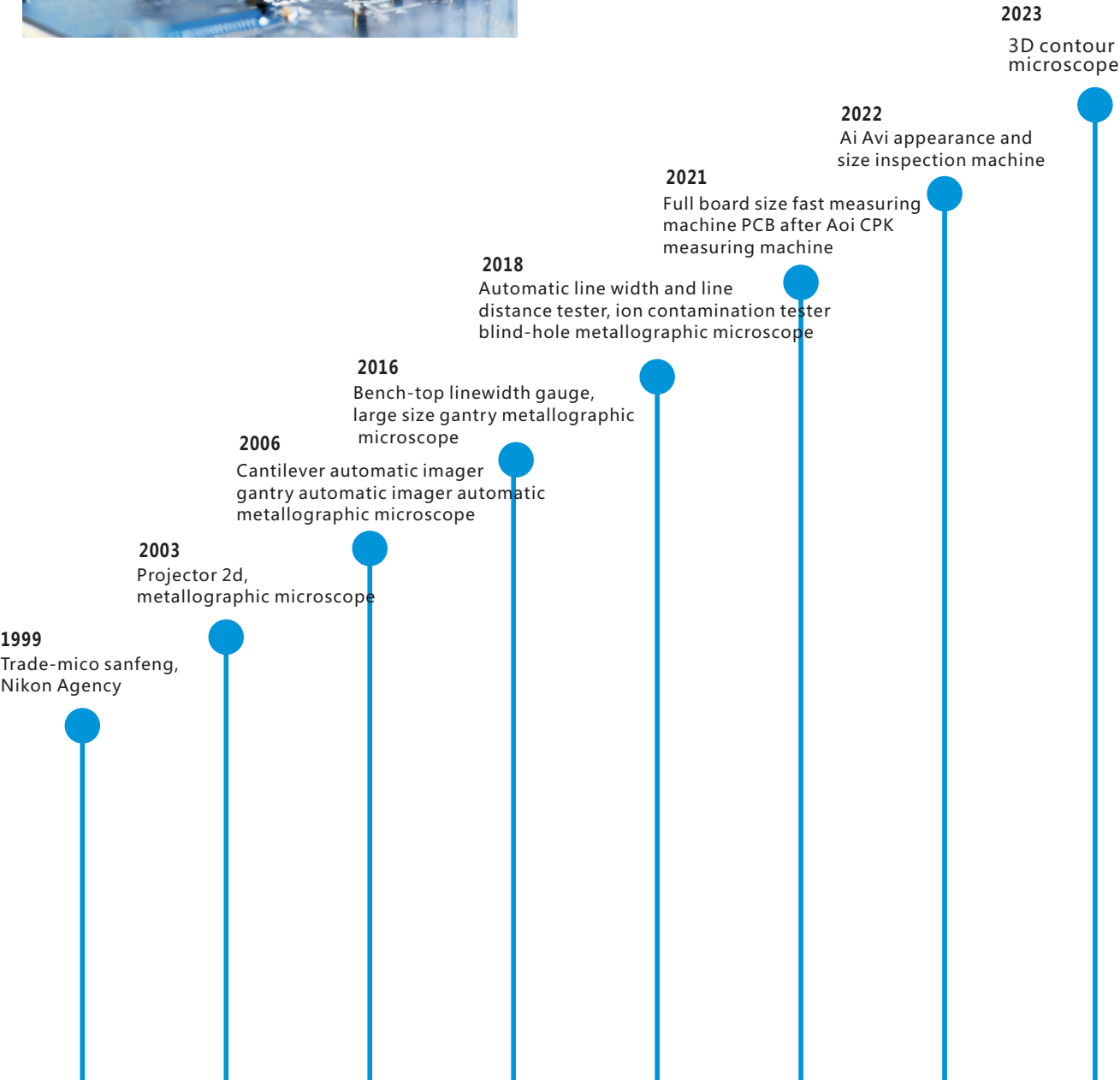
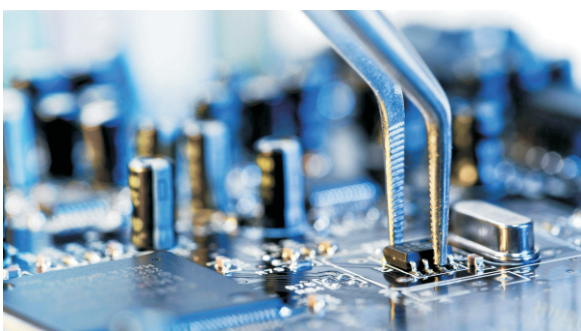
Company headquarters	Dongguan wanjiang
Established in	1999.2
Customers	20000Above
Funds	Ten million
2021 Chinese sales	More than 800
Scale	4 offices and 20 distributors
Company employees	50



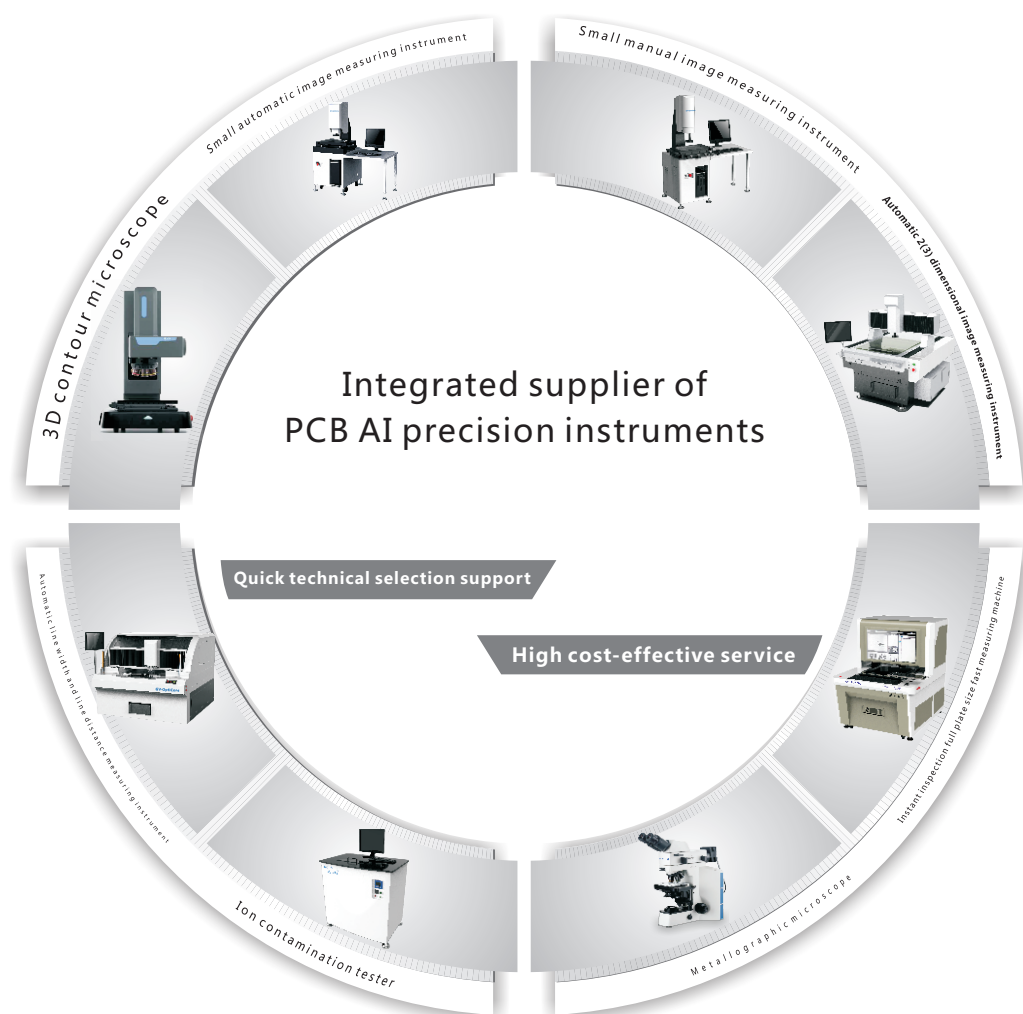
HONORARY QUALIFICATION



Product development history



About precision measuring instrument



Can achieve the electronic products manufacturing key process quality measurement needs:

- PCB: Measurement of key process data, such as etching, molding, compressing physics laboratory, shipment appearance inspection, etc.
- New Energy: Battery case, battery burr automatic size inspection
- Semiconductor: micro-semiconductor circuit, needle disc of various sizes of automatic inspection.

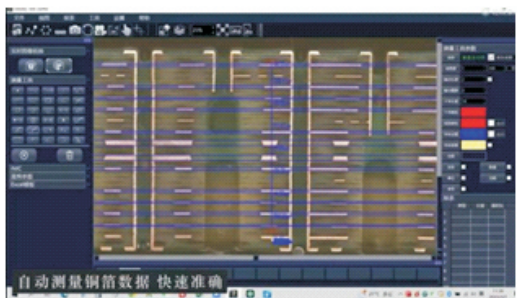
Semiconductor



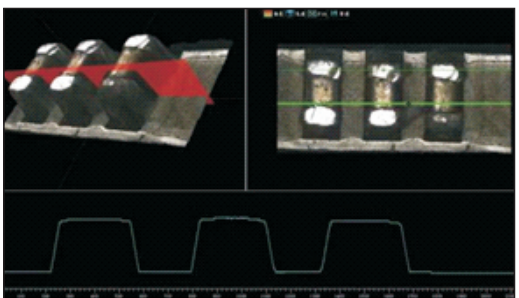
3D contour microscope YX-3DCNC

INSTRUMENTUSE

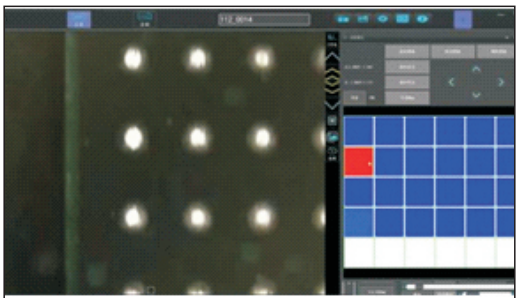
PCB, FPC laser 3D blind hole measurement (upper/lower aperture, hole depth), copper plating pitting degree measurement, PCB section observation and automatic measurement of copper foil data, semiconductor crystal ball 3D measurement, lithium battery burr detection, photovoltaic grid line 3D analysis, welding and riveting penetration depth measurement, with all 3D measurement functions and imaging of 3D microscope



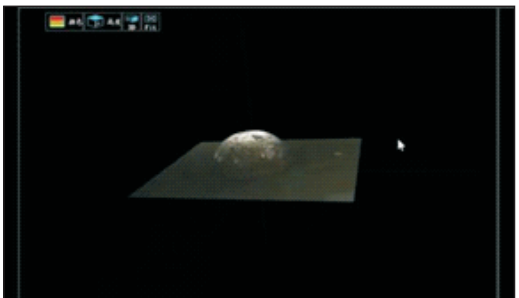
Automatic measurement of PCB slice size



3D contour size measurement

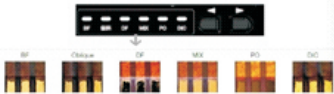
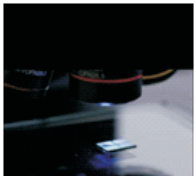
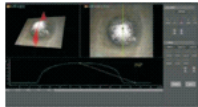
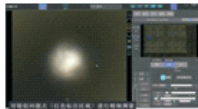
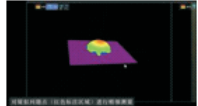
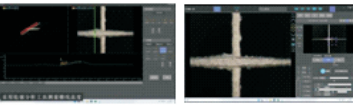
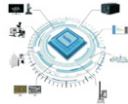


Scan the area to find abnormal holes



3D analysis of abnormal pore shape

Technical parameter :

Serial number	Functions and components	Characteristics and application	Refer to pictures and instructions
01	Optical observation function	Standard: bright field, dark field, mixed light, optional: polarized light, DIC, near infrared, fluorescence and other optical functions.	
02	The importance of the objective	5X, 10X, 20X, and 50X objective lenses (optional) are all multifunctional objectives compatible with bright field and dark field observation functions	
	Objective compatibility	Choose different specifications of objective lens, can achieve the microscope magnification range: 150x -- 600xField of view range: 3.52-0.88mm	
	Camera parameter	Built-in 5 million digital camera: 1, sensor: 2/3 "large layout CMOS sensor; 2, Dynamic: 12bit, meet the high speed 3D scanning imaging in high quality	
	One key 3D high-speed photography measurement	One-click 3D imaging is available through the control panel or software	
	Macro view function	Microscopes have large field of view at low magnification and small field of field at high magnification. To avoid the difficulty in finding the measurement and analysis position due to the small field of view at high magnification, the macro view function can be used.	
	3D photography	A 3D microscope produces 3D images through 3D scanning	
	Two-dimensional and three-dimensional intelligent puzzle	By setting the photo range, the microscope can automatically conduct 3D scanning and jigsaw puzzle on the large field of vision to realize a large range of 2D or 3D photos	
03	Measuring function	1, plane measurement function: length, width, circle, Angle, irregular circumference, area measurement; 2, 3D measurement: height, Angle, volume, profile measurement: cross-section and curvature measurement 3, optional other professional software, such as metallographic analysis software	
04	Working stroke/ measuring accuracy	X,Y platform resolution: 0.1umZ axis: working stroke 90mm, Z axis: resolution: 0.1um X.Y Worktable stroke: 260X260mm. Large platform can be customized	
05	MES	According to customers' MES requirements, data can be jointly linked and common (customized)	

YVM series
Standard small manual image measuring instrument



INSTRUMENTUSE

This series of devices can be used in all fields of 2D measurement, and can be used in precision hardware, mobile phone glass, electronics, mold, plastic and other industries.

FEATURES

- 1. Professional YR-CSPC measurement software.
- 2. Machine adopts flower diamond structure, good stability, temperature resistance, corrosion resistance.
- 3. The worktable adopts 000 level marble platform, which has good abrasion resistance and is not easy to deform.
- 4. Glass grating ruler 0.5 μm.
- 5. Three-axis v-guide rail and screw.
- 6. With 0.7-4.5 X manual zoom lens.
- 7. Contact probe can be installed to achieve the Z-axis measurement function.

Technical parameters :

project	Main technical parameters		
Instrument type	YVM-3020VT	YVM-4030VT	YVM-5040VT
Measuring stroke	300x200x200mm	400x300x200mm	500x400x200mm
Appearance size	650x600x1650mm	850x800x1650mm	950x850x1650mm
Instrument weight	180kg	250kg	350kg
Measurement accuracy	X,Y axis: (3+L/200)μm Z axis: (5+L/200)μm		
Repetition accuracy	3μm		
Glass bearing	50kg		
magnification	Optical magnification 0.7 ~ 4.5X, image magnification 24 ~ 156X (expandable to 30-312X)		
Resolution	Glass grating ruler, Resolution 0.5 μm		
CCD	760-line HD color camera		
Upper light source	Three rings and eight zones LED cold light source with adjustable brightness		
Lower light source	Parallel optical path LED cold light source with adjustable brightness		
Measuring software	YR-CSPC		
Optional parts	MCP probe, coaxial lens, double objective lens		
Power supply	220V/50Hz/10A		

Image measuring instrument

YVM series Standard small automatic image measuring instrument



INSTRUMENTUSE

The series is suitable for all application fields of two-dimensional measurement, can achieve high efficiency, accurate mass work measurement, in precision hardware, mobile phone glass, electronics, mold, plastic and other industries widely used.

FEATURES

1. Professional YR-CNC measuring software, with fast autofocus, automatic edge finding, selfDynamic measurement function, also has multiple coordinate system function, workpiece can be placed at will, softwareIt also has 3D height measurement, flatness, warpage and other measurement functions, and the measurement data can be importedWord, Excel, AutoCAD.
2. The machine adopts corundum structure, good stability, temperature resistance and corrosion resistance.
3. The work table adopts 000 grade marble platform, good wear resistance, not easy to deformation.
4. Imported grating ruler.
5. Three axes adopt Taiwan precision linear guide rail and screw.
6. It can be equipped with automatic magnification optical lens to realize automatic magnification measurement.
7. Contact probe or non-contact laser probe can be installed to achieve 3D measurement function.

Technical parameters :

project	Main technical parameters		
Instrument type	YVM-322CNC	YVM-432CNC	YVM-542CNC
Measuring stroke	300x200x200mm	400x300x200mm	500x400x200mm
Appearance size	750x700x1650mm	850x800x1650mm	950x850x1650mm
Instrument weight	300 kg	320 kg	500kg
Measurement accuracy	X,Y axis: (3+L/200)μm Z axis: (5+L/200)μm		
Repetition accuracy	3μm		
Glass bearing	50kg		
magnification	Optical magnification 0.7 ~ 4.5X, image magnification 24 ~ 156X (expandable to 12-312X)		
Resolution	Japan Nideko 0.2um metal patch ruler		
CCD	Two million digital HD cameras		
Transmission mode	Taiwan precision ball screw and guide rail		
Motion control	Imported, servo motor		
Upper light source	Five rings and eight zones LED cold light source with adjustable brightness		
Lower light source	Parallel optical path LED cold light source with adjustable brightness		
Measuring software	YR-CNC		
Mode of operation	Program control + joystick		
Optional parts	MCP probe, auto zoom lens, laser probe		
Power supply	220V/50Hz/10A		

Image measuring instrument

YVM series Fully automatic 2(or 3) dimensional image measuring instrument



INSTRUMENTUSE

The series is suitable for all applications of two-dimensional measurement, especially for large quantities, Large size batch product measurement, can achieve geometric elements, length, Angle, contour, Automatic measurement of shape and surface shape, widely used in PCB, FPC board, Film measurement and quality control.

FEATURES

1. Professional YR-CNC measuring software, with fast automatic focus, automatic edge finding, automatic measurement functions, Also has multiple coordinate system function, workpiece can be placed at will, the software also has 3D height measurement, flatness, Warp degree measurement function, measurement data can be imported into Word, Excel, AutoCAD.
2. Structure adopts moving bridge structure design, wide space, suitable for large size product measurement. Machine adoption Corundum structure, good stability, temperature resistance, corrosion resistance.
3. Z-axis has image and contact height measurement function, which can realize 3D measurement.

Technical parameters :

project	Main technical parameters			
Instrument type	YVM-652CNC	YVM-872CNC	YVM-1282CNC	YVM-15122CNC
Measuring stroke	600x500x200mm	800x700x200mm	1200x800x200mm	1500x1200x200mm
Appearance size	1200x1700x1650mm	1400x1800x1650mm	1800x2200x1650mm	2100x2600x1650mm
Instrument weight	1500kg	1900kg	3100kg	4500kg
Measurement accuracy	X,Y axis: (3+L/200)μm Z axis: (5+L/200)μm			
Repetition accuracy	3μm			
Glass bearing	50kg			
magnification	Optical magnification 0.7 ~ 4.5X, image magnification 24 ~ 156X (expandable to 12-312X)			
Grating ruler	Imported metal grating ruler, resolution 0.2μm(optional 0.1μm)			
lens	0.75 ~ 4.5X magnification manual magnification lens			
CCD	Imported high resolution color camera 2 million digital signal			
Transmission mode	Imported linear guide and grinding ball screw			
Motion control	Imported servo motor			
Upper light source	Parallel coaxial light source, high density patch LED			
Lower light source	Parallel optical path LED cold light source with adjustable brightness			
Measuring software	Yuanxing YR-CNC automatic measurement software			
Mode of operation	Program control + joystick			
computer	Lenovo brand computer			
Optional parts	Contact probe, automatic zoom lens, copolymerization laser, manual cylinder special platen mechanism			
Power supply	220V/50Hz/10A			

PCB FPC
VMA series fast measuring
machine for instant inspection
of whole plate size



INSTRUMENTUSE

VMA series instant detection full board size rapid measuring machine adopts: high-definition line scan camera image systemFor sampling basis, architecture: high precision granite platform and high precision transmission mechanism and grating calculation,Achieve perfect coordination of speed, precision and repeatability, combined with large area image algorithm, Embedded multithreaded fast measurement principle, within the measurement range, deflection Angle position, measuring machineCan realize automatic measurement, matching template, report generation, to achieve rapid and accurate measurement.

FEATURES

- 1, see the realization of single measurement, batch measurement, automatic measurement of three measuring modes
- 2, fast 100 kinds of software tools, including: basic geometric measurement, such as: point, line, circle (circle center sittingMark, radius, diameter), arc, center, intersection, straightness, parallelism, Angle, bitLocation, line width, line distance, hole diameter, hole location, hole number, hole to side distance, arc center toThe distance of the hole, the distance from the center of the arc to the edge, the distance from the high point of the arc to the high point of the arc, the intersection pointThe distance to the intersection.
- 3, automatic output of SPC analysis report, can output statistics (such as CA, CPK, PP, PPK) andControl charts (e.g. mean, range, standard deviation, median, range, single value, moving pole Difference chart)

Technical parameter :

Model number		VMA321QCNC	VMA551QCNC	VMA761QCNC	VMA871QCNC	VMA981QCNC
Measuring range		300X250X100mm	550X500X100mm	730X630X100mm	830X730X100mm	930X830X100mm
	X	300	550	730	830	930
	Y	250	500	630	730	830
	Z	100	100	100	100	100
Measurement accuracy		E1 xy = +/- (3+ L/200) um		E1 xy = +/- (4+ L/200) um		E1 xy = +/- (6+ L/200) um
Plate thickness		>20mm				
Measurable minimum aperture		Φ.0075mm				
Maximum scanning speed		200mm/s				
Sweep width		80mm				
Maximum moving speed		600mm/s				
Image acquisition system		High resolution line scan camera + face positive camera				
Glass cover		Fully automatic lifting glass cover plate				
Lighting system	Surface light	Dual LED programmed strip light source				
	underlight	LED programmed strip light				
Measuring item		Basic geometric quantities and form and position tolerance measurements, such as: point, line, circle (center coordinates, radius, diameter) arc, center, intersection, Straightness, parallelism, Angle, position degree, line distance, line width, hole position, aperture, number of holes, distance from hole to hole, arc centerThe distance to the hole, the distance from the center of the arc to the edge, the distance from the high point of the arc to the high point of the arc, the distance from the intersection point to the intersection point, etc.				
		Software and system				
Measuring software		YR-QCNC				
Document import format		DXF to achieve off-line programming				
Document output format		dxf, txt, csv, can be set to transfer to the customer system, upgrade and customize MES				
Operating system		Win10				
PC : 64-bit I7 128G memory 1T hard disk 4K 43 "/32 "/27 "large LCD display						
Air source		0.6MPa;20Lmin				
Working power supply		220V,50/60Hz.5kv				
temperature		The temperature is 20℃±1℃/ time, and the temperature is 30-80%				
Ambient vibration		Vibration <0.002g, low less than 10HZ				
Equipment size (Unit: mm)		900*600*1650	1850*1550*1765	2250*1700*1765	2650*1800*1765	2100*1750*1765
weight		about1000~3800kg				about5200kg
		Optional: Laser displacement sensor				
Optical measurement system		Single field accuracy	±1.5um			

PCB FPC
Ion contamination tester



INSTRUMENTUSE

This instrument is used to test the ion contamination degree of PCB board before cleaning and coating process.

FEATURES

- 1. The structure adopts fully enclosed circulation system.
- 2. Test method: static/dynamic, integrated.
- 3. Can be customized according to customer requirements capacity.

Technical parameters :

Parameter model	YX-LZ18	YX-LZ19	YX-LZ20	YX-LZ22	YX-LZ22A	YX-LZ23
Volume (about L)	5.5	10	17	32	35	43
Test cavity size (Wide and deep cm)	25X6X20	35X6X35	35X6X65	65X6X65	70X6X70	80X6X80
weight	90KG	100KG	110KG	150KG	170KG	190KG
Power supply	220V	220V	220V	220V	220V	220V
Solution (isopropyl alcohol: deionized water)	3:1	3:1	3:1	3:1	3:1	3:1
Standard solution (sodium chloride)	0.6/ML	0.6/ML	0.6/ML	0.6/ML	0.6/ML	0.6/ML
Measurement mode	Static dynamic	Static dynamic	Static dynamic	Static dynamic	Static dynamic	Static dynamic
Solution specific gravity	0.85-0.855	0.85-0.855	0.85-0.855	0.85-0.855	0.85-0.855	0.85-0.855
Filter basis	200MΩ	200 MΩ	200 MΩ	200 MΩ	200 MΩ	200 MΩ
Conductivity analysis rate (us/cm2)	0.001	0.001	0.001	0.001	0.001	0.001

PCB FPC

Automatic line width and line distance measuring instrument VMA-871XKCNC



INSTRUMENT USE

Suitable for automatic detection of PCB inner and outer etched circuit up and downLower width, distance between lines, distance from hole to side line Xu Shurui: and round hole, blindThe diameter of a hole, arc, etc.

FEATURES

- 1. Professional YR-XKCNC measuring software, imported ODB++ with fast automatic focus, automatic edge finding, automatic measurementFunction, can measure up and down line width, workpiece can be placed at will, measurement data can be imported Word, Excel, AutoCAD.
- 2. Adopt semi-closed mobile bridge structure, the machine adopts granite structure, good stability, temperature resistance, corrosion resistance, workTable pneumatic adsorption function.
- 3. Nideko metal reflective grating 0.2um, small coefficient of thermal expansion, high stability.
- 4. Three axis adopts imported precision linear guide rail and grinding ball screw drive system, long life and good stability.

Technical parameters :

project	Main technical parameters
Instrument type	YVM-871XKCNC
Measuring stroke	800x700x100mm
Appearance size	1400x2000x1500mm
Instrument weight	3200kg
Alloy table	100kg
Measurement accuracy	1X=±3µm,2X=±2µm,3X=±1µm,4X=±1µm
Repetition accuracy	±3µm
Glass bearing	50kg
magnification	Optical magnification 0.7 ~ 4.5 electric lens
Grating ruler	Japan Nideko Open metal Patch ruler 0.2µm
Adsorption platform	Vacuum adsorption platform
CCD	Imported color camera (including navigation CCD)
Transmission mode	Imported precision linear guide rail and grinding ball screw
Motion control	Imported linear motor, speed less than 500mm/s
Upper light source	Special LED cold light source with adjustable brightness
Lower light source	Parallel optical path LED cold light source with adjustable brightness
Measuring software	Source Xing YR-XKCNC special software
Mode of operation	Program control + joystick
computer	Industrial computer (i7 configuration, 21.5 "LCD display)
Off-line programming computer	Industrial computer (i7 configuration, 21.5 "LCD display)
Power supply	220V/50Hz/10A

PCB FPC

High speed hole position accuracy checking machine



efficiency :

Hole location, aperture size measurement speed: traditional quadratic element above 50X.

FEATURES

- 1. Powerful off-line SPC analysis software tool, quick and effective lifting drillHole quality.
- 2. Drilling needle service life analysis function, for customers to save drilling needle consumption decision basis.
- 3. The strong penetration effect of the lower light source can be measured by the back drilling plate.
- 4. It is convenient to import drill tape data and make program.

Technical parameters :

Model	VMA- - 761KCNC
Machine size	1850*1500*1550(L'WxH)
Machine weight	2.2T
Scope of work	650x730 mm
camera	Line CCD + Verification
Light source	Controllable strip light source
CAM format	odb++ , excellon, gerber
Test material	Copper foil sheet
Capacity (650 x730 mm)	40 sec
Plate thickness	0.05 ~ 8 mm
Minimum detection aperture	0.075 mm
Upper cover glass platen system	Pneumatic automatic pressure plate switch function
y-drive	Japan Panasonic high inertia servo drive motor
Resolution of Y grating scale	Imported m 0.5um metal patch ruler
Number of holes	infinite
Hole depth ratio	20:01
Hole position accuracy	±5um
Aperture accuracy (based on high precision glass)	±5um
Test item	Aperture size, accuracy of hole position, true drawing, hole plug, missing drill, slot hole defect
SPC analysis	Online analysis, offline database analysis, l excel analysis
Operating system	Window10 64-bit I7 Memory: 32GB Hard disk: 1T
Air pressure	5- 6 kg / cm2 / Flow rate : 60 L / min
Power supply	AC 220V, 1P, 60/ 50Hz, 1KW, Max. 10A

PCB FPC

Automatic sampler / YX-QY55

INSTRUMENTUSE

Used for automatic sampling of microchip in PCB metallographic analysis.



FEATURES

- 1. The sampling machine adopts drilling and milling mode to avoid sample deformation and ensure test accuracy
- 2. Control mode: PLC program design control
- 3. Location of red lights.

Technical parameters :

project	Main technical parameters
Model number	YX-QY55
Sampling size	Sample size range of 5X5 ~ 55X55mm, thickness of 0.5 ~ 8mm
Diameter of gong knife	Ø2.0mm
Sampling accuracy	≥0.2mm
Cutting speed	120 ~ 300mm/min
Overall dimension	680×530×1200mm
Table size	680x 430mm Laryngeal depth : 280mm
weight	80KG
Vacuum pressure	Air pressure : 0.6 ~ 0.8MPa

PCB FPC

Plate thickness measuring instrument

INSTRUMENTUSE

Used for PCB board thickness measurement.



Technical parameters :

project	Main technical parameters
Model number	YX-BL850
Measuring range	0~800mm
Measuring stroke	0.1~20 mm
Accuracy	±0.002mm
Display accuracy	±0.001mm
Laryngeal depth	550mm
Table size	900×850mm
Power supply	220V,50Hz,Ac, single-phase
Gas supply	0.6Mpa
Machine outline dimensions	950×900×1380mm
Net weight of machine	95kg
Computer and display data	Computer digital display E table data: SPC statistical analysis (optional)

PCB FPC

Double disc double control grinder/YX-SP220

FEATURES

The polishing machine is a double disk, double control and double motor, which can be operated by two people at the same time. It is suitable for pregrinding, grinding and polishing of metallographic samples. The machine can realize infinite speed change and free switching of steering, the left and right grinding disc can be obtained between 50-1500 RPM, so that the machine has a wider range of applications. It is an essential equipment for users to make metallographic samples. The machine has a cooling device, which can be used to cool the sample during pregrinding, in order to prevent the damage of the metallographic structure of the sample due to overheating. This machine is easy to use, safe and reliable, is the preferred instrument for PCB and integrated circuit slicing.



Technical parameters :

Project	Main technical parameters
Operating voltage	220V 50HZ
Grinding disc diameter	Ø203mm
Speed of rotation	50-1500 RPM
Electric motor	300W
Product size	650×510×350mm
Package size	800×800×430mm
weight	45kg
Packing weight	60kg

PCB FPC

Metallographic microscope

FEATURES

- 1. Optical system adopts infinite distance color difference correction optical system.
- 2. The software is easy to understand and can be used to measure points, lines, arcs, radii, diameters and angles. The software functions can be customized according to customer requirements.

INSTRUMENTUSE

Used for measurement and analysis of microslice of PCB board metallographic analysis.



Technical parameters :

Project	Main technical parameters
Model number	YX-40M
Optical magnification	50X ~ 500X
Eyepiece	10X (With micrometer)
Objective lens	5X, 10X, 20X, 50X
Converter	Four-hole ball converter
Lighting system	Fall-out lighting device: high brightness LED lamp lighting, The brightness is adjustable.
CCDcamera	3 megapixel HD camera
Measurement accuracy	0.0012mm
Loading platform	Double layer mechanical load: 190X140mm Moving range: 75X50mm
Sample height	Maximum sample height 28mm
Measuring software	YX-J

PCB FPC

Bench line width line distance detector/ YK-XK25

INSTRUMENTUSE

It is suitable for detecting the width of the upper and lower width of the circuit after etching inside and outside PCBDistance, hole to edge distance, and round hole, blind hole, arc diameter, etc., and applicableMeasurement of IC wafer, film and LCD iso-line width and distance.



FEATURES

- 1. Fast software measurement function: after selecting the measured line width area, the box will automatically determine the line boundary, output the line width value, determine NG and OK, and output the measured project data report at the same time, with SPC statistical analysis function.
- 2. Red light LED positioning, can quickly determine the measurement area.

Technical parameters :

Project	Main technical parameters
Model number	YX-XK25
Measurement accuracy	3X accuracy ±1μm, 2X accuracy ±2μm, 1X accuracy ±3μm
Magnification	Optical magnification 1.4x~9x can be adjusted continuously, image magnification 70x~450x
The plate width can be measured	≥760mm
Line width can be measured	20μm~1200μm
resolution	0.4μm~2.7μm/pixel
Range of visual field	0.53 x 0.4mm ~ 3.3x2.5mm
Overall dimension	960x760x1260mm
weight	150KG

Gelation tester

INSTRUMENTUSE

FEATURES

YX-NJ08 gelation time tester according to the IPC-TM-650 test method manual of the test sideMethod 2.3.18 Designed and manufactured, specially used for testing gelation time of semi-cured sheet and resin. Be equipped withVarious test tools as required.



Technical parameters :

Project	Main technical parameters
Temperature control accuracy of hot disk:	±0.5℃
Minimum hot disk temperature reading:	0.1℃
Operating temperature:	230℃maximum
The clock keeps time:	0-9999 seconds
Size of hot plate glue tank:	φ20.0mm
Power supply:	220V、50Hz、300W、single-phase
Size:	10×310×410mm(W×D×H)
Weight:	11.5kg

PCB FPC

Blind hole metallographic tool microscope

INSTRUMENTUSE

Suitable for automatic detection of PCB inner and outer etched circuit up and downLower width, distance between lines, distance from hole to side line Xu Shurui: and round hole, blindThe diameter of a hole, arc, etc.

FEATURES

- 1. Powerful off-line SPC analysis software tool, quick and effective lifting drillHole quality.
- 2. Drilling needle service life analysis function, for customers to save drilling needle consumption decision basis.
- 3. The strong penetration effect of the lower light source can be measured by the back drilling plate.



Technical parameters :

Instrument type	YVM-4030J
Measuring stroke	400*300*200mm
Overall dimension	1360*720*940mm
Glass bearing	30kg
Instrument weight	380kg
Measurement accuracy	X.Y axis ≤ (3+1/1000) μm, Z-axis electronic handwheel 1um movement, field of view: ±1μm
Repetition accuracy	2μm
Grating scale resolution	0.0001mm
CCD	5 million digital HD cameras
Measuring software	YR-CSPC
lens	6R Light and Dark Field Metallographic microscope lens (5X. 10X. 20X. 50X four objectives)
Lower light source	Parallel optical path design, continuously adjustable LED cold light source
Guide rail	High precision V-cross guide rail
Power supply	220V/50Hz

PCB FPC

X-ray machine / YX-XG12

INSTRUMENTUSE

The equipment is suitable for pressing and drilling in PCB processObservation and inspection of inner hole alignment accuracy.

FEATURES

- 1. Sealed microfocal X-ray tube and X-ray intensifier are used to ensure clear images.
- 2. Equipped with navigation HD camera to observe the specified position and realize visual dynamic display of observation.
- 3 can be the image in static and dynamic circumstances, the machine has high reliability X-ray multiple protection measures(sealed microfocal X-ray tube, semi-closed lead protection and double lead rubber protection curtain) to ensure the operatorSafe and reliable.
- 4. The software adopts a variety of image processing and measurement technologies, which can observe and measure the center of the circle, point to point in real timeDistance, circular area, etc., and can be combined with four figures.

Technical parameters :

Project	Main technical parameters
Model number	YX-XG12
Measurement accuracy	50μm
Resolution	21lp/cm
Check the PCB board thickness	≤26 layers
Visual range	φ20mm
Perspective magnification	8X~64X
X-ray tube	Maximum voltage: 50kv, maximum current: 1mA, maximum power: 50w
Radiation leakage	≤0.5μSV/h
Overall dimension	1050*850*1500mm
Weight	130Kg



PLEDGE



From sample testing, equipment selection, to site installation training, afterExperience rich engineers full service/technical guidance;



The company's product warranty period is 12 months, during the warranty period for non-useFor damage and failure caused by household responsibility, the company will repair/replace it free of charge;



The company's sales and service centers throughout the country, to ensure that for customersFor timely installation of equipment, product training and insurance, andCommitment to telephone response within 2 hours, 24 hours on-site service;



For products outside the warranty period, follow up the whole process and visit the engineer siteMaintenance, with preferential prices, timely service to meet customer needs.