

一专业电测设备制造商一

PTI-500X

Fully automatic first article tester







PTI-让测试更精确!



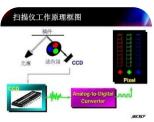


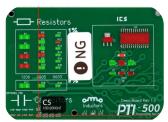
1.1 Product Introduction——PTI-500X

CMOScamera>>>

Quick scan of pictures, Automatically judge the resistance value,

Component character, component polarity









easy to use, comes with a tutorial
good compatibility, custom format



<<< LCRbridge

compatible Different brands of LCR bridges

Test capacitance, resistance, inductance, etc.

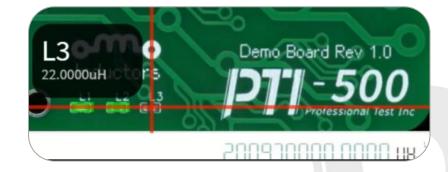




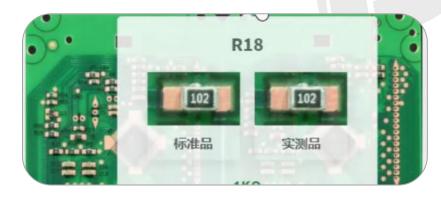


1.2 Product Introduction - Function Introduction

LCR Autotest



AOI visual inspection

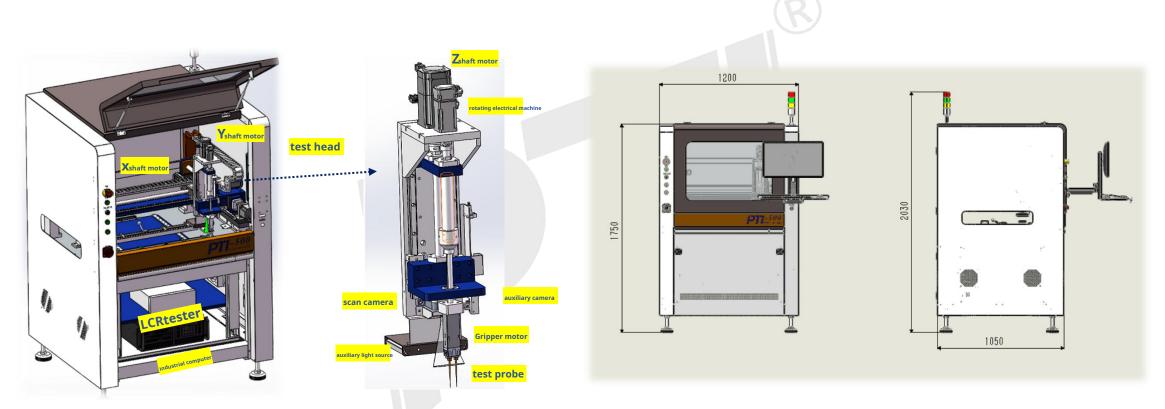








1.3 Product Introduction——Equipment Structure



Support online (offline) two ways





1.4 Product Introduction - Module Introduction

Light
study
check
Measure
MO

serial number	bad type	standard	bad
1	component error <mark>different resistance</mark>	4703	4701
2	encapsulation error 0805by mistake0603	1003	1003
3	precision error 1%by mistake5%	1002	103
4	wrong polarity element reverse	SIM	WISH
5	missing parts Not uploaded	TIONO 📉	
6	ICCharacter recognition wrong model	TM 1638 2131FA16-6997W	ROSTGASHON 2787CN



serial numbe	r components	standard	bad
1	inductance	150uH	200uH
2	capacitance	10NF	100NF





1.5 Product Introduction - Comparison of Equipment Advantages

project	Tradition	peers	PTI-500X
examination range	not limited	550*500mm	
component size	more than the0402	01005The above components do not need to change needles	
Check method	artificial	fully automatic	
Report recording method	artificial	automatic	
Quality traceability	1	have	
operators	2	0	
system security	Data is easily lost	User permission settings to avoid accidental deletion of data	
way of judging	Manual discrimination	software judgment	
test speed	average:3Sec/indivual	average:1 Sec/indivual	Average: 1 Sec/piece
automatic calibration	1	1	autocheck(coordinates,LCR)
multi-screen projection	1	screen display	mobile screen
Test pass rate	1	95%	98%
optical algorithm	1	Image comparison+OCR	AIsmart+OCR
programming	/	Need to coordinate,BOMmake extensive revisions	Intelligent Recognition, Compatible with all kinds of files, one-click import
The results show	manual report	component list	Component list+global display





2.1 Software Introduction - Operation Guide













Introduction to page layout

Compatible with differentBOM

New Construction Guidelines

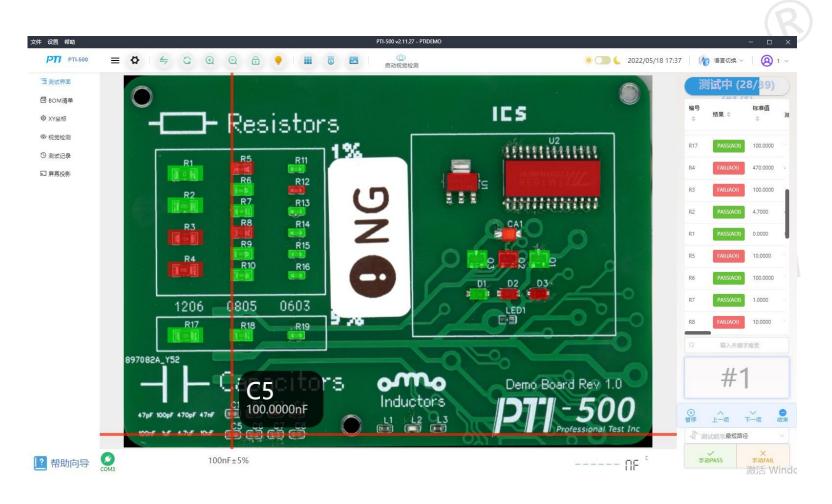
coordinate adjustment

multi-format report





2.2 Software Introduction - Results Visualization



LCR:

C4,C8,L1,L2Wrong piece

vision:

R4,Q2,D3,CA1Wrong piece D2, U2opposite polarity R5encapsulation0805misposted0603 R3,R8 1%Resistor mislabeled5%

Not only the results are prominently displayed in the list

In , the global picture is drawn more intuitively

result



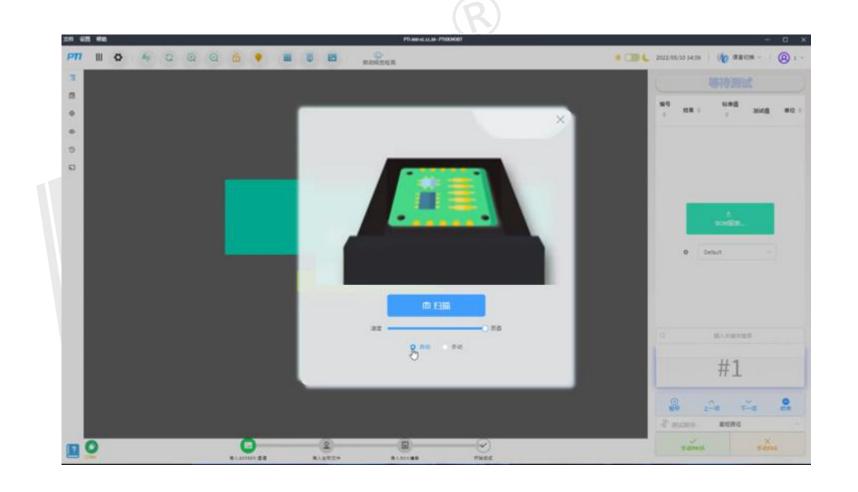


CCD scanning (automatic)

import coordinates file

Positioning components

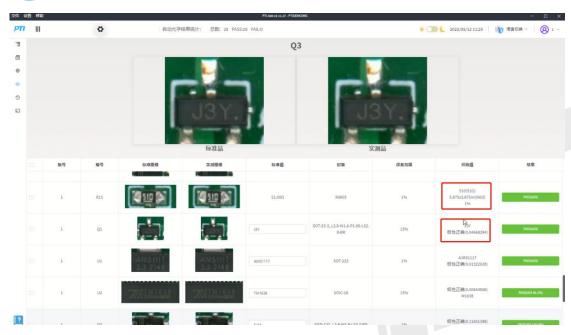
Import BOM, locate components specific location





(3)

4.1 DEMO test display-OK board

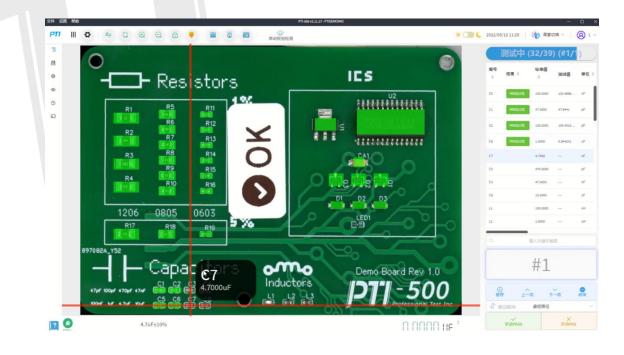


Measure capacitance, inductance and other optical detection through the bridge

Arrived components



Detect polarity, packaging, accuracy, wrong parts, missing parts





(3)

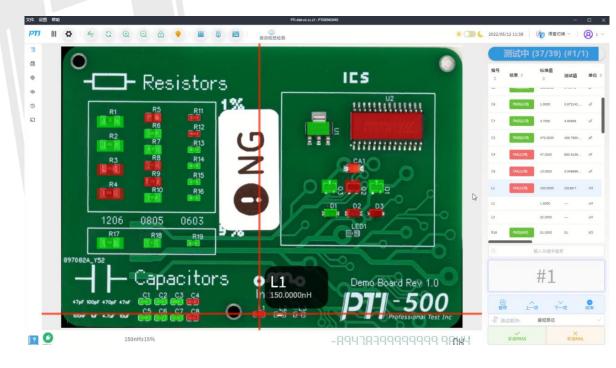
4.2 DEMO test display-NG board



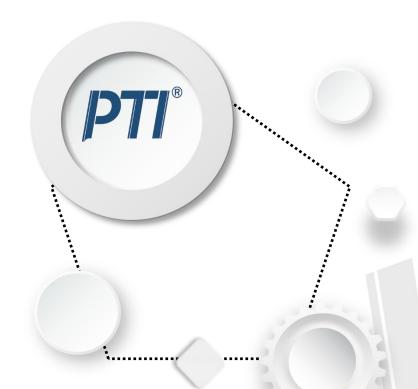
The test result fails, and the component displays the positioning coordinates $% \left(1\right) =\left(1\right) \left(1\right) \left($

Show red FAIL

Detect polarity, packaging, accuracy, wrong parts, missing parts







THANKS

Thanks for watching

Professional Electrical Measurement Equipment Manufacture



Address: 2nd Floor, Building A2, Songhu Zhigu, Liaobu Town, Dongguan City

ADD: 2nd floor, A2 Building, Songshan Lake Intelligent Valley, Liaobu Town, Dongguan City

TEL: +86-769 81197326 EMAIL: ptitech@szpti.com

WEB: www.szpti.com