



**S E TECH**

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# **SEMICONDUCTOR EQUIPMENT TECHNOLOGY**

**Woolim Lions Valley V B-103 144-3 SangdaeWon-Dong Joongwon-Gu  
SeongNam-City, Kyunggi-Do, Korea  
TEL : 031-750-0182~3 FAX : 031-750-0184**



2018. 1. 1



## **CEO Management Philosophy**

**Based on trust, Technology and the good staffs with high motivation,  
We will be the leading company in state of the art automated semiconductor  
Equipment development business.**

- 1. Customer First**
- 2. Human First**
- 3. Technology First**

**President & CEO He Min Song**





# Company Information

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- **Company Name : S E TECH CO., LTD.**
- **C.E.O : He Min Song**
- **Institution : 2001. 10. 25**
- **Category of Business : Semiconductor, LCD, Automation System  
Development & Manufacture**
- **Address : WooLim Lions Valley V B-103 144-3 SangdaeWon-Dong Joongwon-Gu  
SeongNam-City, Kyunggi-Do,Korea**
- **Patent Application : Utility Model : 1 , Patent Application : 2  
(Application Number :10-2009-0054204)**



# Company History

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- **1995. 07 : The Institution of Company (S E Technics)**
- **2001. 10 : The Incorporation of Company (S E Tech Co.,Ltd.)**
- **2001. 10 : Registered as Subcontractor for Hyundai LCD**
- **2001. 10 : Registered as Subcontractor for Wooseok S.Tech**
- **2001. 10 : Supplied LCD equipment to Changchun Lanser Displaytech Inc. China.**
- **2002. 03 : Registered as Subcontractor for Samsung Electro-Mechanics**
- **2002. 05 : Contracts with M&M, Japan (Seiko Epson Contractor)**
- **2003. 05 : Technical cooperation contract with CRESTO, Japan**



# Company History

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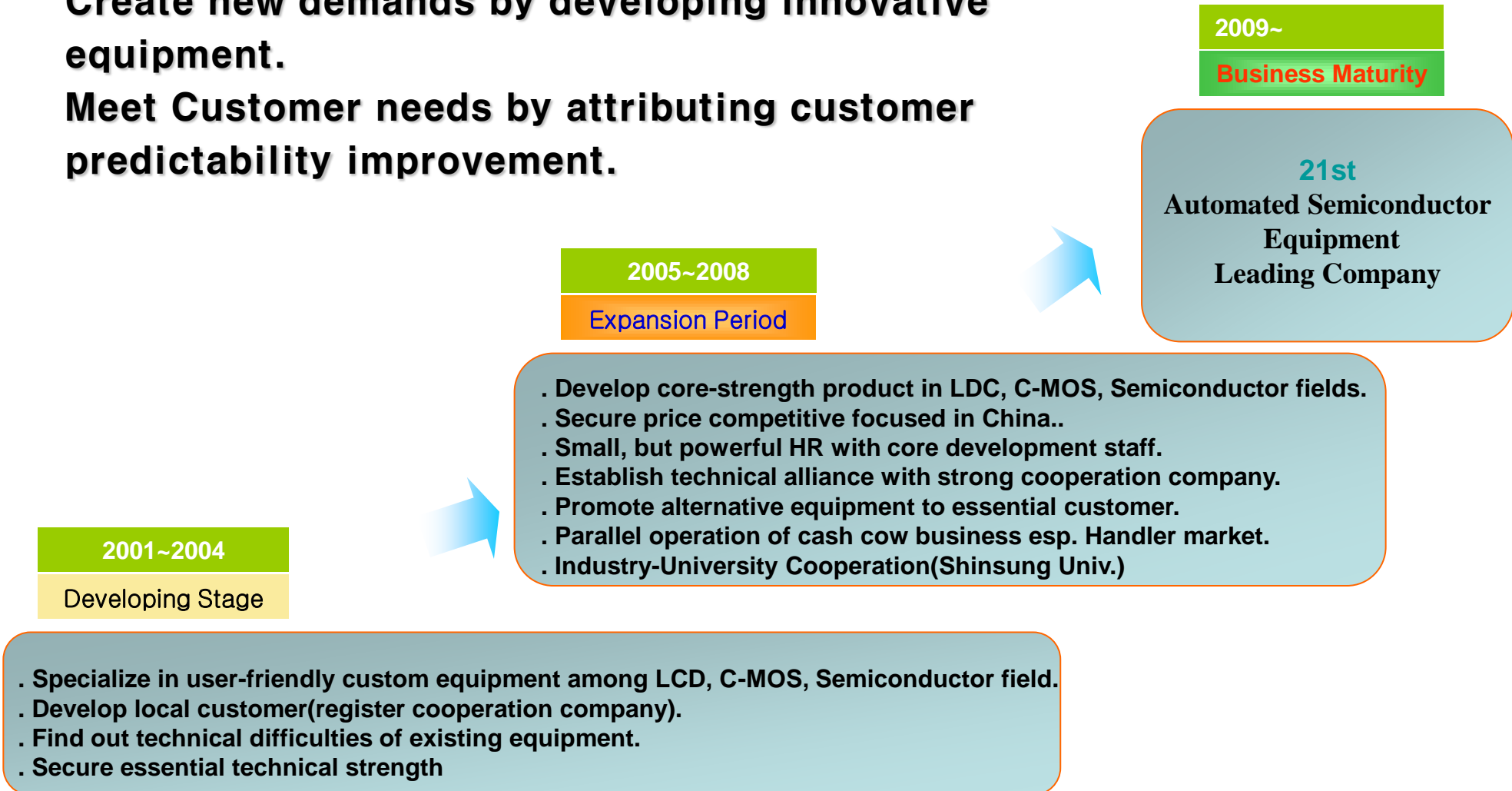
- 2003. 08 : Registered to SP Semiconductor Communications
- 2004. 01 : Registered to Fairchild
- 2004. 03 : Local distribution contract with Die bonder of TOSOK, Japan
- 2004.10 : Patents for [TFT LCD Panel Device : Reg# 10-2004-0090206]
- 2004. 10 : ISO 9001:2000
- 2004.10 : Industry-Univ. Technical Development Cooperation Contract  
[Shin sung Univ.]
- 2004.11 : Registered as professional parts-material company  
[Ministry of Commerce : Reg #1662]
- 2004.12 : New technology venture company registration  
[SMBA : 041624032-1-01240]
- 2007.12 : Cooperation company nomination from ASE GROUP
- 2009.12 : New technology venture company registration Renewal  
[KIBO : 20090100001]

# Organization Structure



# Company Vision

**Create new demands by developing innovative equipment.  
Meet Customer needs by attributing customer predictability improvement.**





# Business Summary

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## ◆ Core strategy Business

1. High Speed Test Handler(SOP,SOT)
2. High Speed Test Handler (TO-220, TO-247)
3. D(D2)-Pak Test Handler
4. TO-220 Test Handler
5. Inductor Test Handler
6. Epoxy Snap Cure Equipment

## ◆ Port Folio & Developing Business

1. CIS Test Handler
2. Die Test Handler





# S E Tech Products Item

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## Semiconductor Equipment

- : D-Pak, TO-220, ISO Test Handler
- : QFN, DFN Test Handler
- : Small Size Chip Test Handler
- : CIS Test Handler
- : Snap Cure
- : Auto IVI 3<sup>rd</sup> Inspection Jig etc.

## Others Equipment

- : Inductor Coating Machine
- : Inductor Test Handler
- : Sensor Parts Test Handler
- : Water Jet Recycle System
- : 3 Pad Inspection M/C

# Test Handler(KSH-2440)



## Specification

**Applicable Devices : DFN, QFN etc.**

**Loader : Bowl Feeder or PL Tube auto Loader**

**Index Time : 0.1 Sec**

**Test Station : Max. 8 Test Station**

**Vision Station : 4 Vision Station(Orientation, Top, Bottom, Taping)**

**Unloader : Auto 8 Bin**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 1750(W)x 1080(D)x 1840(H)mm**

**Weight : Approx. 700Kg**

# Test Handler(KSH-2550)



## Specification

**Applicable Devices : Proximity sensor etc.**

**Loader : Bowl Feeder or PL Tube auto Loader**

**Index Time : 0.15 Sec**

**Test Station : Max. 24 Test Station**

**Vision Station : 4 Vision Station(Orientation, Top, Bottom, Taping)**

**Unloader : Auto 8 Bin**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 1940(W)x 1260(D)x 1980(H)mm**

**Weight : Approx. 800Kg**

# Power Device Test Handler(KSH-2400)

## Specification

**Applicable Devices : D-PAK , SOP, SOT,DFN Etc.**

**Loader : PL Tube Auto Loader or Bowl Feeder**

**Index Time : 0.12 sec/pc**

**Test Station : 4 Test Station(Option : 6 Test Station)**

**Mark Station : 1 Laser Mark Station**

**Vision Station : 3 or 4 Vision Station(Orientation, Mark  
Lead, Taping)**

**Unloader : 1 Taping Station(Option : 2 Taping Station)**

**Auto 8 Bin Sorter**

**Power : AC220v  $\pm$ 10% 50/60Hz 3Phase**

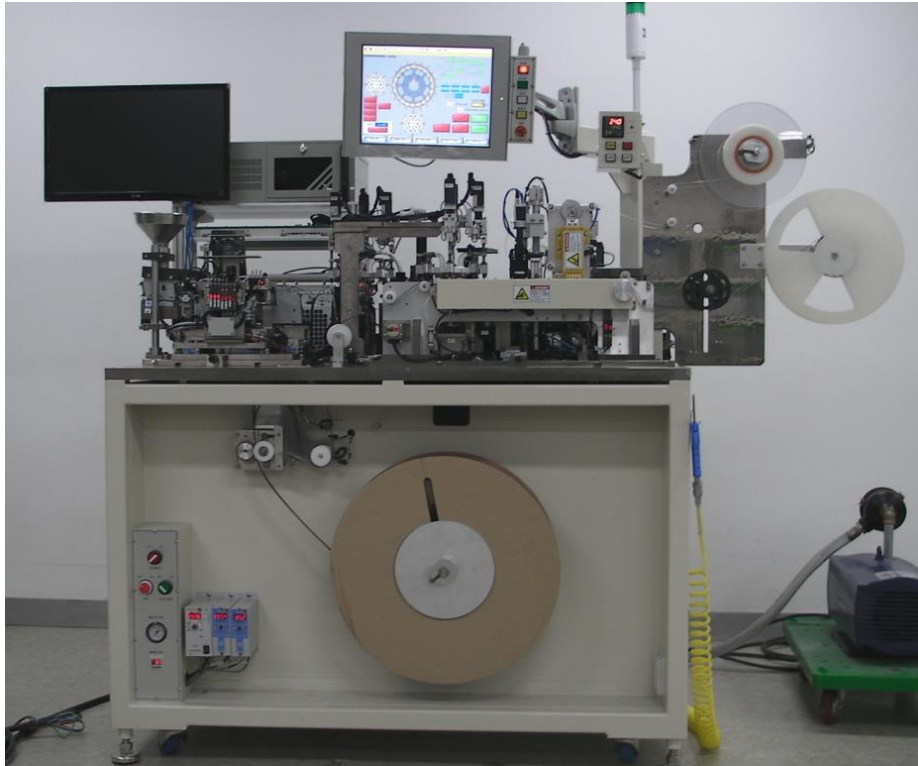
**Dimension : 1550(W)\*1300(D)\*1820(H)**

**Air : 4~5 kg/cm<sup>2</sup>**

**Weight : Approx. 800Kg**



# Test Handler(KSH-2500)



## Specification

**Applicable Devices : Proximity SENSOR**

**Loader : Bowl Feeder**

**Index Time : 0.15 Sec**

**Test Station : 6 Test Station**

**Vision Station : 4 Vision Station(Orientation, Top, Bottom, Taping)**

**Unloader : Auto 8 Bin**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

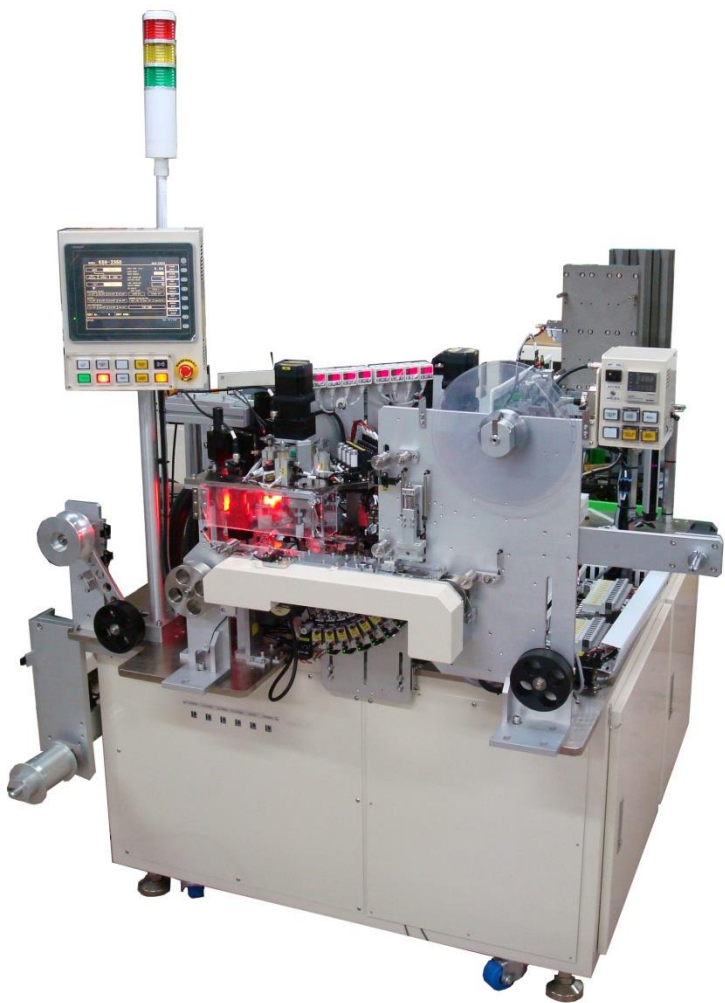
**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 1500(W)x 980(D)x 1840(H)mm**

**Weight : Approx. 700Kg**

# Power Device Test Handler(KSH-2300)



## Specification

**Applicable Devices : D2-PAK or D-PAK**

**Loader : PL Tube Auto Loader or Bowl Feeder**

**Index Time : 0.35 sec/pc**

**Test Station : 4 Test Station**

**Mark Station : 1 Laser Mark Station**

**Vision Station : 1 Vision Station(Mark,Lead)**

**Unloader : 1 Taping Station**

**7 Manual Tube Sorter**

**Power : AC220v  $\pm$ 10% 50/60Hz 1Phase**

**Air : 4~5 kg/cm<sup>2</sup>**

**Dimension : 1100(W)x 1400(D)x 1550(H)mm**

**Weight : Approx. 600Kg**

# Power Device Test Handler(KSH-2150)



## Specification

**Applicable Devices : TO - 220, TO-220F**

**Loader : PL Tube Auto Loader**

**Index Time : 0.35 Sec**

**Test Station : 1 ISO Test Station**

**3~4 Test Station**

**Mark Station : 1 Laser Mark Station**

**Unloader : Auto 5 Bin**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 900(W)x 1440(D)x 1470(H)mm**

**Weight : Approx. 600Kg**

# Inductor Test Handler(KSH-3200)



## Specification

**Applicable Devices : Inductor**

**Loader : Bowl Feeder**

**Index Time : 0.35 Sec**

**Test Station : 3 Test Station**

**Vision Station : 2 Vision Station(Orientation, Taping)**

**Unloader : Auto 8 Bin**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 1400(W)x 910(D)x 1770(H)mm**

**Weight : Approx. 600Kg**



# Inductor Coating mc(KSH-3500)



## Specification

**Applicable Devices : Inductor 1005, 0604**

**Loader : Bowl Feeder**

**Coating Method : UV Coating**

**Index Time : 0.37 Sec**

**Vision Station : 1 Vision Station**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

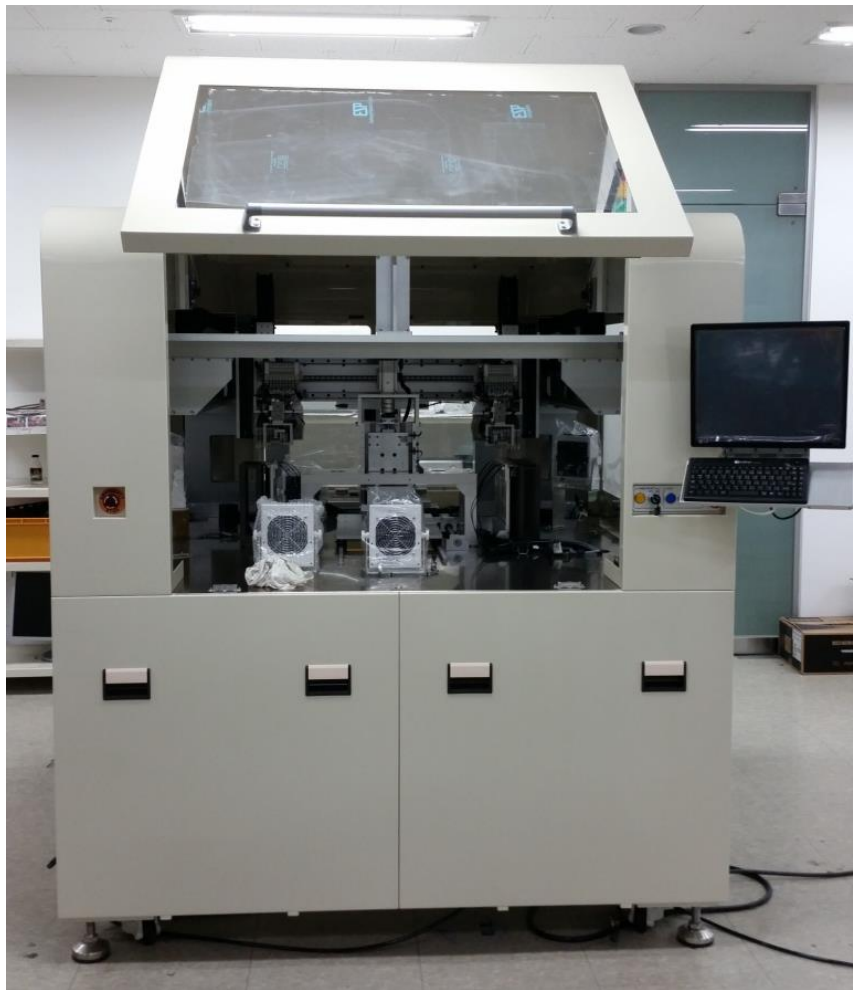
**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 1400(W)x 910(D)x1770(H)mm**

**Weight : Approx. 600Kg**

# CIS Test Handler



## Specification

**Applicable Devices : CMOS Image Sensor**

**Test Site : 16 Para(Variable)**

**Test Site Tray Change Time : 2 Sec**

**Loading : Tray Auto Loader**

**Unloading : Tray Auto Unloader**

**Power : AC220v  $\pm$ 10% 50/60Hz 1Phase**

**Dimension : 1700(W)x1400(D)x1900(H)mm**

**Weight : Approx 800Kg**

# Strip Mark Handler(KSH-4100)



## Specification

**Applicable Devices : Memory & Power**

**Loader/Unloader : Magazine to Magazine**

**Cycle Time : 6 sec/strip**

**Vision Station : 2 Vision Station**

**Power : AC220V  $\pm$ 10% 50/60Hz 3 Phase**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 2000(W)x 1264(D)x2045(H)mm**

**Weight : Approx. 800Kg**

# Die Test Handler(KSH-5000)



## Specification

**Applicable Devices : Memory**

**Loader/Unloader : Tray to Tray**

**Test Zone : 16 Para**

**Vision Station : 2 Vision Station**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

**About 2 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 1600(W)x 950(D)x1770(H)mm**

**Weight : Approx. 500Kg**

# Snap cure M/C(SECUCU-2600)



## Specification

**Applicable Devices : TO-92, D-Pak, TO-220 etc.**

**Loader : Dual Magazine Auto Loader**

**Index Rail : Dual Type**

**Unloader : Dual Magazine Auto Unloader**

**Power : AC220V  $\pm$ 10% 50/60Hz 1 Phase**

**About 20 KVA**

**Air : 4.5~6 kg/cm<sup>2</sup>**

**Dimension : 650(W)x 1771(D)x 1486(H)mm**

**Weight : Approx. 600Kg**

# LCD Cell Scriber Machine



## Specification

**Applicable Device : Stn, Tft LCD**

**L/Unloading : Manual**

**Stage Unit. : 400mm(L)\*600mm(W)\*30mm(H)**

**Stick Size : Max 350mm(L)\*500mm(w)\*2.2t**

**Min 10mm(L)\*300mm(w)\*0.8t**

**CCD Unit. : 150x 2 Set**

**Head Unit Feeding : Servo Motor**

**Control Panel : 6" Touch Panel**

**Power : AC220v  $\pm$ 10% 50/60Hz 1Phase**

**Dimension : 1150(W)x 1200(D)x 1640(H)mm**

**Weight : Approx. 600Kg**

# LCD Pol Attach Machine



## Specification

**Applicable Devices : LCD STN, TFT Panel**

**Air Blower : FFU**

**Antistatic : Ionizer**

**Loading / Unloading : Manual**

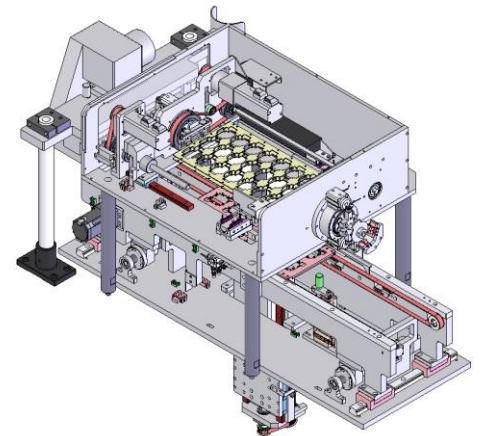
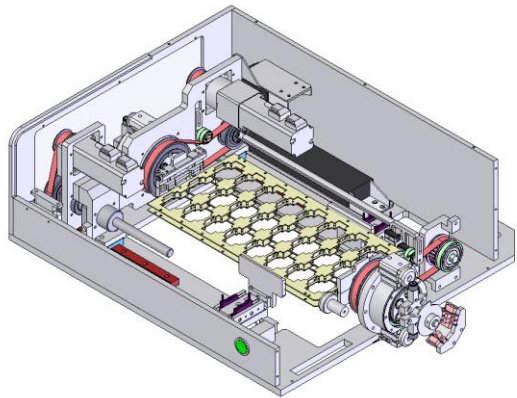
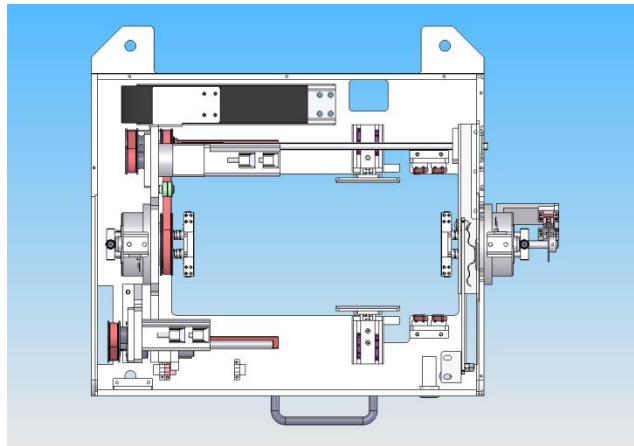
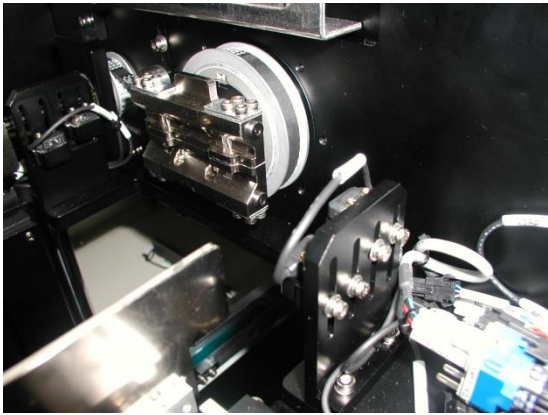
**Power : AC220v  $\pm$ 10% 50/60Hz 1Phase**

**Dimension : 1230(W)x775(D)x1920(H)mm**

**Weight : Approx 300Kg**

# Inverter System Manufacture

## Manufacturing & Modify & Repair





# Customer Status

Type	Customer	Product
<b>Local</b>	ASE Korea	Die Bonder Modify
	SPS Semiconductor	Test handler
	WooSeok S.tech corp.	Test handler, Snap Cure m/c
	Okins Electronics	Test Handler
	ABCO	Inductor Test Handler , Coating Machine
	Hynix	Die bonder Modify, 3 <sup>RD</sup> Inspection m/c
	STS Semiconductor	Die bonder Modify
	Mini Module	Focus handler, Lead fixing m/c
	Semicon Engineering	LCD Cell cleaner, Cell grinder
	SamSung Electronics	Die Bonder Modify
<b>Export</b>	NIDEC TOSOK	Lead frame cutting m/c
		Vacuum stacker loader
	VISION Tech	CIS Test Handler
	PSTS	Power Device Test Handler
	ASE Weihai	Test handler, Snap cure etc.
	Seiko Epson.	Test Handler Loader/Unloader Parts

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