

# JATEN



## 东莞市嘉腾仪器仪表有限公司

### Dongguan Jaten Instrument Co., Limited

**HK office: Jaten Technology Co., Limited**

<http://www.dgjateng.net/>

**High quality  
More professional**

Add: 28. Shangqiao Industrial Road, Dongcheng District, Dongguan, Guangdong, China 519108

工厂地址：东莞市东城区上桥工业大道松浪街28号 邮政编码：519108



东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

# Catalogue

1. Company Profile 公司简介-----P1-11
2. Product Introduction 产品介绍-----P12-41

**A.QVS series auto video measuring machine(QVS系列全自动影像测量仪 )**

**B.QA series:**

Auto video Measuring Machine (QA系列全自动影像测量仪 )

Auto video Measuring Machine(QA系列双镜头全自动影像测量仪 )

**C.Intelligent audio brightness uniformity tester QA-4030-TZ (智能音响亮度均匀度测量仪QA-4030-TZ )**

**D.MV large travel Gantry automatic measuring (MV大行程全自动影像仪)**

**E.One Key&Start Robot Video Measuring Machine (一键式快速测量仪)**

**F.Multi-function automatic dispenser (多功能自动点胶机)**

**G.Online automatic dispenser (在线自动点胶机)**

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# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## 公司简介 Company profile

Dongguan Jaten Instrument Co.,Ltd .  
It is specialized in dimensional measuring instrument,Image measuring instrument, Coordinate measuring machine , Tool microscope and automatic glue dispensing machine, electronic product dispensing machines PCB dispensing machines etc.  
Jaten is certified with ISO 9001:2008 quality system. We granted the certification of CE.

It's a research, development, manufacturing and sales in the integration of international high and new technology enterprise.  
R& D Head office is located in Dongguan city, China. We have advanced R&D center with 10 engineers and 13 technicians , 2 modern production workshops , more than 300 staffs.



Company products are mainly used in electronic appliances,hardware and plastic products, aerospace, military industry and so on . Many years efforts, Jaten have more than 10 brand agents over the world. Products have exported to more than 40 countries and regions.

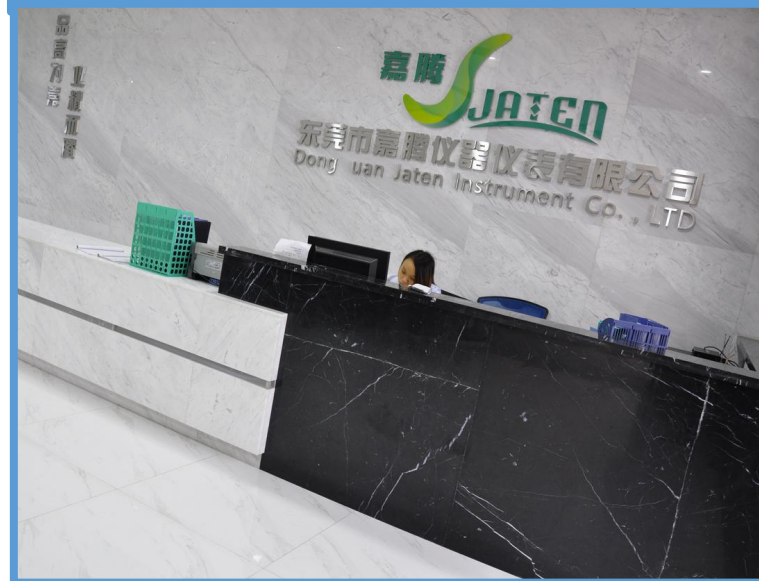




The logo for JATEN, featuring the word "JATEN" in a bold, green, sans-serif font. The letter "A" is stylized with a diamond shape inside. The logo is set against a white background within a green oval border.

东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

前台和仪器展示厅:





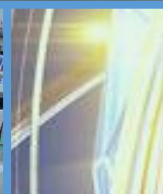
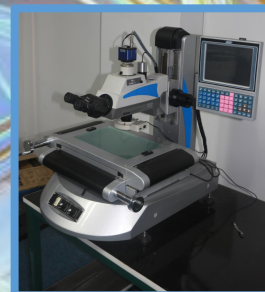


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东莞市嘉腾仪器仪表有限公司

Jaten Technology Co., Limited

生产车间 Working room



<http://www.dgjateng.net>



# JATEN

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Jaten Technology Co., Limited

# JATEN

## 嘉腾

东莞市嘉腾仪器仪表有限公司

## 1A95 shenzhen Exhibition

## 2017全触摸屏和显示屏展

### C-TOUCH&DISPLAY SHENZHEN 2017

时间: 2017年11月 24-26

地点: 深圳会展中心

Place : Shenzhen Convention & Exhibition Center

地址: 中国深圳市福田区福华三路。

add : Fuhua Third Road, Futian Central District, Shenzhen, China

东莞市嘉腾仪器仪表有限公司  
DongGuan Jaten Instrument Co., Ltd.  
做世界信赖的光学测量设备, 让企业更信赖!

主营产品:  
专业生产光学测量设备, 全自动影像测量仪, 在线测量, 自动点胶机, 在线全自动点胶机, 自动组装机, 为您提供一站式服务, 为提高您产品的质量和效率服务!

好仪器·嘉腾

创新创业 赢在东莞  
第二届中国创新创业大赛(广东·东莞)总决赛  
暨首届赢在东莞科技创新创业大赛

### 一等奖

东莞易步机器人有限公司

东莞市三基音响科技有限公司

东莞光韵达光电科技有限公司

东莞市豪辉精密机械有限公司

东莞市翼友科技有限公司

广东纳明新材料科技有限公司

东莞市嘉腾仪器仪表有限公司

东莞市精维电子科技有限公司

<http://www.cnjaten.cn>



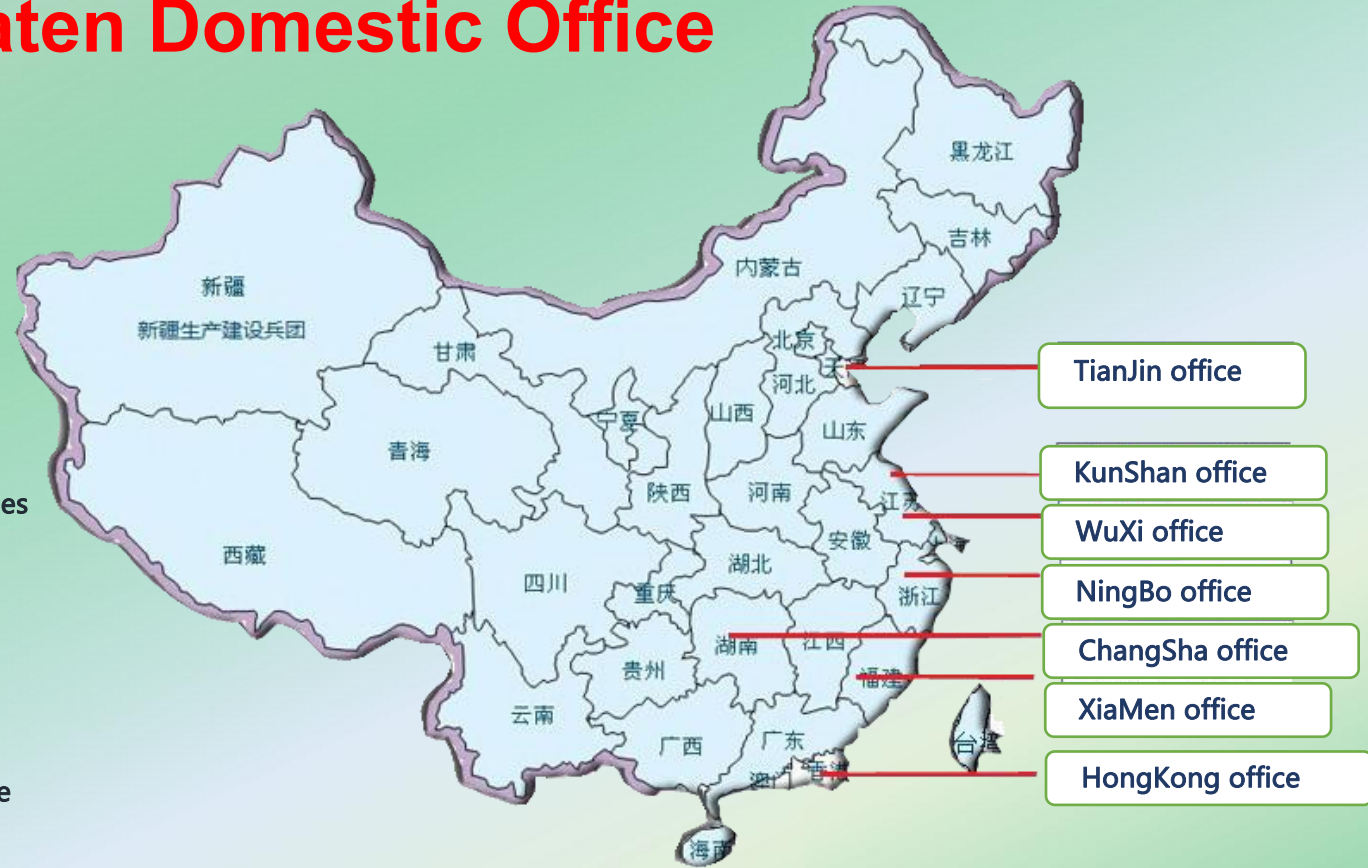


# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Jaten History

- ※ 2005 Jaten Instrument Co., Limited was formally established
- ※ 2005年嘉腾仪器仪表有限公司正式成立
- ※ 2006 Jaten owned foreign trade company was established
- ※ 2006年嘉腾所属外贸公司成立
- ※ 2007 Jaten Hong Kong company was established
- ※ 2007年嘉腾香港公司成立
- ※ 2008 set up offices in Shenzhen, Suzhou, Ningbo Branch
- ※ 2008年建立深圳、苏州、宁波分部办事处
- ※ 2009 to establish Shanghai, Huizhou, Wuxi branch offices
- ※ 2009年建立上海、惠州、无锡分部办事处
- ※ 2010 to establish Tianjin, Xiamen, Changsha, Chongqing, Chengdu branch offices
- ※ 2010年建立天津、厦门、长沙、重庆、成都分部办事处
- ※ 2010 Jaten won the "provincial private technology enterprises"
- ※ 2010年嘉腾公司荣获“省民营科技企业”
- ※ December 2010 Jaten won the "high-tech enterprises"
- ※ 2010年12月嘉腾公司荣获“高新技术企业”
- ※ September 2011 Jaten product Video measuring instrument VMS-6040 won the "third prize of science and technology city"
- ※ 2011年09月嘉腾产品影像测量仪VMS-6040荣获“市科学技术三等奖”
- ※ April 2012 Jaten won the "patent pilot enterprises in Dongguan City"
- ※ 2012年04月嘉腾公司荣获“东莞市专利试点企业”

## Jaten Domestic Office





东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

	Patent name	Patent No.:	Type	Holding unit	Issued by the unit
1	Programmable light source	ZL200810166900.8	Invention patents	Jaten	PRC Intellectual Property Office
2	Horizontal image online instrument	201010524380.0	Invention patents	Jaten	PRC Intellectual Property Office
3	Video measuring digital instrument	ZL200820135632.9	Utility model patents	Jaten	PRC Intellectual Property Office
4	Programmable light source	ZL200820135636.7	Utility model patents	Jaten	PRC Intellectual Property Office
5	Measuring Projector	ZL200830140614.5	Exterior Design patent	Jaten	PRC Intellectual Property Office
6	Online dispenser	ZL200830140612.6	Exterior Design patent	Jaten	PRC Intellectual Property Office
7	Video measuring Machine	ZL200830140615.X	Exterior Design patent	Jaten	PRC Intellectual Property Office
8	Light group(USB)control	ZL200830140616.4	Exterior Design patent	Jaten	PRC Intellectual Property Office
9	Data processor	ZL200830140617.9	Exterior Design patent	Jaten	PRC Intellectual Property Office
10	Automestic Dispenser	201020582812.9	Exterior Design patent	Jaten	PRC Intellectual Property Office
11	QuickMeasuring2.0	2010SR016089	Exterior Design patent	Jaten	PRC Intellectual Property Office
12	QuickMeasuring4.0	2010SR019340	Software copyright	Jaten	PRC Intellectual Property Office
13	Connector testing software	2010R11L113845	Software copyright	Jaten	PRC Intellectual Property Office





# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Patents& Award



Product CE safety certification



Measurement assurance system Confirm qualified certification



ISO9001:2008 quality management system



Exterior design patent certificate (multiple)



Utility model patent certificate (multiple)



Invention patent certificate (multiple)



Automatic Video measuring instrument control software



Connector testing software copyright certificate



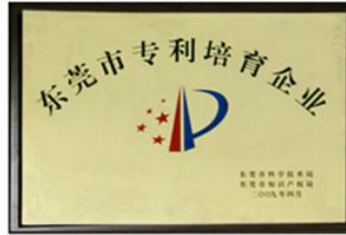
Fully automatic CCD registration screen printing machine control software



high-tech enterprise certification



Dongguan patent testing enterprise



Dongguan patent training enterprise



Dongguan Scientific & technological progress Third prize certification



2010 Guangdong Province Private technology enterprise



Dongguan Scientific & technological progress Third prize



Guangdong Province Private technology enterprise



high-tech enterprise 2010



Dongguan Quality Association executive director units





# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## CE & ISO Certification

Jaten is a national high-tech enterprises & private technology enterprises in Guangdong Province, also is Quality Association executive director units & patent training enterprises in Dongguan City, got CE & ISO9001: 2008 quality system certification enterprises. Jaten brand has been recognized and trusted by all parties, has long been among the leading brands among peers.

嘉腾是国家高新技术企业，广东省民营科技企业、东莞市质量协会常务理事单位、东莞市专利培育企业、ISO9001：2008质量体系认证企业。嘉腾品牌得到了各方的认同和信赖，早已成为同行之中的领先品牌。



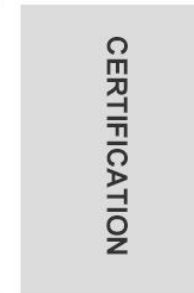
Certificate title



Certificate title



Certificate title



Certificate title





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### business license

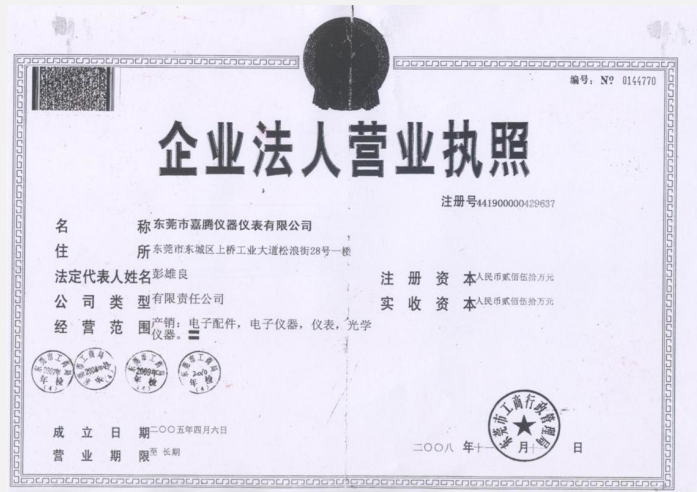
**Company Name:**  
东莞市嘉腾仪器仪表有限公司  
**Jaten Technology Co., Limited**

**Registration No.:**441900000429637  
**Legal person:**Peng Xiong Liang  
**credit code:** 914419007730865202

**Type:** limited liability company  
(natural person investment or holding)

**Registered capital:**RMB 250.00 million  
**Establishment Day:** April 6, 2005  
**Business deadline:** April 06, 2005

<http://www.dgjateng.net>



<http://gsxt.gdgs.gov.cn/>

中华人民共和国国家工商行政管理总局监制



# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Jaten Partners

Jaten company's partners are panasonic, HP, Foxconn, Midea, YKK, Siemens, Epson, TPK and so on.







# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### Order processing

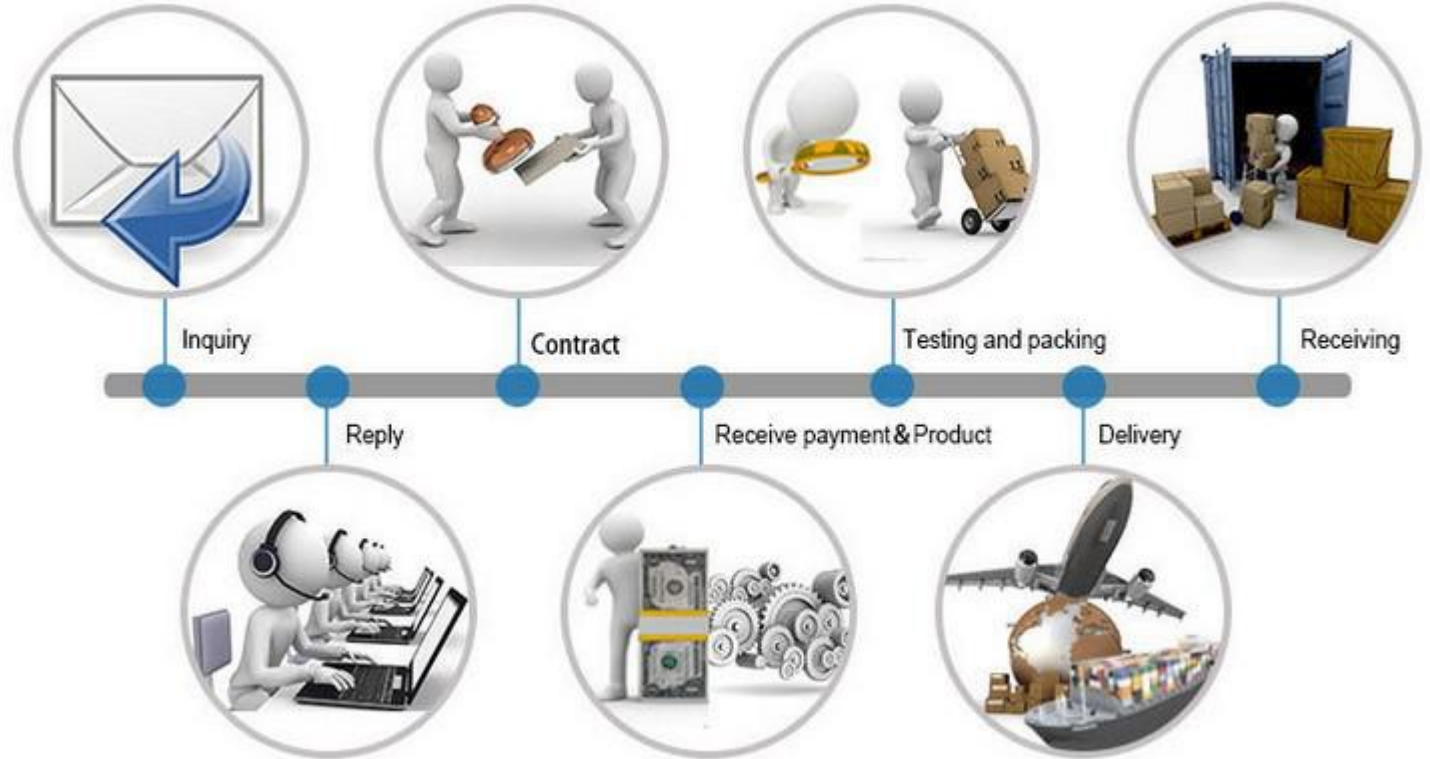
1. inquiry
2. Reply
3. confirm order  
Contract(PI)
4. TT payment  
(deposit or all)
5. Product
6. Testing&packing
7. Delievery
8. Receiving
9. After-sale
10. feedback
11. repeat order



Since the machine is confirmed to be qualified after inspection  
Machine warranty for one year, life-long maintenance

1. All the machine supplied is accordance with national standards or industry standards to ensure the advanced technology and reliability of the laboratory equipment.
2. Parts and accessories required for perennial supply.
3. Products perennial support, product maintenance within 24 hours to provide solutions.
4. Software lifetime free upgrade

Jaten is High-tech enterprises who dedicated to provide you with quality&one-station style service





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### Main Products

Jaten specializing in:

- Projector,
- Microscope,
- Video measuring Machine
- Automatic/Economical/Manual / Gantry/Enhanced/CNC/one-key...
- Various types of non-standard custom testing equipment,
- Automatic dispenser,
- Online dispenser
- Multi-axis automatic dispensing equipment and other equipment, etc.

<http://www.dgjateng.net>

### video measuring machine



### profile projector



### Tool Microscope



### Glue dispensing machine



### MAIN PRODUCTS

Honesty, pragmatism, innovation, quality is the first.

CNC Video Measuring Machine QVS-4030

Glue Dispensing Machine Model JT-D3310

Advanced product structure  
Stable performance  
Reliable quality

JATEN

ENTERPRISE PURPOSE  
Innovation and customer first is our company's main purposes.

Manual Video Measuring Machine JTYMS-3020 2.5D

Profile Projector VB12

### Accessories

导边器 Edge finder	脚踏开关_JT150 Foot switch_JT150	索尼CCD SONY CCD
线纹尺 Line pattern ruler	V型架/顶针架 V-frame/thimble frame	四轮灯 Four-wheel drive lights





# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Measuring machine



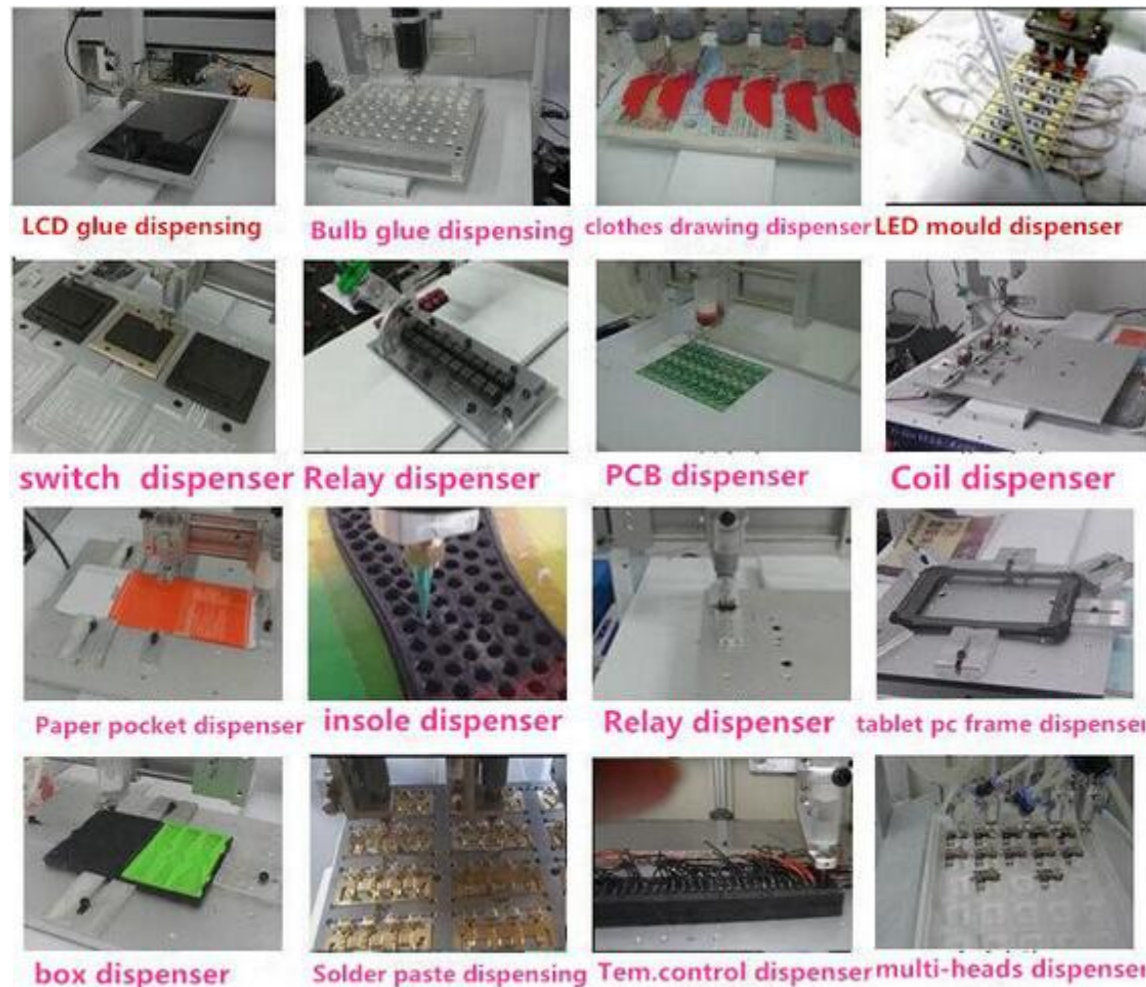
### Applied Industries

Electronics 	Engraving 	Composites 	5 Axis 
Dental 	Dispensing 	Micro Drilling 	Machining Aluminum 
Machining Plastic 	Machining Graphite 	Firearm Engraving 	Medical 
Aerospace 	Milling Panels 	Thermoforming 	Counter Plates 

## Application

1. Electronic appliances, PCB, LCD...
2. Hardware parts,
3. Plastic products,
4. Aerospace,
5. Military industry and so on

## Glue dispensing machine







东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

Production  
Catalogue

R & D

Product

Sale

NO.	CATEGORY	STRUCTURE	SERIES	ITEM NO.
1	Measuring projector	Vertical	JT3000	JT-3015/3015Z/3020/3020Z
2	Measuring projector	Vertical	JT3000A	JT-3015A/3015AZ/3020A/3020AZ/3025A/3025AZ
3	Measuring projector	Horizontal	HB	HB12/HB16/HB24
4	Measuring projector	Vertical	VB12	VB12-1550/2010
5	Measuring projector	Vertical	VB16	VB16-2515
6	video measuring Machine	Vertical	DV	DV-2515/3020/4030
7	video measuring Machine	Vertical	JTVMS	JTVMS-1510/2010/2515/3020/4030/5030/5040
8	video measuring Machine	Horizontal	HV	HV-3015
9	video measuring Machine	Vertical	VTC	VTC2-515
10	Auto-video measuring Machine	Vertical	AV	AV-3020CNC/3030CNC/4030CNC
11	Auto-video measuring Machine	Vertical	QA	QA3020CNC/4030CNC
12	Auto-video measuring Machine	Gantry	QVS	QVS3020CNC/4030CNC/5040CNC/6050CNC/7050CNC
13	Auto-video measuring Machine	Gantry	MV	MV1080CNC/1210CNC/1612CNC/1812CNC/2216CNC/7070CNC
14	Economical three dimensional	Vertical	JTVMS	JTVMS-1510T/2010T/2515T/3020T/4030T

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东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

Production  
Catalogue

R & D

Product

Sale

NO.	CATEGORY	STRUCTURE	SERIES	ITEM NO.
1	Economical three dimensional	Vertical	DV	DV2515T/3020T/4030T
2	Three dimensional	Vertical	JT	JT-654/765/865/875
3	Three dimensional	Vertical	JT	CNC654/886/1086/12108/15108
4	Large travel video measuring instrument	Float gantry	VMS	VMS-5030/6040
5	Tool microscope	Vertical	VMS	VMS-1860/1960/GX2515-IIA/GX-2515-11N
6	One-key measuring instrument	Vertical	IM	IM60/IM100/IM150
7	cutter video measuring instrument	Vertical	VMSD	VMSD-2010
8	Three-axis automatic dispenser	Desktop	JT	JT-D3210/D3310/D3410
9	Triaxial double Y automatic dispenser	Desktop	JT	JT-D3441/D3641
10	Four-axis automatic dispenser	Desktop	JT	JT-D4210/D4410
11	Five-axis automatic dispenser	Desktop	JT	JT-D5410
12	Automatic displacement machine	Vertical	JT	300*300*50 (mm)
13	Soldering machine	Desktop	JT	JT-9384
14	Image Identification	Desktop	JT	

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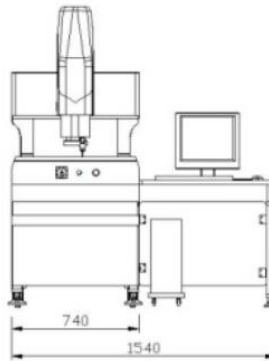
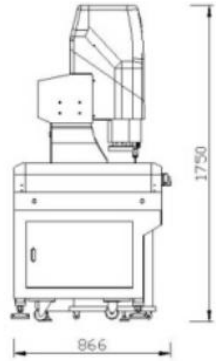
## Jaten Technology Co., Limited

### QVS Series Auto-Video Measuring Machine

Video Measuring Machine



- Application:
1. Hardware parts  
PCB  
LCD
  2. glass products
  3. SIM / CI card



Jaten QVS series Video Measuring machine						
Model	QVS-3020CNC	QVS4030CNC	QVS5040CNC	QVS5060CNC	QVS6050CNC	QVS7050CNC
X,Y,Z-axis Travel(mm)	300x200x200	400x300x200	500x400x200	500x600x200	600x500x200	700x500x200
dimensions (mm)	830x750x1800	1030x750x1800	1080x950x1800	1280x950x1800	1280x950x1800	1750x1416x1760
net Weight (KG)	440	500	630	740	720	720
Load-bearing weight (KG)	35	35	30	30	30	30
Accuracy	X,Y-axis (um)	$\leq(3+L/200)\mu\text{m}$ ( can matching with Optional probe to measure height, optical height deviation $\leq(4+L/200)\mu\text{m}$ , probe height deviation $\leq(3+L/200)\mu\text{m}$ )				
	Z-axis	$\leq(4+L/200)\mu\text{m}$				
Grating ruler	American GSI High-precision grating ruler, resolution 0.5um					
CCD	Japan Sentech Color 625 colorful CCD Camera					
Optical system	Automatic Zoom Lens 0.7~6.5times, zoom ratio 12X, Video Total Magnification:30X~230X, Object View:7~1.1mm, can matching with Optional Laser,UK Renishaw Probe ,can measure the thickness of transparent glass and flatness					
illumination system	Continuous adjustable LED ring surface & contours & coaxial light, according to program-controlled to adjust the intensity & rate of light					
Software system	QuickMeasuring, Automatic video measurement software					
working environment	20°C±3°C, Temperature 45%-75%, isolated from the external vibration source					
power supply	220V±10%, 180V~260V(AC), 50HZ					
Optional Accessories	Can match with Objective/Laser/Probe/cupboard/version/ Brand CCD.....					

QVS 系列 全自动影像测量仪





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### QVS Series Advanture & Feature

QVS series of automatical video measuring machine is a new small gantry CNC video measuring machine researched and developed by our company. It adopts imported precision parts to improve the machine's accuracy and stability . The gantry video measuring machine applicated in PCB circuit boards, CCL, flat glass, LCD modules, Cutter Modul and absolutely materials ,etc.

- High-precision marble base, beams to ensure high stability and rigidity.
- Small gantry architecture move, load glass Workbench not move, can obtain more higher speeds and not affect to measure.
- Precision grinding rolling bead wire bar and Taiwan TBI precision linear guide, match with Japanese Matsushita servo motor which adopt double closed-loop motion control, can high-speed&accurate positioning and moving stability.
- Japan STC625 high-resolution colorful camera, using our own R&D's surface cold light source which are made from the independent 48 groups light sources, each group uses constant current & continuously adjustable driven, to ensure high-quality measuring image.
- Measuring system uses imported open US GSI precision optical grating ruler, resolution 0.5um.
  
- Adopted the embedded modul block of Jaten's exploitation to control motor, improves the motor responsive speed and also simplifies the interface between the machine and the PCs connector. They just are connected through the USB cable and the S-terminal cable.
  
- Automatical continuous zoom lens can zoom automatically, not need manual re-accuracy check.
  
- Image navigation system can let you locate and measuring workpieces quickly, greatly improve the measuring efficiency.
- With Jaten dedicated automatic video mearing machine software **Quick Measuring**, can programme& detect automatically, greatly improve the measuring efficiency .
- Optional British RENISHAW touch probe with  $\Phi 1$ ,  $\Phi 2$  probe needle, match with **Quick Measuring** automatical video mearing machine software, carry on three-dimensional measurement.





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### QA Series Auto-Video Measuring Machine

Automatic fast detector  
(integrated machine)



Model		QA-3020CNC	QA-4030CNC	QA-5040CNC
X,Y,Z-axis Travel(mm)		300x200x200	400x300x200	500x400x200
dimensions (mm)		890x630x1780	1050x750x1735	1240x940x1780
net Weight ( KG )		410	530	760
Load-bearing weight ( KG )		35	35	30
Accuracy	X,Y-axis (um)	$\leq(3+L/200)um$ , Repeatability 2um		
	Z-axis	$\leq(4+L/200)um$		
Grating ruler		High-precision grating ruler, resolution 0.5um		
CCD		Japan Sentech Color 625 colorful CCD Camera		
Optical system		Automatic Zoom Lens 0.7 ~ 6.5times, zoom ratio 12X, Video Total Magnification:30X~230X ,Object View:7~1.1mm,Optional Laser,UK Renishaw Probe ,can measure the thickness of transparent glass and flatness		
illumination system		Continuous adjustable LED ring surface &contours&coaxial light, according to program-controlled to adjust the intensity&rate of light		
Software system		QuickMeasuring,Automatic video measurement software		
working environment		20°C±3°C, Temperature 45% -75%, isolated from the external vibration source		
power supply		220V±10%,180V~260V(AC),50HZ		

<http://www.dgjateng.net>





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### QA Series Advantage & Feature

- Precision grinding rolling bead wire bar and Taiwan TBI precision linear guide, match with Japanese Matsushita servo motor which adopt double closed-loop motion control, can high-speed&accurate positioning and moving stability.
- High-precision marble base, cantilever, and marble workbench to guarantee high stability and rigidity.
- Small gantry architecture move, load glass Workbench not move,can obtain more higher speeds and not affect to measure.
- Japan STC625 high-resolution colorful camera, using our own R&D's surface cold light source which are made from the independent 48 groups light sources, each group uses constant current & continuously adjustable driven, to ensure high-quality measuring image.
- Measuring system uses imported open US GSI precision optical grating ruler, resolution 0.5um.
- Adopted the embedded modul block of Jaten's exploitation to control motor, improves the motor responsive speed and also simplifies the interface between the machine and the PCs connector.They just are connected through the USB cable and the RS232 cable.
- Automatical continuous zoom lens(1-10X) can zoom automatically,not need manual re-accuracy check.
- Image navigation system can let you locate and measuring workpieces quickly,greatly improve the measuring efficiency.
- Automatically Align focus&edge search&measure& adjust light& turn zoom,can operate joystick and mouse , automatically turn the workpiece into the CAD/3D/Excel report
- With Jaten dedicated automatic video mearing machine software **Quick Measuring**, can programme& detect automatically, greatly improve the measuring efficiency .

<http://www.dgjateng.net>



东莞市嘉腾仪器仪表有限公司

Jaten Technology Co., Limited

QA Series Advantage & Feature



No	QA-4030CNC(2Y)			
Grating rule system	Optical ruler resolution	0.5um		
	Measuring range	X-Axis	300mm	
		Y-Axis	400mm	
		Z-Axis	200mm	
	High precision	XY Axis $\leq (3+L/200)\mu\text{m}$		
Machine body	BALL SCREW/ guide rail	TBI Precision linear guide rail and grinding grade screw		
	load weight (kg)	30		
	body size (L*W*H)	1050x750x1735 (mm)		
	body weight (kg)	360		
Video Probe system	video system	CCD	JAPAN SENTECH 625 1/2 CCD	
		Image Grabber	DH acquisition board	
	lens	Auto objective lens	JATEN	
		enlarge times	23X--190X magnification	
		Object field	1.7-11.1mm	
	light source	Light Programmable	JATEN-XT	
		upper surface light	LED white (48 Zone control)	
		under contour light	LED white	
coaxial light sources(OPDX)		JATEN-1		
Drive control system	Servo drive system	Panasonic (MHMD/MDDHT)		
	Controller	LPC/PC		
	Control cardboard	Landwin联盈		
software	Full Auto quick measuring software			
working envirment	temperature $20^{\circ}\text{C} \pm 3^{\circ}\text{C}$ , humidity 45%-75%, installation no obvious shaking source			
	220V $\pm 10\%$ , 50Hz			

<http://www.dgjateng.net>



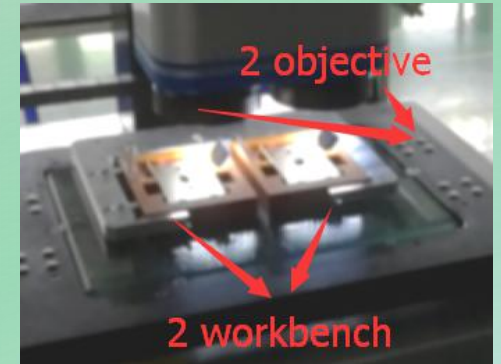


# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

<http://www.dgjiateng.net>

### QA Series Auto-Video Measuring Machine



The instrument is cantilever CNC double-lens video measuring machine which is developed by our company , it has the following characteristics:

- With dual-lens structure, its efficiency can improve double times compared with the traditional single-lens measuring machine when each time capture the workpieces' profile,so one pcs' measuring capacity more better than two pcs' measuring capacity.
- High-precision marble base, cantilever, and marble workbench ensure high stability and rigidity. Precision grinding rolling bead wire bar and precision linear slideway, match with Japanese Matsushita servo motor which adopt double closed-loop motion control, can high-speed&accurate positioning and moving stability.
- Japan STC625 high-resolution colorful camera, using our own R&D's surface cold light source which are made from the independent 48 groups light sources, each group uses constant current & continuously adjustable driven, to ensure high-quality measuring image.
- Adopting the embedded modules which are developed by our company to control motor , improves the motor responding speed and simplifies the interface between the machine and the PC. They are connected through the USB cable and the S-terminal cable.
- Double automatic connection zoom lens, automatic turn bigger zoom ,no need people re-accuracy check.
- With automatic measurement software, can program to automatic detection, greatly improving the measurement efficiency.

Name	BRAND/ SPECIFICATION
CCD	TWO ORIGINAL IMPORTED JAPAN SENTECH 625 1/2 CCD
Lens	Two JATEN automatic power zoom lens
software	AUTOMATIC MEASUREMENT SOFTWARE
map navigation	MATCH WITH EXTRA CCD, CAN MAP NAVIGATION
Grating ruler	JATEN,resolution 0.5um
Upper surface lighth	JATEN 48 Control area, LED cold light source, double surface lamp
Under contour light	LED white,double bottom light
coaxial light source	high-end coaxial light,more better to adjust the light, double coaxial light
Data Processor	JATEN/ Landwin control system
Video grabber	DaHeng 大恒
Guide rail	Taiwan TBI precision guide rails and high-speed Silent grinding ball screw
base	Marble .Shandong/Jinan/qingdao
Column	Marble .Shandong/Jinan/qingdao
workbench	Marble .Shandong/Jinan/qingdao
servo motor	Japan Matsushita servo motor,triaxial

## Intelligent audio brightness uniformity tester QA-4030-TZ



### 1. Structure Introduction

The device provides a test environment for the workpieces' luminance index, you can find & identify the workpieces' luminance index whether it is normal through the imaging capture. The instrument can measure optical components such as transmittance, uniformity, Chroma and other video measuring Optical index test, The Bottom backlight Provide light for the membrane, use the Imaging colorimeter measure the surface of light permeability components, can measure the transmittance, uniformity, Chroma, color and other optical indicators.

### Imager parameters:

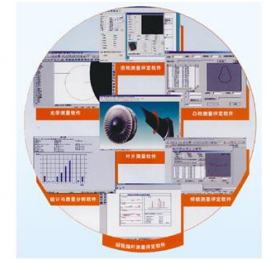


Through the optical system software analyzes the measured luminance index, and outputs/export the saved result on the display. The system identify the material OK or NG according to the detected digital.

QA-4030-TZ

JATEN

Intelligent audio  
brightness uniformity tester



### 2. Working Principle & Usage

The main principle is to rotate the test object into the testing environment by rotating workbench, test items one by one be tested by Internal image illuminance meter, the optical system software automatically records the luminance index of the tested object and sends it back to the workstation.



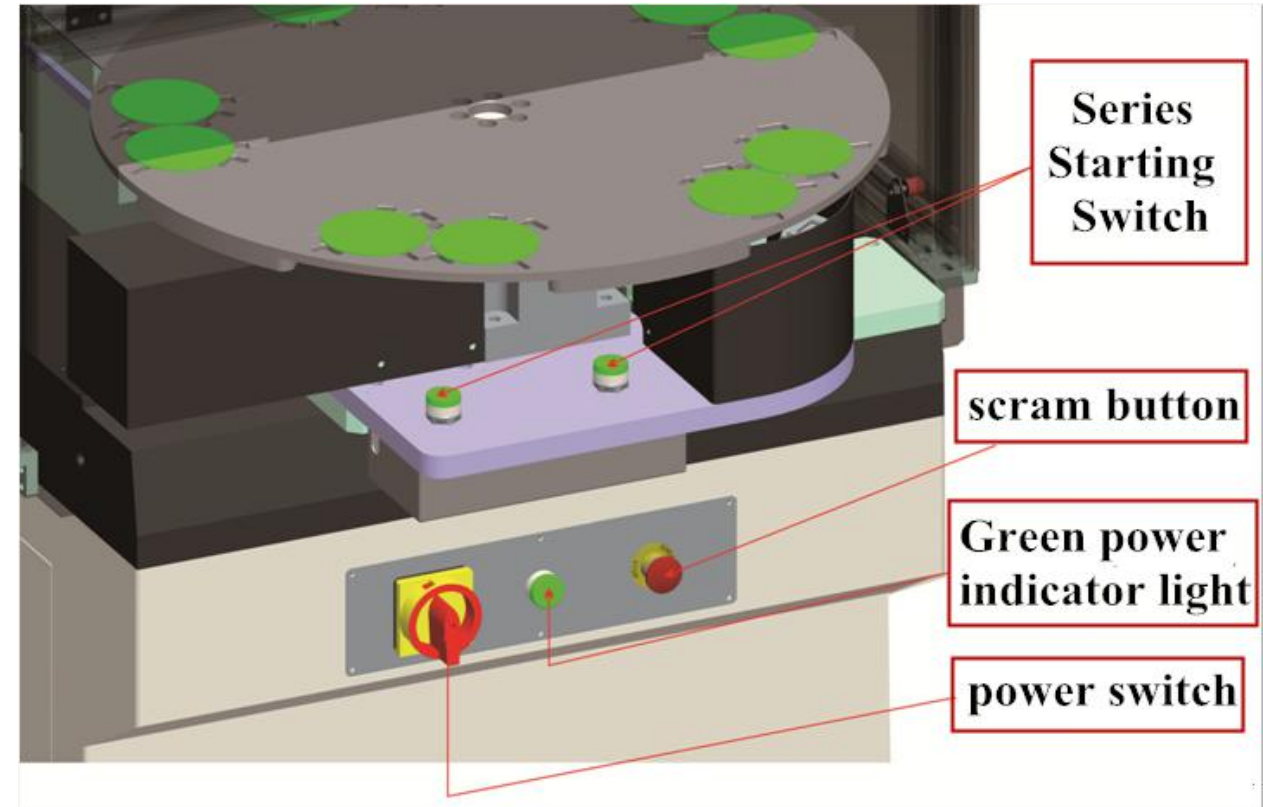
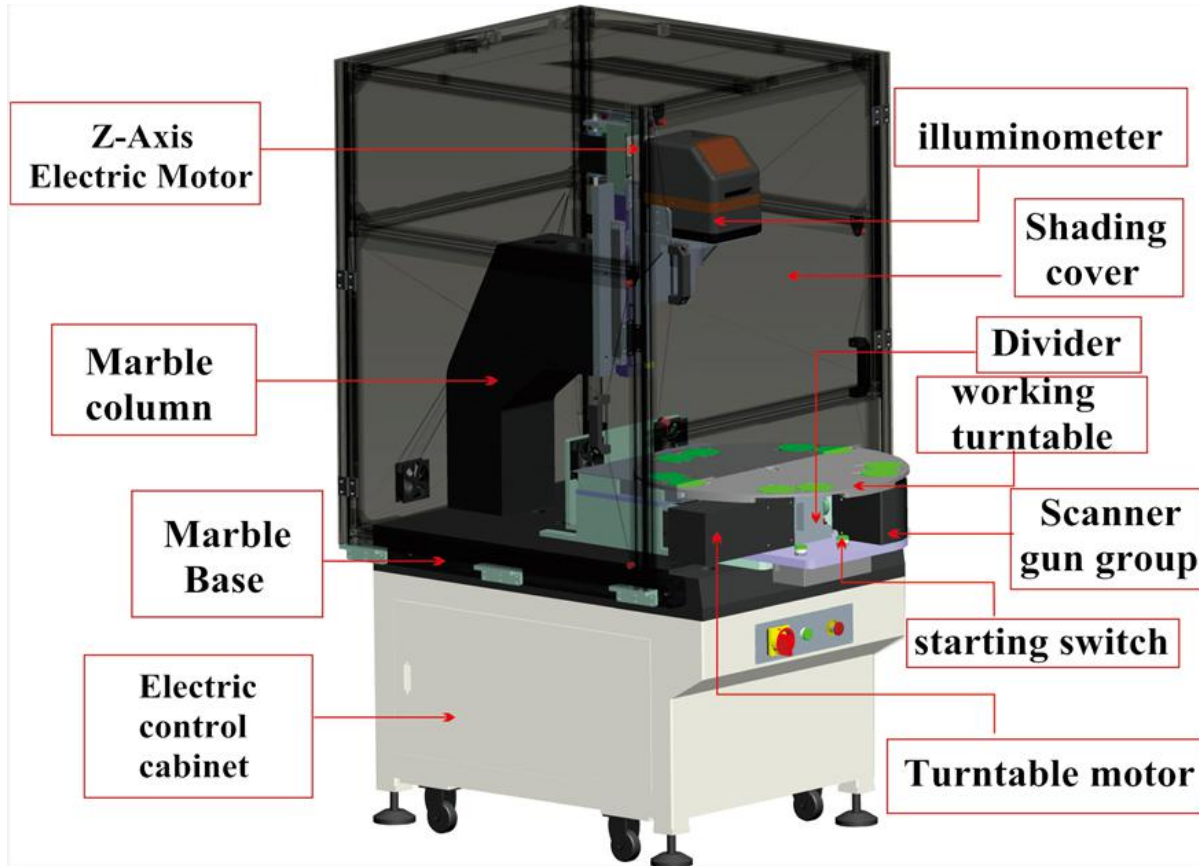


# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Intelligent audio brightness uniformity tester

Operation panel and peripheral buttons introduction

### QA-4030-TZ Structure





# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## GLUE DISPENSING MACHINE



JT-D3310



JT D3441



JT-D4410



JT-D4010



JT-D3310



JT D3441



JT-D4410



JT-D5410



JT-D3461-2Y



JT-D3310



accessories:Plastic buckets,Control box...



B款



G款



A款

2

## Glue Dispensing Machine

High-tech enterprises, dedicated to provide good quality & **one-station** service





东莞市嘉腾仪器仪表有限公司

Jaten Technology Co., Limited

Auto-Glue Dispensing Machine

JT series



Glue Dispensing Machine

<http://www.dgjateng.net>

Model		JT-D3210	JT-D3310	JT-D3410	JT-D3510
Working range(mm)	X-axis	200mm	300mm	400mm	500mm
	Y-axis	200mm	300mm	400mm	500mm
	Z-axis	80mm	80mm	120mm	100mm
Adhesive&Glue Heating Temperature Range		0-350°C			
Max Load(kg)	Y-axis	10kg			
	Z-axis	5kg			
Moving Speed(mm/sec)		X Y Z-Axis 0.1-800mm/sec			
Resolution(mm/Axis)		0.01mm/axis			
Repetitive Positioning Accuracy		+/-0.01mm/axis			
Programme Display		LCD Box			
Motor System		Servo Micro-step Motor			
Driving Method		Conveyor&Synchronous driving belt			
Direction&Axis		Three Axis: X Y Z			
Programme Way		Hand knob or computer			
I/O Signal Port		8I/O			
External Interface		USB			
Power		AC220V 50/60HZ(OPTIONAL)			
Working Condition	Temperature	10-40°C			
	Humidity	20-90%			
Dimension(mm)		430*360*550mm	550*460*560mm	635*575*600mm	850*560*660mm
Weight(kg)		40KG	55KG	80KG	60KG

High-tech enterprises, dedicated to provide good quality & **one-station** service



东莞市嘉腾仪器仪表有限公司

Jaten Technology Co., Limited

Auto-Glue Dispensing Machine

2 Y axis



Glue Dispensing Machine

Model		JT-D3400	JT-D3441	JT-D3641
Working range(mm)	X-axis	400mm	400mm	600mm
	Y1-axis	400mm	400mm	400mm
	Y2-axis	400mm	400mm	400mm
	Z-axis	100mm	120mm	120mm
Adhesive&Glue Heating Temperature Range		0-360°C		
Max Load(kg)	Y-axis	10kg		
	Z-axis	5kg		
Moving Speed(mm/sec)		X Y Z-Axis 0.1-800mm/second		
Resolution(mm/Axis)		0.01mm/axis		
Repetitive Positioning Accuracy		+/- 0.02mm/axis		
Programme Display		Hand-held box or LCD Box (optional)		
Motor System		Servo Micro-step Motor		
Interpolation Function		3 axis(3D stereoscopic space for any route)		
Driving Method		Conveyor&Synchrongous driving belt		
Direction&Axis		Three Axis: X Y Z		
Programme Way		Hand knob or computer(optional)		
I/O Signal Port		8 Intuts/8 Outputs		
External Interface		USB		
Power		AC220V 50/60HZ(OPTIONAL)		
Working Condition	Temperature	10-40°C		
	Humidity	20-90% no condensation		
Dimension(mm)		635*575*600mm	800*650*600mm	800*650*600mm
Weight(kg)		60KG	85kg	100kg





东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

Auto-Glue Dispensing Machine

4 Y  
axis



Glue Dispensing Machine

High-tech enterprises, dedicated to provide good quality & **one-station** service

Model		JT-D4400	JT-D4410
Working range(mm)	X-axis	400mm	400mm
	Y1/Y2/Y3/Y4-axis	400mm	400mm
	Z-axis	100mm	120mm
Adhesive&Glue Heating Temperature Range		0-360°C	
Max Load(kg)	Y-axis	10kg	
	Z-axis	5kg	
Moving Speed(mm/sec)		X Y Z-Axis 0.1-800mm/second	
Resolution(mm/Axis)		0.01mm/axis	
Repetitive Positioning Accuracy		+/-0.01mm/axis	
Programme Display		Hand-held box or LCD Box (optional)	
Motor System		Servo Micro-step Motor	
Interpolation Function		3 axis(3D stereoscopic space for any route)	
Driving Method		Conveyor&Synchronous driving belt	
Direction&Axis		Three Axis: X Y Z	
Programme Way		Hand knob or computer(optional)	
I/O Signal Port		8Intuts/8 Outputs	
External Interface		USB	
Power		AC220V 50/60HZ(OPTIONAL)	
Working Condition	Temperature	10-40°C	
	Humidity	20-90% no condensation	
Dimension(mm)		635*575*600mm	635*575*600mm
Weight(kg)		60KG	100kg



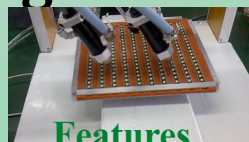


# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Glue Dispensing machine Usage&Feature

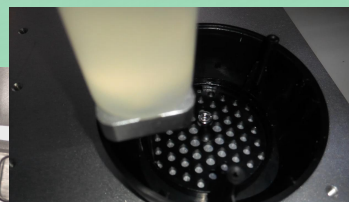
### Applied in:

1. Semiconductor sealing,
2. PCB electronic components fixing and protecting,
3. LCD glass board sealing&bonding,
4. Mobile phone board coating or button dispensing,
5. Electronic digital product dispensing fixed
6. Speaker dispensing and boning
7. Quantitative gas, liquid-filled coating
8. Battery box dispensing and sealing,
9. Auto parts coating,
10. Hardware parts coating,
11. Chip binding&bonding.



### Features

1. High-strength equipment body, the machine body using CNC machining to ensure the verticality of the X, Y and Z-axis and improve the processing accuracy, easiest installation and operation;
2. Completely without the need for an external computer can stand-alone operation. Not only easy to install, operating settings are simple. User-friendly teaching box allows you to easily complete the program settings;
3. With the graphical button design of the teaching box, allowing you to easily set the fingertips to complete any dispensing path settings. But also easy to complete a variety of path matrix copy, offset changes, calibration points set and the program transfer between the super-powerful functions.



### Advantage:

1. Can replace artificial specific dispensing operations, to achieve mechanized production.
2. Dispensing program files can be uploaded / downloaded via U disk to facilitate data management and preservation
- 3. Simple and convenient operation, high speed and accuracy**
4. Machine with a needle control buttons, no external guide, debugging more convenient than similar products
5. Machine with a needle control buttons, no need external guide, debugging more convenient than similar products
6. Dispensing can free to set before&afterdelay time, to eliminate the glue job appears in the "big head" and wiredrawing phenomenon.
7. Equipped with SMC dual-rod slide cylinder, keep the machine is quick and stable during operation, eliminating mechanical motion error.

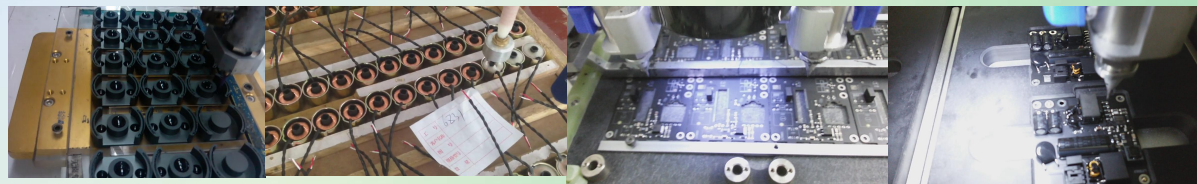
### Provide After-sale&technical information

1. User's Guide&manual
2. Structure of the overall map



### Quality Assurance System

1. In strict accordance with ISO 9001: 2008 quality system for the entire quality control.
2. We will conduct a rigorous evaluation process to all outsourcing manufacturers.
3. Purchased parts manufacturers are international or domestic brand-name products.
4. Outsourcing part of a person responsible for tracking the entire quality, identify problems in a timely manner to ensure that the quality of the various parts of the product pass rate of 100%, high quality and reliability; unqualified products can not enter.
5. The implementation standards of the Instrument design and manufacture: GB / T24762-2009







东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

A style --online Auto-Glue Dispensing Machine



## Glue Dispensing Machine

- machine processing and production
- electronic products' production
- precision instrument manufacturing
- plastic processing production
- digital products' production
- military, aviation and all other sophisticated testing&inspection





东莞市嘉腾仪器仪表有限公司

Jaten Technology Co., Limited

B style --online Auto-Glue Dispensing Machine

Vision Glue Dispensing Machine



运用于:PBC板,手机玻璃,硅胶按键,LED灯,耳机,手机外壳等各领域



- machine processing and production
- electronic products' production
- precision instrument manufacturing
- plastic processing production
- digital products' production
- military, aviation and all other sophisticated testing&inspection



B款





东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

C style --online Auto-Glue Dispensing Machine

C款



Vision Glue Dispensing Machine

- machine processing and production
- electronic products' production
- precision instrument manufacturing
- plastic processing production
- digital products' production
- military, aviation and all other sophisticated testing&inspection





东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

## online vision glue dispensing machine Usage&Feature

- With obviously Cost-effective advantages, reliable and durable, streamlined design
- Suit for multi-standard circuit boards, substrates
- XYZ three-axis precision rolling bead wire bar , servo motor, simple and friendly operating software, the system is stable and reliable
- Suitable for chip packaging, circuit board assembly, medical supplies and other products' dispensing crafts
  
- Non-touch jet valve HP-810, to achieve a smaller dispensing diameter, improve dispense consistency, reduce material waste and improve productivity and yield.
- UFD control software is easy to operate& program.
- Non-touch jet can eliminate Z-axis movement time, jet speed is 270 points / s, it is 3~8 times than the traditional dispensing.
- Integrated temperature control technology, glue amount automatically fill in, reducing the time which the works exchange.
- Highly flexible Non-touch, avoids needles collision to workpieces, minimum dispensing amounts, suit for more compact space.
- The most advanced nano abrasion-proof materials' accessories, Its life is more 20 times than the ordinary materials





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### Machine Vision system

Equipment using visual inspection system, the system consists of light sources, image sensors, visual controllers, industrial computers, intelligent control rack and other components. Jaten are developing into one of the high-performance integrated machinery and equipment in detection, measurement, resolution, positioning area. The system are group by industrial control computer, special visual sensor and single-chip microcomputer to complete the functions of real-time detection, tracking alarm, statistics and information processing, which can greatly improve the passing rate of finished products.

设备采用视觉检测系统，系统由光源、图像传感器、视觉控制器、工控计算机、智能控制板等组成。开发成嘉腾集检测、测量、分辨、定位于一体的高性能综合的机器设备。系统由工控机、专用视觉传感器及单片微型计算机组成，完成实时检测、跟踪报警、统计数量及信息处理等功能，能大幅度提高成品的合格率。

### working principle 工作原理

In a stable, spot-free, non-flickering light field, the image sensor captures each chip passing through the inspection port, and the vision controller processes and detects the image according to the set parameters and algorithms to output a logic result. If it is wrong, intelligent control panel sends an alarm signal or stop signal, excluding products that do not meet the testing requirements.

在稳定、无光斑、不引起闪烁的光场条件下，图像传感器采集通过检测口的每只芯片，由视觉控制器根据所设置的参数和算法进行图像处理 and 检测，输出逻辑结果。如果为错误，智能控制板发出报警信号或停机信号，剔除不符合检测要求的产品。



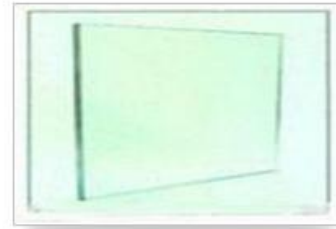
SIM卡测量系统



CCD平整度检测仪



平整度检测系统



玻璃制品质量检测系统



手机键盘质量检测系统



电子元件表面缺陷在线检测



五金工件生产设备视觉检测系统



# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Machine Vision system

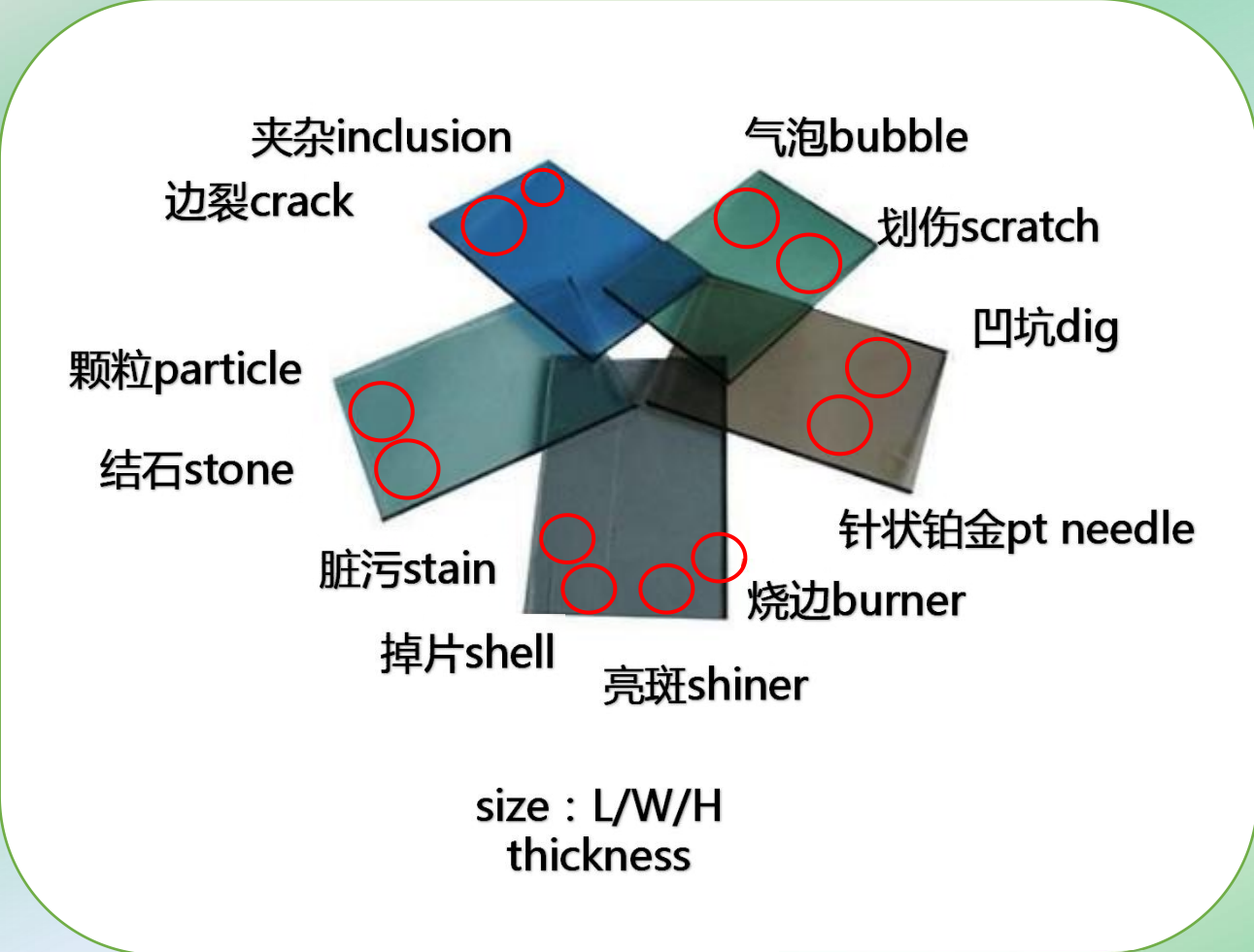
### Detection object

**Hardware artifacts:** used to track, identify all kinds of metal parts in the production process position, pitch, margins and engraving font errors, missing, wrong direction and other phenomena of failure;

**Glass products:** bubbles, scars, blemishes, sand, stones, light distortion, inclusions and other detection;

**Resistance, capacitance, IC, etc.:** Printing defects, pin pitch, number of solder joints, air bubbles, small impurities, cracks, leaking, repeated material or incorrect positioning.

**Flatness detection:** Specifically for testing a variety of IC chip, a variety of electronic connector pins and its smoothness (horizontal straightness, coplanarity), clearance, pin width. The system is simple set, you can automatically identify, detect, without personnel.



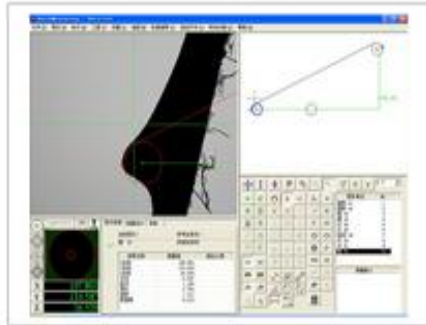




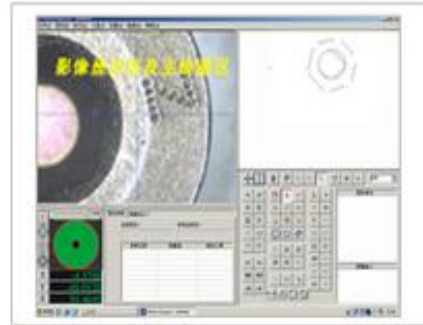
东莞市嘉腾仪器仪表有限公司

Jaten Technology Co., Limited

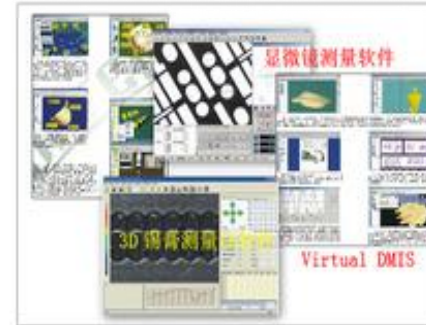
# Measuring Machine Software



Quick Measuring 几何测量软件



Jaten McIns几何测量软件



提供多种测量软件

## Applicable industries (适用行业):

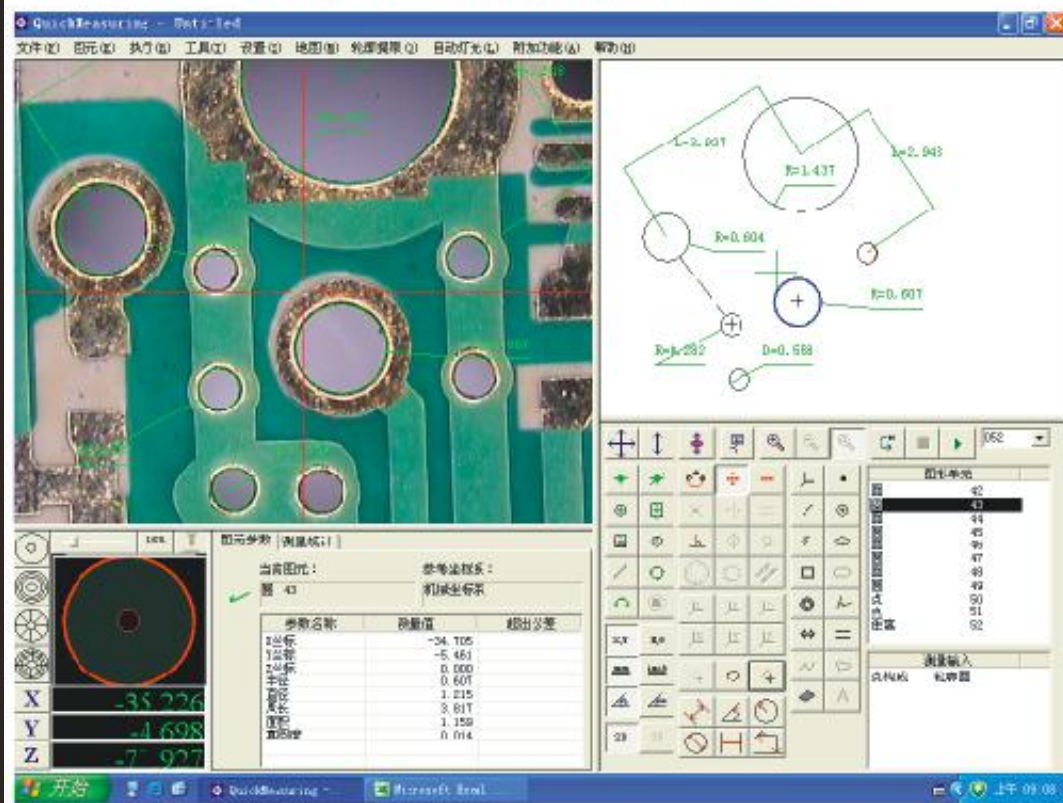
**Semiconductor, electronics, wafer packaging, LCD, PCB, LED, connectors, conductive frame, electronic components, precision machining, mold, stamping parts, springs, knives, plastics, bearings, steam locomotive parts industry, precision terminals and other industries' precision measurement project.. It's also the indispensable one of measurement testing equipments which used in the measuring room, laboratory and production workshop.**

(半导体、电子、晶圆封装、LCD、PCB、LED、连接器、导电架、电子零部件、精密加工、模具、冲压件、弹簧、刀具、塑料、轴承、汽机车零件业、端子等行业的精密测量工程。也是计量室、实验室以及生产车间不可缺少的计量检测设备之一。)



Quick Measuring具备2D和3D测量功能,若用户要2D测量时,只须点击“工具→2D/3D测量→2D”,会立刻切换到2D测量界面;若用户要3D测量时,只须点击“工具→2D/3D测量→3D”,会立刻切换到3D测量界面.在使用过程中,可以2D、3D界面相互切换。

· Quick Measuring全自动影像测量软件友好严谨界面 2D界面



· Quick Measuring全自动影像测量软件友好严谨界面 3D界面





# 1

## 控制影像测量仪

控制X、Y、Z运动系统

控制伺服电机

控制照明系统

控制程控光源  
(表面光\底光\同轴光)

可调节亮度,具有自动全光源控制、环光源控制、区段光源控制、区块光源控制功能。

控制影像系统

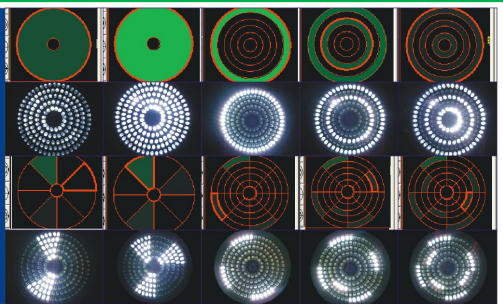
控制物镜

物镜可自动变焦,自动切换倍率

控制摄像机

可拍摄1:1或放大或缩小的清晰影像

控制窗口与灯光部分对照图片



灯光亮度控制滑块

全光源控制



环光源控制



区段光源控制



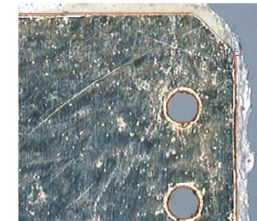
区块光源控制



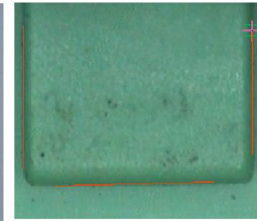
控制操作窗口



>>>自动捕捉功能

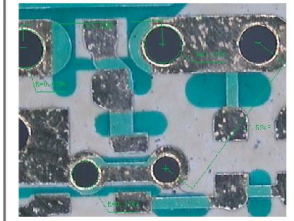


识别边界轮廓

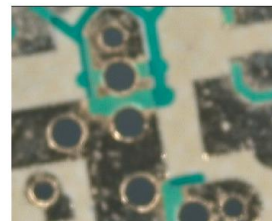


识别表面轮廓

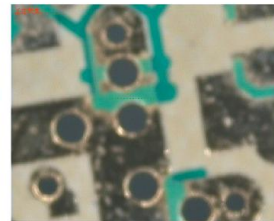
>>>直接在影像上标注



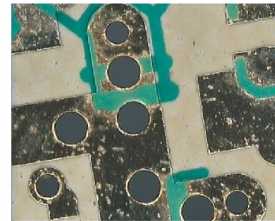
>>>自动对焦功能



自动对焦前



自动对焦中



自动对焦后

操作简程: 1、点击“自动对焦”功能键。2、在影像窗口作一选框,按回车。  
3、自动驱动影像系统,自动完成对焦。

注:本次操作过程耗时7秒。



# 2

## 测量

测量产品的轮廓尺寸(包括产品的边界轮廓与表面轮廓)

测量形位公差 ( 直线度、平面度、圆度、线轮廓度、面轮廓度、平行度、垂直度、倾斜度、对称度、同轴度、位置度等 )

工件对比: 可输入Autocad图与工件影像对比, 也可用标准件对比, 进行测量

订立产品标准, 检测产品是良品或不良品, 并将测量数据保存, 可生成统计报表。可以脱机自动检测。

SPC功能, 通过抽样进行检测, 并出SPC报告, 报告将反映出样品的品质情况。

编程自动检测, 抽一个样品进行测量, 软件会自动把测量过程记录下来, 测量下一个工件时, 自动运行保存下来的程式, 将实现自动化测量。

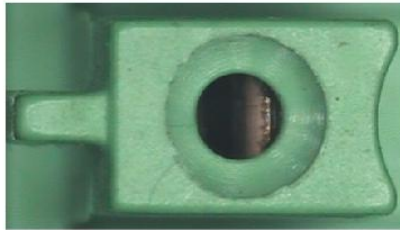
### >>>编程自动检测

- 放入一个工件, 并输出工件轮廓, 软件会把测量过程记录下来
- 放入一个新的工件
- 弹出“自动测量参数设置”窗口, 设置自动测量参数
- 运行用户已经保存好的程式, 开始自动测量。
- 程式运行结束, 对新的工件检测结束

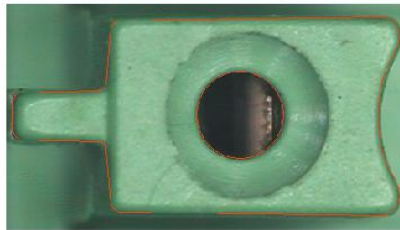
### >>>导入功能这一: 将CAD图纸导入与工件影像对比



CAD原图



工件成品影像



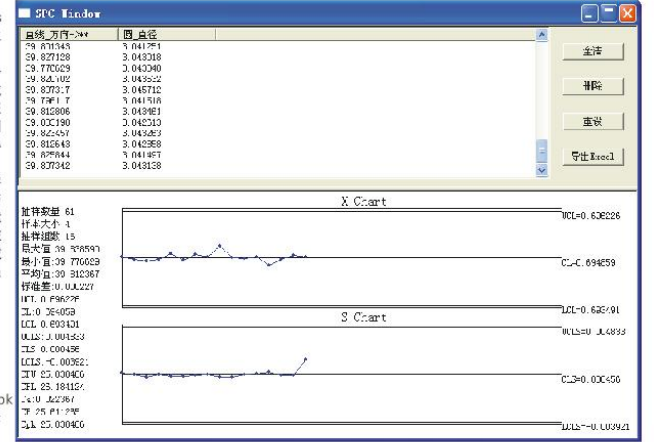
导入CAD图与工件成品影像对比

操作简程: 1、点击“DXF”导入。2、点击“移动对比图形”。  
3、拖动鼠标, 使图形与影像吻合。

注: 本次操作过程耗时30秒。

### >>>SPC功能

SPC(Statistical Process Control)统计制程管制, 是企业提高品质管理水准的有效方法。Quick Measuring软件具备SPC统计分析功能。方便品保或其他部门直接获得截取数据及报表。本软件能自动识别指定的测量数据, 并计算其最大值、最小值、平均值、标准差、Ca、Cp、Cpk的运算。SPC能为您科学地区分生产过程中的正常变化与异常变化, 及时地发现异常状况, 以便采取措施消除异常, 恢复制程的稳定, 达到降低品质成本, 提高产品品质的目的, 它强调全部过程的预防与管制。在SPC统计分析中, Ca, Cp, Cpk的值综合反映了产品生产制程的稳定与否。其中, Ca代表制程的准确度, 其值越大表示准确度越高。Cp代表制程的精密度, 其值越大表示产品品质越好。Cpk代表制程能力指数, 其值越大表示生产条件越好。



简化过程: 1.全部成品 → 2.抽样品 → 3.定义检测标准与公差 → 4.检测样品是否合格并出SPC报告



3

绘图

具有CAD绘图功能，如绘点、线段、圆、圆弧、矩形、曲线等

具有CAD编辑功能，如图形的移动、删除、复制、阵列等

具有CAD标注功能，如标注距离、角度、直径、半径等

可设定机械坐标与用户坐标，可设多个坐标系

自动捕捉：可对图像进行点的捕捉

自动捕捉：可自动识别工件的轮廓（包括产品的边界轮廓与表面轮廓）

可输出以下格式：dxf(AutoCAD)、gerber、xls(Excel)、doc(Word)、txt。其中输出dxf(AutoCAD)，是将图形与标注输出；输出xls(Excel)、doc(Word)、txt。是将测量数据以报表形式输出

可输入以下格式：dxf(AutoCAD)、gerber。其中输入dxf(AutoCAD)，是将AutoCAD图形输入，再进行测量。

地图拍照、地图导航功能

钢网逆向工程

弹出报告设置窗口

报告设置

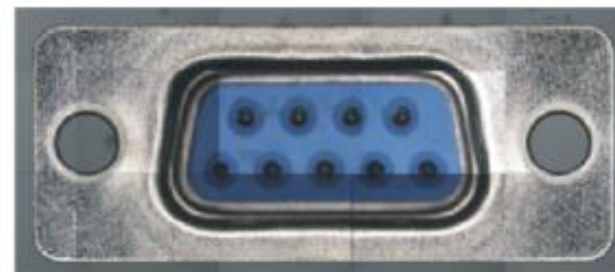
选取摘要及报告所需要的内容。

平面	文本	圆锥	球
距离	间距	开放云线	封闭云线
椭圆	矩形	槽形	0形环
坐标系	点	直线	圆
			角度
			圆弧

- 中点坐标X (笛卡尔坐标系)
- 中点坐标Y (笛卡尔坐标系)
- 中点坐标R (极坐标系)
- 中点坐标O (极坐标系)
- 中点坐标Z (笛卡尔坐标系)
- 半径
- 直径
- 周长
- 面积
- 真圆度
- 位置度 (RFS)
- 位置度 (LMC)

在EXCEL中导出图形

>>>地图拍照



拍照工件的清晰影像



拍照几个工件的清晰影像对比

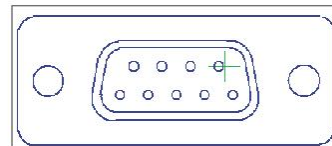
输出的EXCEL工件测量报告

	A	B	C	D	E	F	G	H
12	测量单元	测量值	标准值	上限	下限	标准误差	超出公差	
33	圆1							
34	半径	0.524	0.524	0	0	0	0	
35	圆2							
36	半径	0.524	0.524	0	0	0	0	
37	圆3							

>>>输出测量报告



拍照工件的清晰影像



软件绘成的CAD图

- 说明：1、Quick Measuring软件绘成的本个CAD图，共35个图元，其中，圆11个，圆弧12个，直线12条。本次报告以输出“圆的半径”、“圆弧半径”、“直线长度”为例说明。
- 2、用户可在弹出的报告设备窗口，选择需要的报告选项。
- 3、输出的报告，有工件CAD图，也有列表。CAD图中标明XX图元，与列表中的XX图元数据对应。



地图导航



# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited



## Packing

1pc with poly bag.wooden case and canton box are available. make sure the machine safe.  
Shipping :2 working days after order confirmed



## Service

1, One years warranty for the mother board of the machine.  
2, Life-long maintenance service for the product.We are capable to manufacture dispensing equipment and liquid dispenser according to customer's drawings or samples. We are insisting on providing top quality products with competitive price. Please feel free to contact us. Welcome your inquiry.

- 1.What is your company type, trade company or manufacturer?  
We are the manufacturer of measuring machine/projector/glue dispensing machine/microscope/testing machine.....
- 2.When does your company establish?  
Our company has established since2002, so we have much work experience for producing measuring machine(CNC/Automatic/with laser&CCD/multi-vision system/Coordinate....)
- 3.What is your payment terms?  
Normally our payment terms is T/T 100% in advance, if need buy bulk purchase or become our distributors, we can discuss the details each other.
- 4.What is your trade terms?  
Normally, our trade terms is EXW, FOB/ C&F/CIF and others as your request.
- 5.What is your minimum order quantity?  
We do not have minimum order quantity limited, 1 unit is OK.
- 6.What is your delivery time?  
It is depend on your order quantity& wheather we have in stock, the delivery time is about 3-45 days.
- 7.What is your transport way, by air or by sea?  
Normally, we will use the sea for delivery due to our goods is large which caculated the weight or volume weight, For the testing parts is portable and small can by express/air,Specific analysis of the specific circumstances





# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

## Business philosophy:

Honest, pragmatic and innovative

## More Stronger:

To go in the forefront of the industry, and strive to become the future standard-setter.

品  
高  
为  
嘉

High  
quality  
业  
精  
而  
腾

## More Better:

We strictly require ourselves as world-class level to product more better exterior design & create product measurement accuracy.

More  
professional

## More Bigger:

In five years to achieve more large-scale industry, Sales quantities will reach 45% of the domestic market.

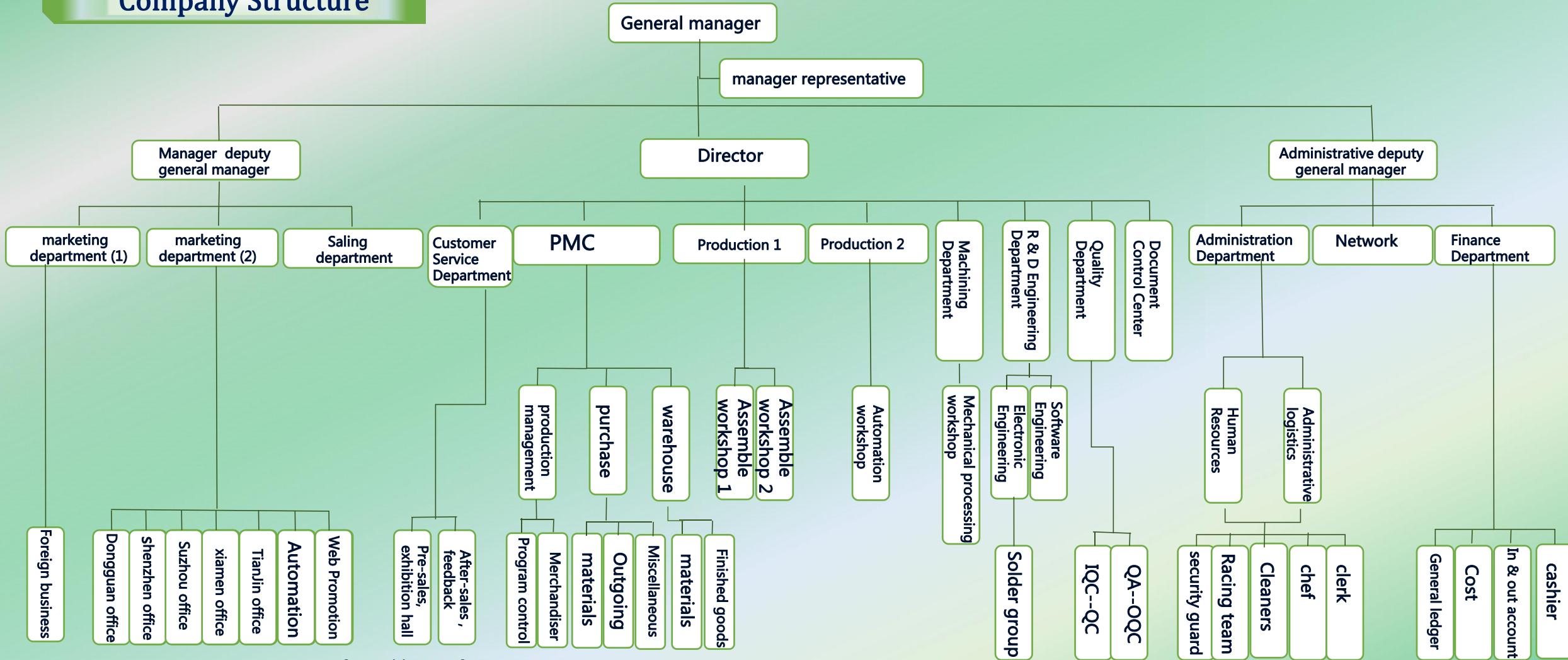




# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited

### Company Structure







# 东莞市嘉腾仪器仪表有限公司 Jaten Technology Co., Limited

Caring activities



study & graduation



General manager



Visiting



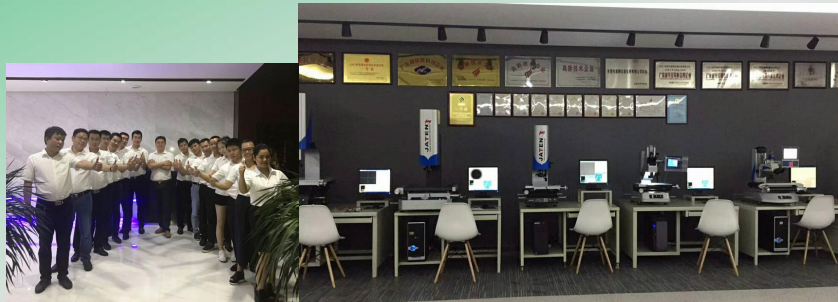
彭雄良  
Peng xiong liang





# 东莞市嘉腾仪器仪表有限公司

## Jaten Technology Co., Limited



JatenTeam







东莞市嘉腾仪器仪表有限公司  
Jaten Technology Co., Limited

Future view

# Jaten Development

The most competitive Jaten:

- Excellent strong research and development team
- 优秀强大的研发团队
- Tight and orderly organizational structure
- 严密有序的组织结构
- Effective system of personnel training
- 系统有效的人才训练
- meticulous after-sales service
- 细致到位的售后服务

The most happy Jaten:

- Give customers the greatest value
- Give shareholders the best feedback
- Give employees the best benefits



最幸福的嘉腾:

- 给予客户最大的价值
- 给予股东最佳的回馈
- 给予员工最佳的福利





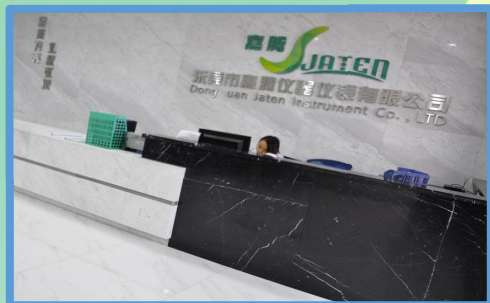
# Jaten Technology Co., Limited

<http://www.dgjateng.net>

**Call us:0769-23325800**

Thank  
you!

科  
技  
嘉  
騰



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HK office: Room No.611, Huaji center, No.36, ChuangYe Street, KwunTong, Kowloon, HongKong