

SG2020 IC Test Handler



SG2020 IC Test handler supports functional and Hipot test with dual-site or quad-site configuration. Supports leaded and leadless packages, including SOP, TSSOP, SSOP and QSOP.



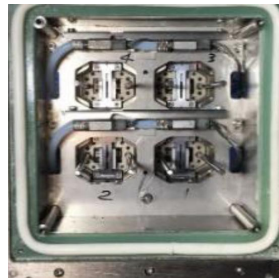
Motor-driven Tube feeder



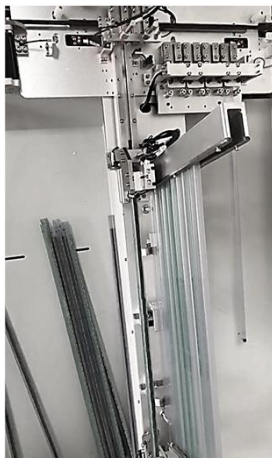
Easy access temperature chamber



Dual site configuration



Quad site configuration



Auto Tube Unloader



Hipot test site

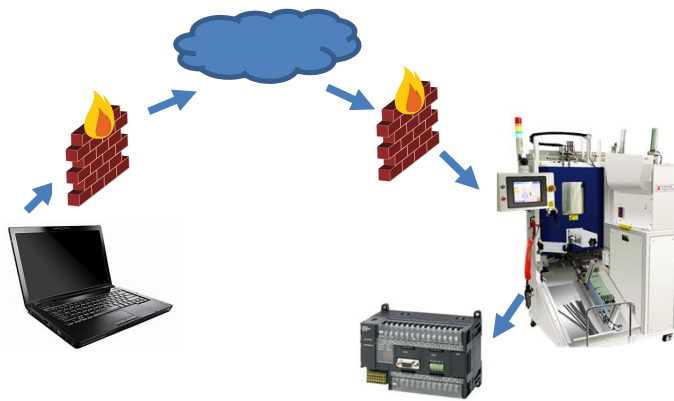


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SG2020 is equipped with network function via ethernet or WiFi connection

Ready for industry 4.0

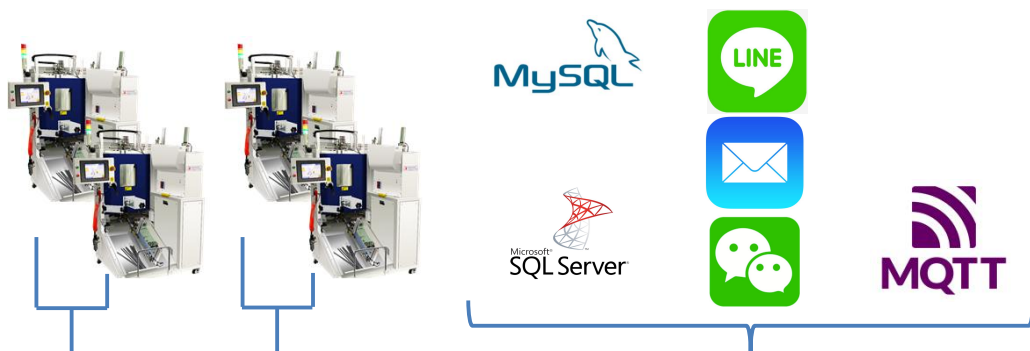
- Production data tracking
- Remote monitoring and assistance
- Supports MySql, SqlServer
- Supports MQTT
- Message/Email alerts
- Supports barcode



Remote system support



Push warning to smart phone



System configuration

- Dual or Quad test sites with Plunger to Board
- Ambient to Hot temperature
- Tube in and Tube out
- Touch screen HMI



Plunger to Board

Device Handling

- Two Tracks, One or Two sites per track
- Auto tube loader
- Motor driven feeder
- Auto tube unloader
 - 1 auto for pass bin
 - 4 manual reject bins
- Ceramic lead backers (PTB)
- Device contactor
 - Kelvin
 - Non-Kelvin
 - Third party



Motor-driven feeder



Tube auto unloader



SG2020 System Specifications

Applications

Package Types	SOIC, SSOP, TSSOP, QSOP
Package Sizes	SO 118mil to 300mil
Hipot test	Yes (optional)
Test Sites	Two or Four

Environment

Temperature	Ambient to Hot +155degC
Accuracy	+/-2degC at test sites +/-2degC at soak tracks
Heating	Chamber and individual site control. Safety cut off at 200degC
Soak time	0-900s with 1s resolution
Soak capacity	498mm per track

User Interface

Display	Touch screen GUI (EN/CN)
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Network and Data

Connection	LAN WiFi (optional) LTE (optional)
Database	MySQL, SqlServer
IIOT	MQTT Server supported: Azure, AWS, Alibaba Cloud

Input/Output

Input	Tube Auto Loader
Output	Tube Auto Unloader
Throughput	7000 UPH (2 sites) 10000 UPH (4 sites)
Index Time	750ms per site

Tester Interface

Interface	<ul style="list-style-type: none">TTLRS-232 serial (optional)IEEE-488 GPIB (optional)
Test Modes	<ul style="list-style-type: none">Parallel/SynchronousAsynchronousAlternating/PingPong

Contactors

Socket Type	<ul style="list-style-type: none">KelvinNon-KelvinHipot
Site pitch	Horizontal 60mm Vertical 36mm

Facility requirement

Electrical	220VAC Single phase 50/60Hz
Air supply	CDA 0.5MPa

System Dimension

Weight	300Kg
Height	1750mm
Footprint	1100 x 1000mm