

Nidec

All for dreams

- 特征 -

1. 高速検測 : 検測工時: 4.0秒/4面基板
- Tact time 4.0 sec. / 4 faced-substrate
2. L/UL一体化 (节省空间)
- Integrated L/UL
3. 综合定位精度 $\pm 3.5\mu\text{m}$
- Total alignment accuracy
4. AGV系统支持
- AGV system support

SREC[®] M6V SW

HDI substrate Open/Short Inspection System

面向HDI PCB高速分步&重复式O/S检测装置



Automatic Guided Vehicle

High-Speed Inspection

-Improve mechanical tact time 20% up

Extraordinary High Accuracy

+/-3.5um

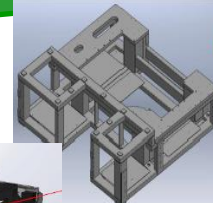
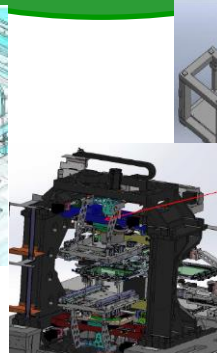
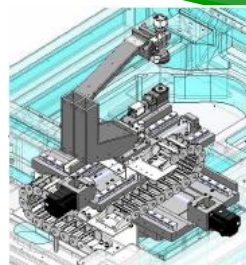
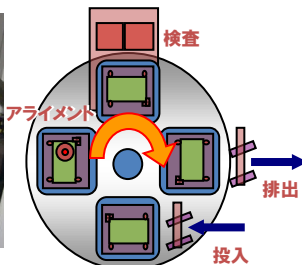
Mechanical tact time: 4.0 seconds/sheet

※under the condition of inspection time 0.5sec/face

Improve the rigidity of the structure to achieve 3.5um accuracy



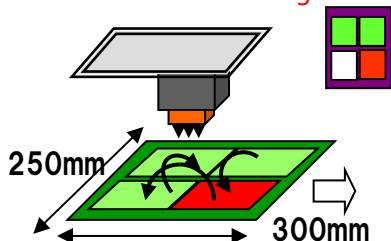
▲ Rotary table



Step & Repeat Efficient Inspection

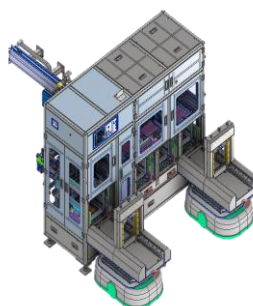
With step and repeat movement of the fixture in X and Y directions, efficient inspection can be achieved.

※Fixture cost decrease= Running cost decrease



AGV system support (Option)

-Upgradable to AGV type



Stacker type

AGV type

ニデックアドバンステクノロジー株式会社
NIDEC ADVANCE TECHNOLOGY CORPORATION
<https://www.nidec.com/jp/nidec-advancetechnology/>

*Nidec-Read Corporation to be renamed
Nidec Advance Technology Corporation
from April in 2023.

■Headquarters : Nidec PARK Bldg. C, 1-1 Higashinokuchi,
Morimoto-cho, Muko-shi, Kyoto, 617-0003,
Japan
TEL : 075-315-8558 FAX : 075-315-8011

■Domestic office : Kyoto / Nagoya / Tokyo

■Global office : Taiwan,China / Korea / China / Thai / Canada



More details...

Model	SREC® M6VSW-32K	
Board-size/Thickness TEST AREA	min W60×D50mm ~ max W300×D250mm / 0.3 ~ 2.0mm (Option: 2.0 ~ 4.0mm) min W50×D40mm ~ max W290×D240m	
Inspection mechanism	Step & Repeat handling with 4 Table (INDEX)	
Alignment / accuracy	Double-side CCD Alignment Total Alignment Accuracy $\pm 3.5\mu\text{m}$	
Work holder	Test coupon type, Tension type	
Test item	OPEN $1\Omega \sim 100\text{k}\Omega$ (DC1V ~ 250V)With R-5920 High speed tester LEAK $10\text{k}\Omega \sim 1000\text{M}\Omega$ (DC10V ~ 250V) / Option Test	
Maximum test points	D/D Scanner: 8192pins (U4096 + L4096p) Q/D Scanner: 16384pins (U8192 + L8192p)	Max 32768pins (upper16384 pins+ Lower16384Pins)
Fixture type	Dedicated Fixture (probe , TRL non contact, rubber)	
Fixture size	①M6 Standard size ②M6SW Special size (One Fixture max size W290×D200mm.There are various restriction) ③min Fixture size 40×40mm	
Fixture exchange	One-touch Detachable	
Throughput (Case Study)	4sec/4pcs (OPEN: $100\Omega/100\text{V}$ LEAK: $10\text{M}\Omega/250\text{V}$ conditions: 1,500points×3pcs S&R, 1pcs Fixture, no option test) < Comparison > STAR REC M6IISW *same PCB : 6.0sec/3pcs	
Stocker	SUPPLY, OPEN, LEAK, PASS, (Slip Sheet for PP transport type) / Elevator Stocker	
Dimensions/Weig ht	Dimension: (approx.) W2,560×D2,280×H1,720mm Weight: (approx.) 3,500kg	
Options for tester	4Wire test, WR μ Short test , Spark Detection (patent), Contamination Cancellor (patent), TRL non-contact test (patent), Embedded-LCR test,	
Options for mechatronics	NG piece Laser marking , L/UL with AGV support	

Dimension:

(Approx.)

W2,560×D2,280×H1,720mm

