



# **Sunstrong International Group**

China | Hong Kong | Singapore | Japan

# Overview

# SIL



## Group Introduction

- Our Group
- Our Milestones



## Certifications & Awards

- Certifications & Awards



## Products

- Markets we service
- Sales Breakdown
- Key Customer of Electronics
- Key Customer of Hardware
- PCBA Products
- Adapter & Charger Products
- LED Lighting
- R&D Team



## Facilities

- Professional Design Software
- RoHS Test Lab
- Workshop & Machines
- EMS One Stop Solution

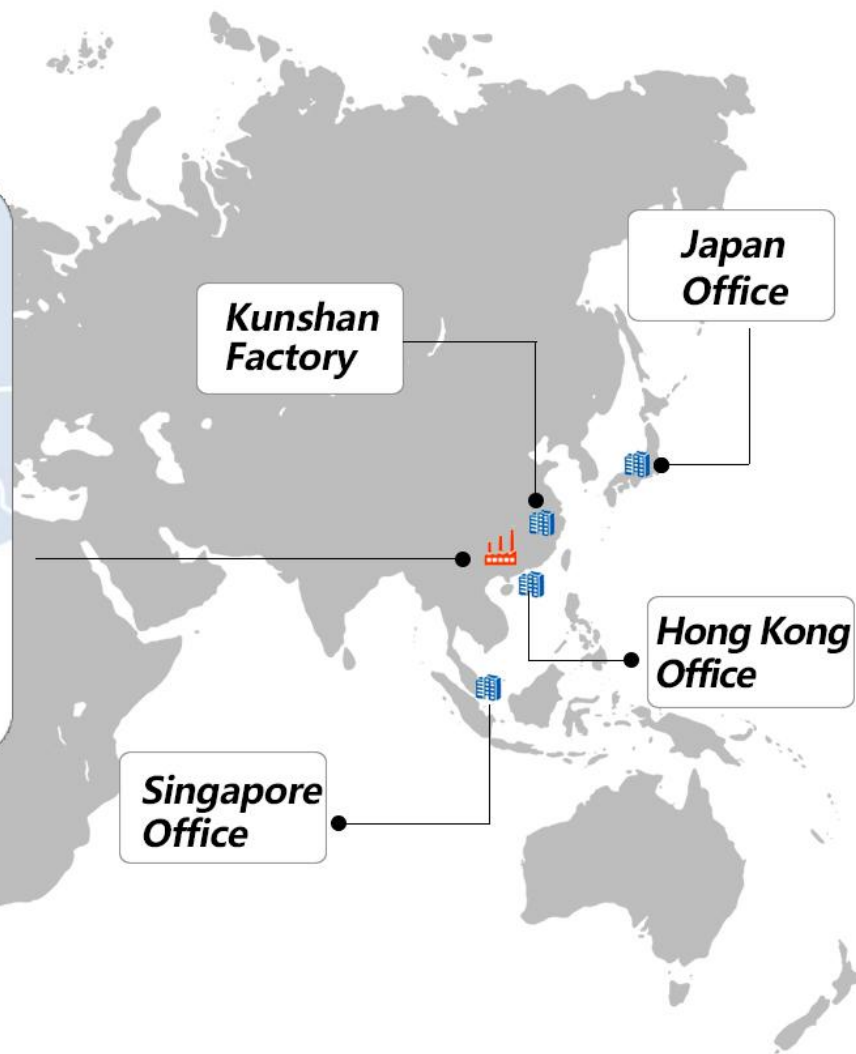
# Group Introduction







Group Turnover in USD \$ million



# Group Introduction

Introduction – Factories & Offices



**Sunstrong International Industrial Ltd. ( Hong Kong)**

Established:1984

Address:Flat 5-9,10/F,  
Wing Hing Industrial  
Building, No83-93  
Chai Wan Kok  
street,Tuesn Wan,N.T,  
Hong Kong.



**Sunstrong Dongguan Electrical & Mechanical Co.,Ltd**

Established:1994  
Land area:26,000m<sup>2</sup>  
Employee:3200

Address: Sunstrong  
Industrial Zone, Sicun,  
Tangxia, Dongguan,  
Guangdong, China



**Yi Li Sha Metal Products Co. Ltd. Dongguan**

Established:2004  
Land area:52,000m<sup>2</sup>  
Employee:1100

Address: Hongyuan  
Road, Shigu, Tangxia,  
Dongguan,  
Guangdong, China



**Gaoli factory, Dongguan**

Established:2007  
Land area5,000m<sup>2</sup>  
Employee:1300

Address: Gao Li  
Science and Technology  
Zone, Tangxia,  
Dongguan, Guangdong,  
China

# Group Introduction

Introduction – Factories & Offices



**Kunshan Electrical & Hardware Co.Ltd .**

Established:2016  
Land area:75,000m<sup>2</sup>  
Employee:500

Address:Meifeng road,  
Yushan, Kunshan,  
Jiangsu, China.



**Shenzhen Shun Yue Industrial**

Established:2003  
Land area:10,000m<sup>2</sup>  
Employee:200

Address: 3rd Industrial  
park, Bitou,  
Songgang , Shenzhen,  
Guangdong,China .



**Singapore office**

Established:2016

Address: 30/F,  
Singapore Land  
Tower,50 Raffles  
Place,Singapore 048623



**Japan office**

Established:2017

Address: Mg Meguro  
Ekimae Building  
Shinagaw-Ku. Tokyo

# Group Introduction

## Introduction –Milestone

# SIL

- 2017 Japan office launch in Meguro.
- 2016 Singapore office launch in Raffles Place and Kunshan factory with estimate 60,000 m<sup>2</sup> land area.
- 2015 ISO17025 in-house laboratory was certified by TUV.2014 Japan liaison office set up.
- 2011 Sunstrong obtained SGS ISO/TS16949 and ISO13485 certification.
- 2008 Sunstrong awarded “Employee-Approving Enterprise” .
- 2007 Gaoli factory was established in Dongguan, Guangdong. SIL was approved by COC of HP and Ericsson.
- 2005 Sunstrong obtained DNV ISO9001 and ISO 14001 certification, refined RoHS management policy, and purchased ICP, GC-MS and different kinds of testing equipments.
- 2004 Dong Guan Yilisha Hardware & Plastic Products Co., Ltd was founded in Dongguan, Guangdong.
- 2003 Shenzhen Shun Yue Industrial Ltd was founded in Song Gang, Shenzhen and obtained qualification of Sony Green Partner.
- 2002 Application of Lead free manufacturing process.
- 2001 RoHS has first applied in Sunstrong by the request of our Japanese customers Panasonic and NEC.
- 1998 Sunstrong obtained TUV ISO9001 certification.
- 1994 Headquarter factory was set up in 1994 in Dongguan, Guangdong
- 1984 Sunstrong International Industrial Ltd. was founded in Hong Kong





# Certifications & Awards





# Certifications & Awards

Introduction-Awards and Honor

# SIL



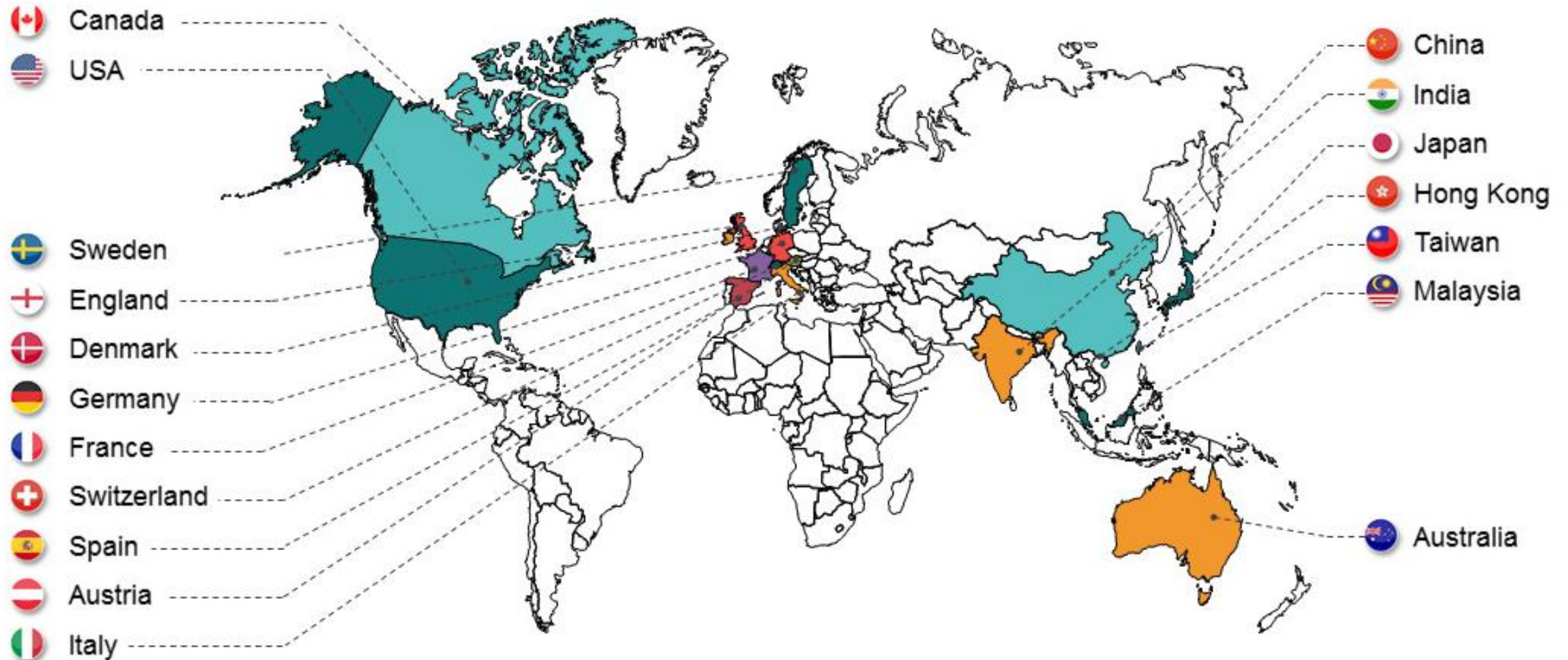
Products from Sunstrong International are RoHs compliance and designed to meet International standards such as UL, CUL, GS, VDE, Kema, SEV, CE, SAA, PSE, IMQ, Semko, Nemko, Fimko, and etc when required. Apart from that, Sunstrong International has a professional quality assurance system, monitored by a professional quality engineer team to assure that before delivering to our customers.

# Products



# Products

Markets We Service



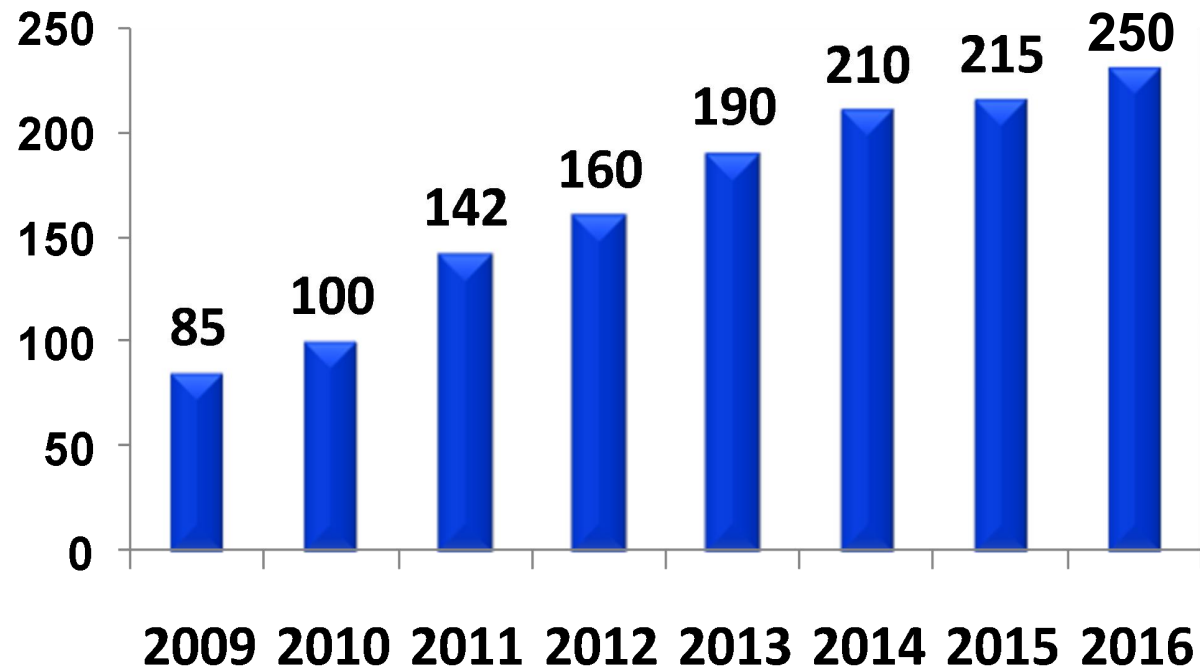


# Products

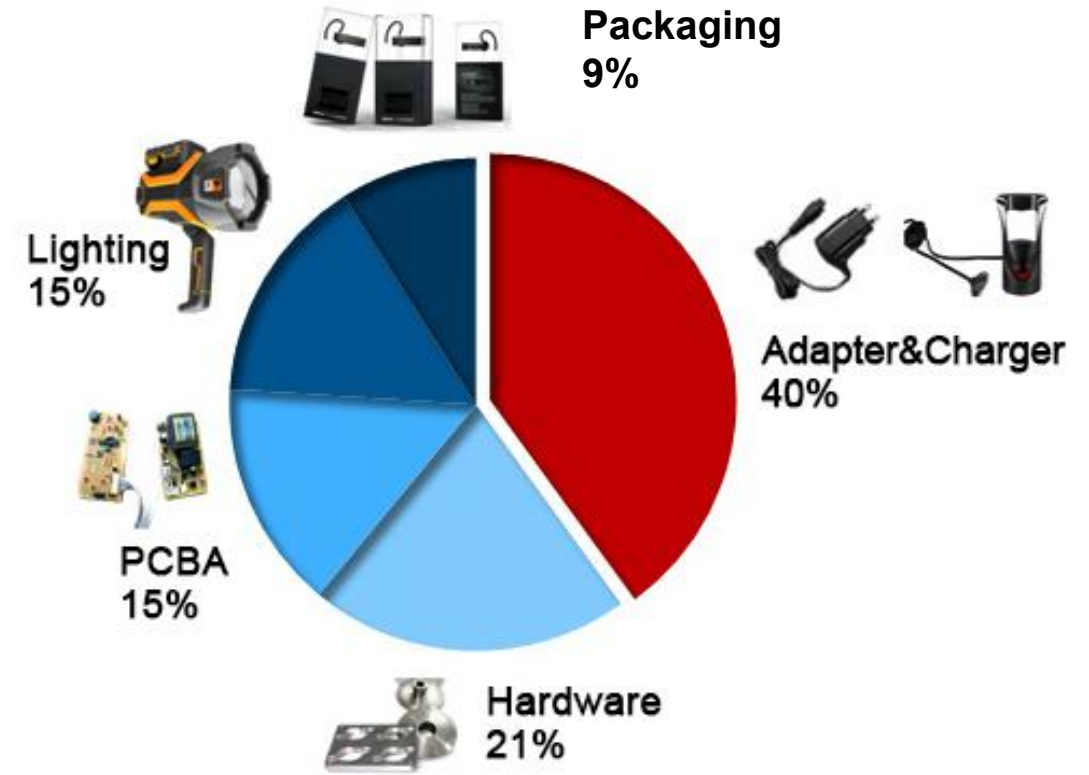
Sales Breakdown

**SIL**

*Turnover in US \$ million*



**Sales Breakdown 2016**



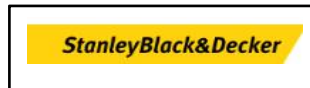
# Products

Key Customer Of PCBA

# SIL



Charger



Small Household Appliances



Consumer Electronics



LED Lighting



# Products

JVC Products



				
Product Number	KSC-35S	KSC-45LCR	KSC-44CR	KSC-47L
Product Use	Walkie	Walkie	Walkie	Walkie
Product Output	8.65V/850mA	5.5V/800mA	5.5V/800mA	12V 850mA



# Products

PANASONIC Products



Product Number	RE9-85/RE9-86	SL-41	RW-30
Product Use	Barber	Razor	Razor
Product Output	1.9V/1.4A	1.41V/105mA	1.4V/95mA

# Products

MAKITA Products







Product Number	DC18SG	DC18WA	DC1001	ADP07
Product Use	Power tool	Power tool	Vacuum cleaner	Power tool
Product Output	20.75V/3.7A	20.75V/1.7A	13.7V/505mA	12V 850mA

# Products

HITACHI Products



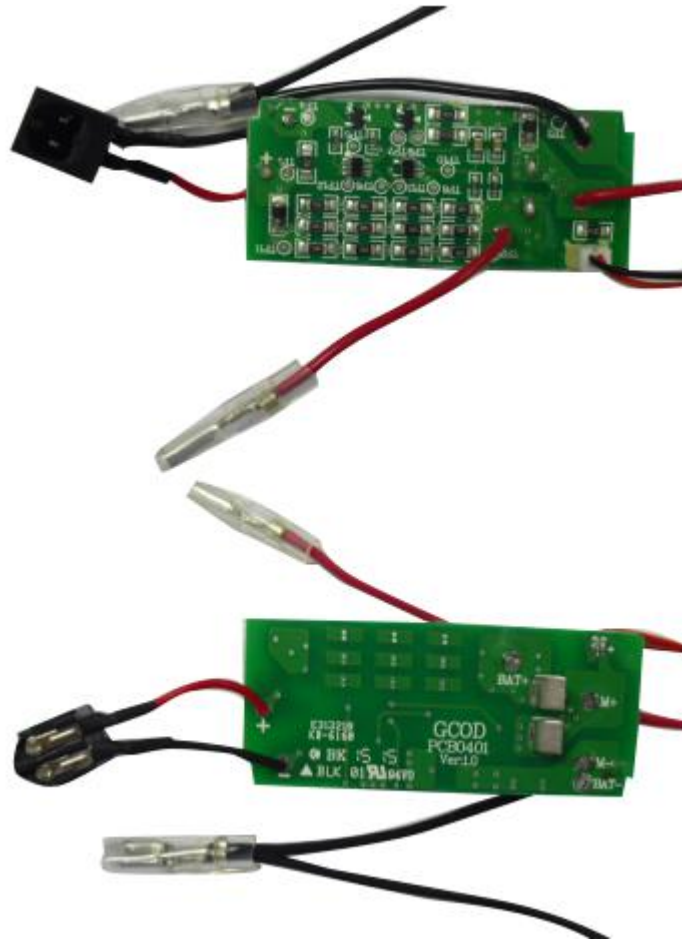
				
Product Number	DC18YDL	DC18YG	UC18YKSL	UC10SL2
Product Use	Power tool	Power tool	Power tool	Power tool
Product Output	18V/10A	18V/2.6A	18V/1.6A	18V 1.6A



# Products

PCBA Products Of Power Tool

**SIL**

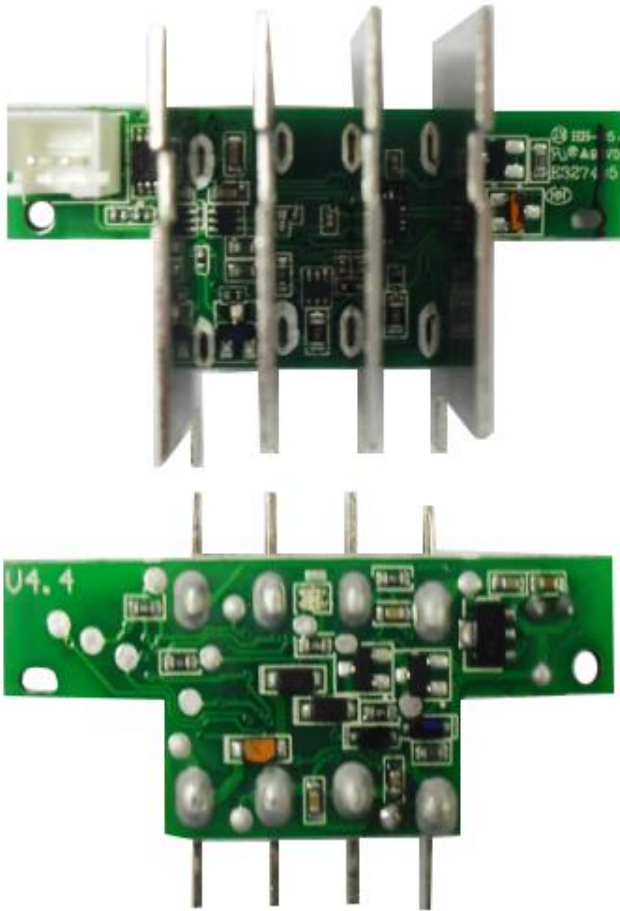


Battery type	Cells	Equilibrium -Charger function	Products	Function
<input type="checkbox"/> NimH	<input type="checkbox"/> 1cell	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>PowerTools</b>	<input checked="" type="checkbox"/> Per-Chrager
<input checked="" type="checkbox"/> Lithium	<input type="checkbox"/> 1cell	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Fast-Chrager
<input type="checkbox"/> Other	<input type="checkbox"/> 2cell	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Led lighting	<input checked="" type="checkbox"/> CV/CC-charger
	<input type="checkbox"/> 3cell		<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Trickle charge
	<input type="checkbox"/> 4cell			<input checked="" type="checkbox"/> Over current protection
	<input type="checkbox"/> 5cell			<input checked="" type="checkbox"/> Over voltage protection
	<input type="checkbox"/> 6cell		<input type="checkbox"/> <b>Vacuum cleaner</b>	<input type="checkbox"/> Low battery protection
	<input type="checkbox"/> 7cell		<input type="checkbox"/> Vacuum motor	<input type="checkbox"/> Temperature protection
	<input type="checkbox"/> 8cell		<input type="checkbox"/> Brush motor	<input type="checkbox"/> Output short prtction
	<input type="checkbox"/> 9cell		<input type="checkbox"/> Led lighting of brush	<input type="checkbox"/> Led display
	<input checked="" type="checkbox"/> 10cell		<input type="checkbox"/> Vacuum hi and low speed	
	<input type="checkbox"/> Other			

# Products

PCBA Products Of Power Tool

**SIL**

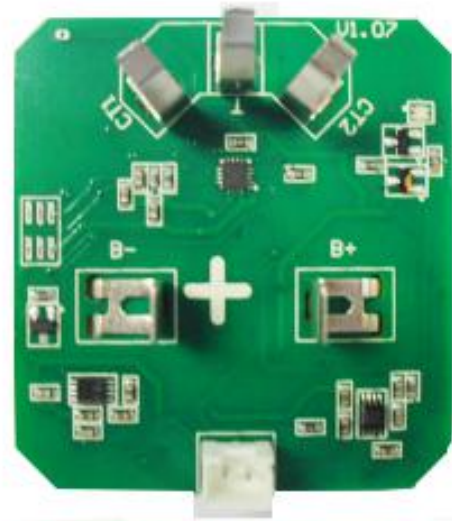


Battery type	Cells	Equilibrium -Charger function	Products	Function
<input type="checkbox"/> NimH	<input type="checkbox"/> 1cell	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>Power Tools</b>	<input checked="" type="checkbox"/> Per-Chrager
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# Products

PCBA Products Of Power Tool

**SIL**



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<input type="checkbox"/> NimH	<input type="checkbox"/> 1cell	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> <b>PowerTools</b>	<input checked="" type="checkbox"/> Per-Chrager
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	<input type="checkbox"/> 10cell		<input type="checkbox"/> Vacuum hi and low speed	
	<input type="checkbox"/> Other			



# Products

PCBA Products Of Power Tool

**SIL**

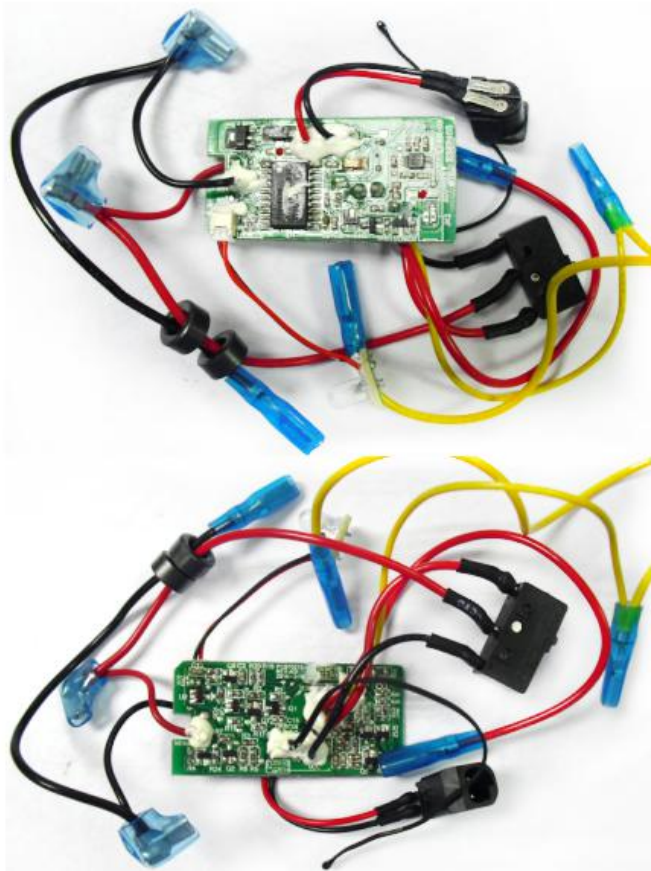


Battery type	Cells	Equilibrium -Charger function	Products	Function
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	<input type="checkbox"/> 9cell		<input type="checkbox"/> Led lighting of brush	<input checked="" type="checkbox"/> Led display
	<input type="checkbox"/> 10cell		<input type="checkbox"/> Vacuum hi and low speed	
	<input type="checkbox"/> Other			

# Products

PCBA Products Of Garden Tool

**SIL**



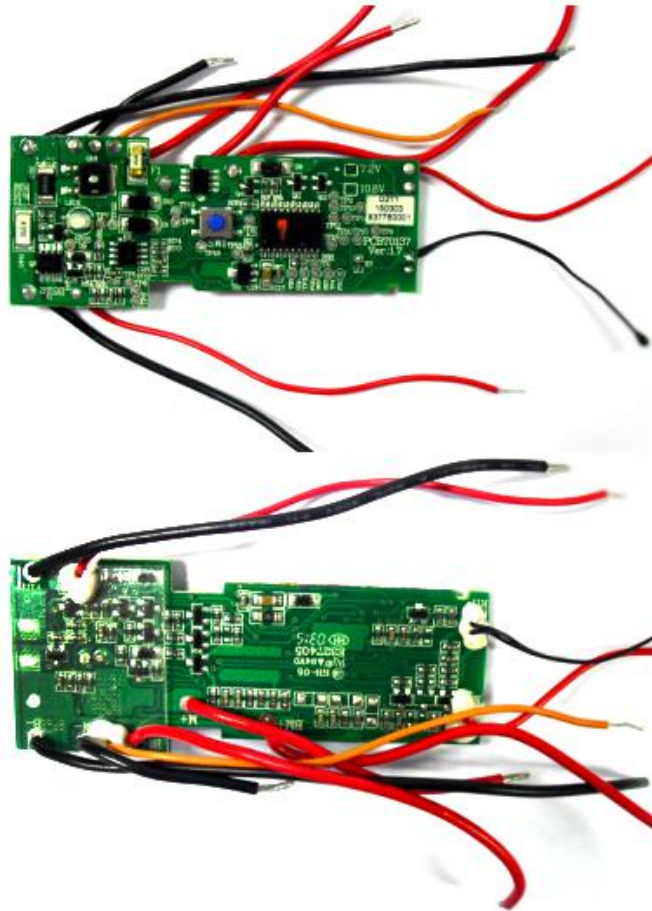
Battery type	Cells	Equilibrium -Charger function	Products	Function
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<input checked="" type="checkbox"/> Lithium	<input type="checkbox"/> 1cell	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Fast-Chrager
<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 2cell	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Led lighting	<input checked="" type="checkbox"/> CV/CC-charger
	<input type="checkbox"/> 3cell		<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Trickle charge
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	<input type="checkbox"/> 6cell		<input type="checkbox"/> <b>Vacuum cleaner</b>	<input type="checkbox"/> Low battery protection
	<input type="checkbox"/> 7cell		<input type="checkbox"/> Vacuum motor	<input type="checkbox"/> Temperature protection
	<input type="checkbox"/> 8cell		<input type="checkbox"/> Brush motor	<input type="checkbox"/> Output short prtction
	<input type="checkbox"/> 9cell		<input type="checkbox"/> Led lighting of brush	<input type="checkbox"/> Led display
	<input type="checkbox"/> 10cell		<input type="checkbox"/> Vacuum hi and low speed	
	<input type="checkbox"/> Other			



# Products

PCBA Products Of Vaccum cleaner

SIL

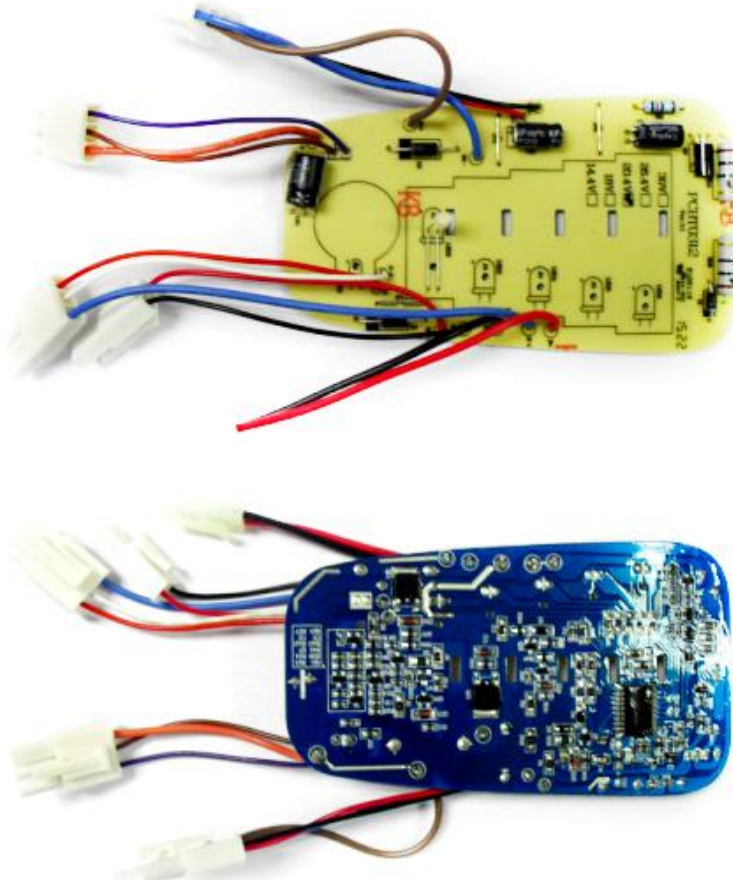


Battery type	Cells	Equilibrium -Charger function	Products	Function
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<input checked="" type="checkbox"/> Lithium	<input type="checkbox"/> 1cell	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Fast-Chrager
<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 2cell	<input type="checkbox"/> Other	<input type="checkbox"/> Led lighting	<input checked="" type="checkbox"/> CV/CC-charger
	<input type="checkbox"/> 3cell		<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Trickle charge
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	<input type="checkbox"/> 5cell			<input checked="" type="checkbox"/> Over voltage protection
	<input type="checkbox"/> 6cell		<input checked="" type="checkbox"/> <b>Vacuum cleaner</b>	<input checked="" type="checkbox"/> Low battery protection
	<input type="checkbox"/> 7cell		<input checked="" type="checkbox"/> Vacuum motor	<input checked="" type="checkbox"/> Temperature protection
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	<input type="checkbox"/> 9cell		<input type="checkbox"/> Led lighting of brush	<input checked="" type="checkbox"/> Led display
	<input type="checkbox"/> 10cell		<input checked="" type="checkbox"/> Vacuum hi and low speed	
	<input type="checkbox"/> Other			

# Products

PCBA Products Of Vacuum cleaner

**SIL**



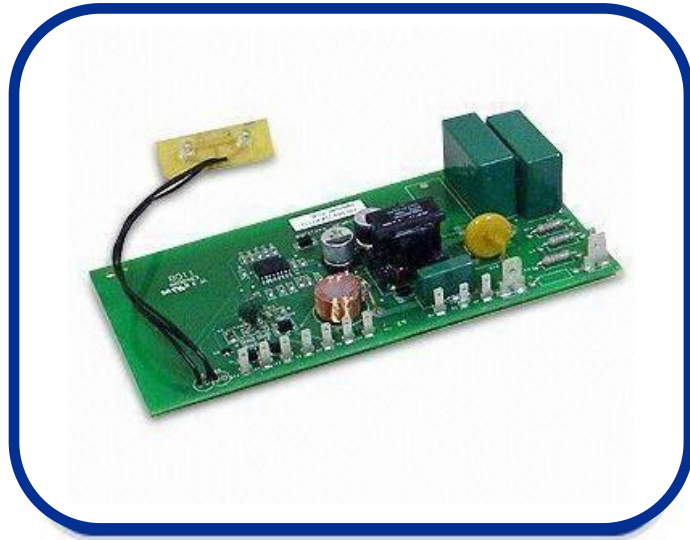
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<input type="checkbox"/> Lithium	<input type="checkbox"/> 1cell	<input checked="" type="checkbox"/> No	<input type="checkbox"/> BLDC	<input type="checkbox"/> Motor Forward/Reversal	<input checked="" type="checkbox"/> Fast-Chrager
<input type="checkbox"/> Other	<input type="checkbox"/> 2cell	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Led lighting	<input type="checkbox"/> CV/CC-charger
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	<input type="checkbox"/> 10cell			<input checked="" type="checkbox"/> Vacuum hi and low speed	
	<input checked="" type="checkbox"/> 17cell				
	<input type="checkbox"/> Other				



# Products

PCBA Products

**SIL**



**Floor Care**



**Vacuum**



**Window cleaner**



**Car Vacuum**



**Carpet Cleaners**



**Steam Cleaner**

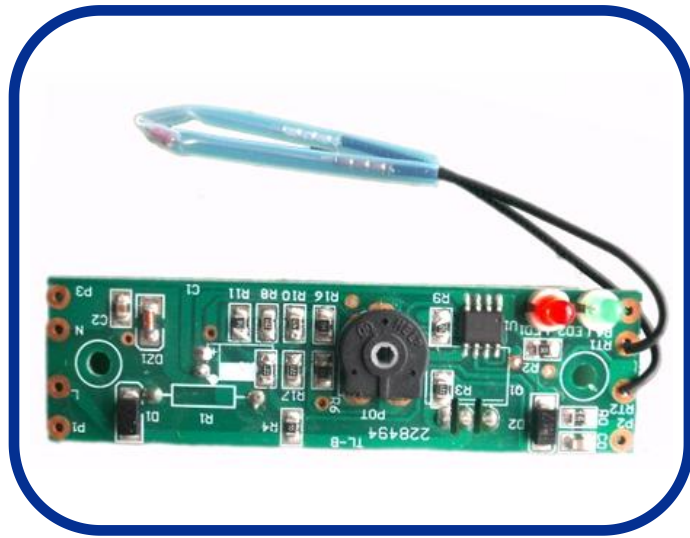


**Garage vacuum**

# Products

PCBA Products

# SIL



**Personal Care**



**Electric toothbrush**



**Shaver**



**Trimmer**



**Hair clipper**



**Hair Dryer**

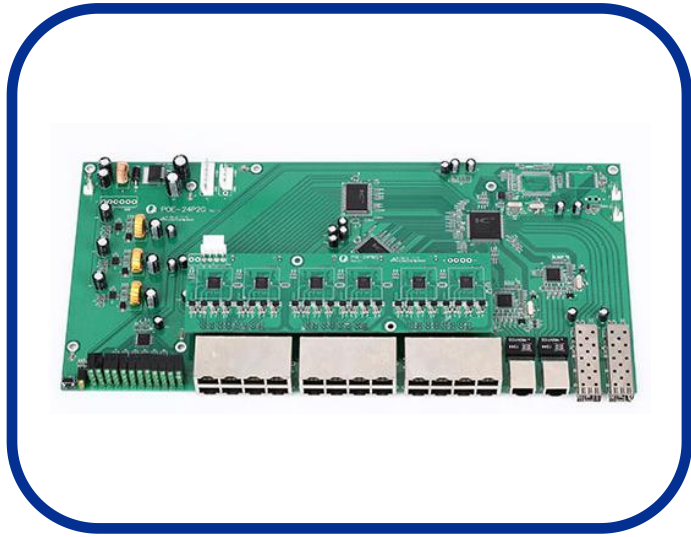


**Blender**

# Products

PCBA Products

**SIL**



**Home Appliance**



**Home appliance**



**Power tool**



**Garden tool**



**Audio Device**



**Security Device**

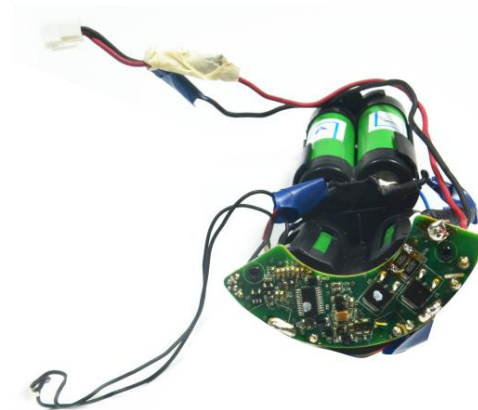
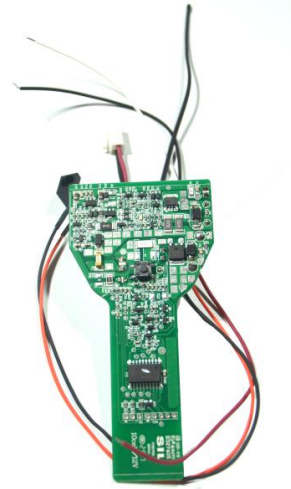


**Lighting**

# Products

PHILIPS FC 6169 Vaccum Cleaner

SIL





# Products

PHILIPS FC 6409 Vaccum Cleaner

SIL



# Products

PHILIPS Die-casting Products for lights

**SIL**



# Products

Adapter & Charger Products

**SIL**



**Adapter & Charger Products**



**Multi-plug charger**



**Car charger**



**Desktop charger**



**Personal care**



**Power tool**



**Wall-mount adapter**

# Products

LED Lighting

**SIL**



**LED lighting**



**Head light**



**Work Light**



**Flood light**



**Desk light**



**Flash light**



**Outdoor light**



# Products

## Blister Packaging

SIL



# Products

Hardware

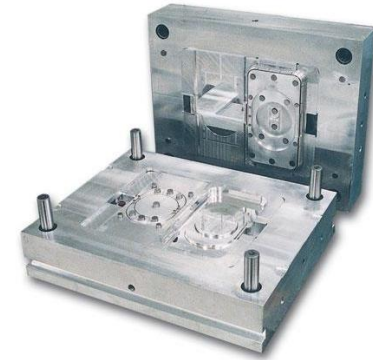
# SIL

## YILISHA®

Subsidiary Of  
Sunstrong Group



CNC



Mould  
Tooling



Sheet metal



Stamping

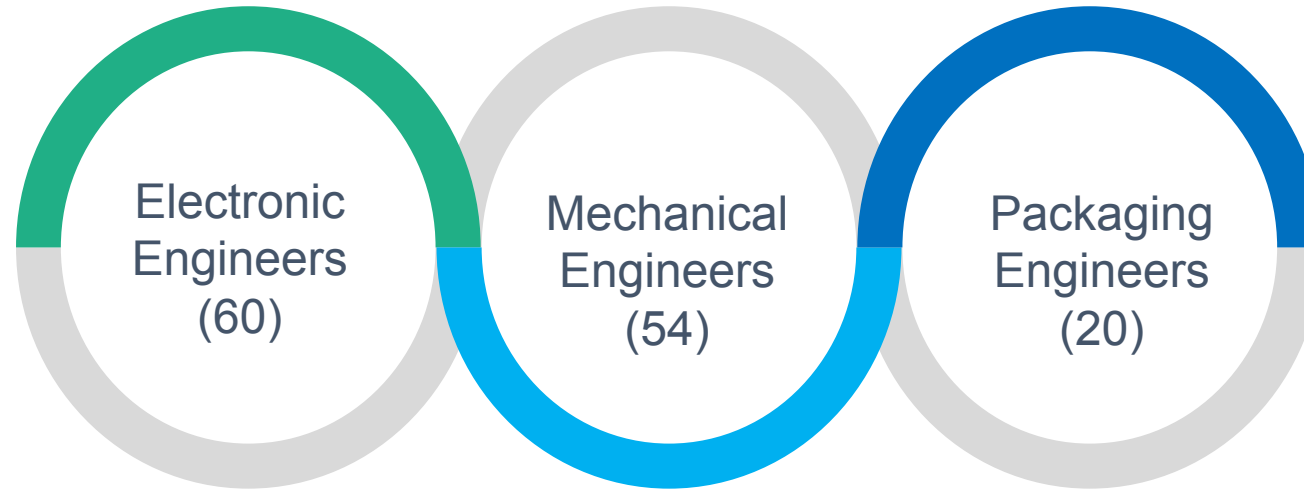


Die casting



Bending

# R&D Team



## Electronic Engineer

Charger Engineer (16)
Software Engineer (3)
Testing Engineer (18)
Layout Engineer (5)
PCBA Design Engineer (10)
Light Engineer (8)

## Mechanical Engineer

Tooling Design Engineer(15)
Mechanical Engineer (9)
Packaging Engineer(5)
Lighting Engineer (12)
Power Cord Engineer (12)

## Packaging Engineer

Design Engineer(7)
Layout Engineer(5)
Test Engineer(5)
Art Engineer(3)

# Facilities



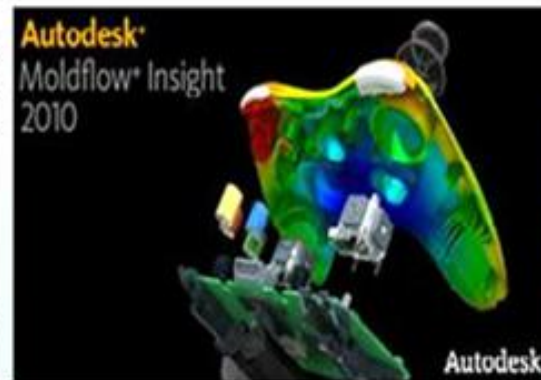
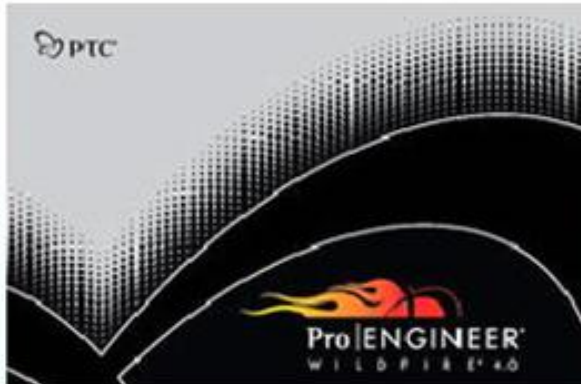


# Facilities

Professional Design Software

**SIL**

## CAE/CAD/CAM System



AUTOCAD

# Facilities

RoHS Test Lab

# SIL



**ICP TESTER**



**ASS TESTER**



**microwave extraction  
& Digestion equipment**



**GC-MS TESTER**



**X-RAY FLUORESCENCE  
ANALYER**

# Facilities

Test Lab

# SIL



**Mitutoyo Crysta Plus 504  
Coordinate Measuring  
Machine**



**Constant Temperature &  
Humidity Tester**



**E7402A EMC Spectrum  
Analyzer**



**EMI Testing Room**



**Lightning Surge Tester**

# Facilities

Lighting Test Lab

**SIL**



PMS-80 High Precision  
Spectrum Analysis



Illumination Test



Reliability Test Lab



Waterproof Testing  
Instrument



# Facilities

SMT Workshop

**SIL**

AI(Axial)

AI(Radial)

Printing

SPI

Mounter

Reflow

AOI



Equipment	Brand	Quantity
AI(Jump wire insertion)	Panasonic	1 Set
AI(Axial insertion)	Panasonic	4 Sets
AI(Radial insertion)	Panasonic	4 Sets
AI(Printing)	GKG/DESEN	13 Sets
SPI	TRI	1Set
Mounter	Panasonic	4 Sets
	YAMAHA	22 Sets
	JUKI	9 Sets
Reflow	JT	7 Sets
	SUN EAST	4 Sets
AOI	JT	10 Sets
Total : 79 Sets		

# Facilities

## Injection Workshop



Equipment	Description	Quantity
Vertical Injection	25T - 85T	26Sets
Horizontal Injection	58T - 110T	19Sets
Horizontal Injection	120T - 200T	37Sets
Horizontal Injection	300T - 380T	17 Sets
Horizontal Injection	470T	2 Sets
Total : 101 Sets		

# Facilities

CNC Workshop



## CNC Milling Machines :

Max Dimensions: 1000 x 490 x 610mm

## CNC Lathing Machines:

Within  $\Phi$  50 mm, max single:  $\Phi$ 110mm

Equipment	Brand	Quantity
CNC Milling Machine	LG Mazak(Japan)	200 Sets
CNC Lathing Machine	Miyano(Janpan) Tsugami(Japan)	150 Sets
		Total : 350 Sets



# Facilities

Stamping Workshop



## Stamping Machines: Max Dimensions:

420 x 300 x 3mm. Tolerance:0.02mm

Equipment	Description	Quantity
Stamping Machine	10T-200T	54 Sets
		Total : 54 Sets



# Facilities

Die Casting



Equipment	Description	Quantity
Central/Melting	1 T/H	1 Set
	0.5 T/H	1 Set
UBE DC Machine for Aluminium	250 T	2 Sets
	350 T	4 Sets
	530 T	1 Set
	670 T	2 Sets
	850 T	1 Set
EG DC Machine for Zinc	88 T	1 Set
	130 T	2 Sets
Total : 15 Sets		

# Facilities

## Sheet Metal



### Sheet Metal Products Application :

Fireplace, Heat Exchange, Switch Cabinet, Information Terminals, High-voltage Electric box

Equipment	Brand	Quantity
Laser Cutting	Trumpf(German)	1 Set
NCT Machine	FINN-POWER E(Finland)	5 Sets
Press-in Machine	Haeger618PLUS-H/54KN (CHINA)	8 Sets
NC-Bending	FINN-POWER(Finland)	4 Sets
NC-Bending	Accurpress(China)	10 Sets
		Total : 28 Sets

# Facilities

## Mould Tooling



### Manufacturing capability:

Injection Mould, Die-casting mold and Stamping mold.  
Precision:0.002mm.



Equipment	Brand	Quantity
CNC Machine	Japan\China	14 Sets
Wire Electrode Cutting	Switzerland\Tai Wan\China	14 Sets
EDM Machine	Switzerland\Tai Wan	7Sets
Tooling fit Machine	China	1 Set
		Total : 36 Sets

# Facilities

Surface Treatment



Electroplating



Powder Coating



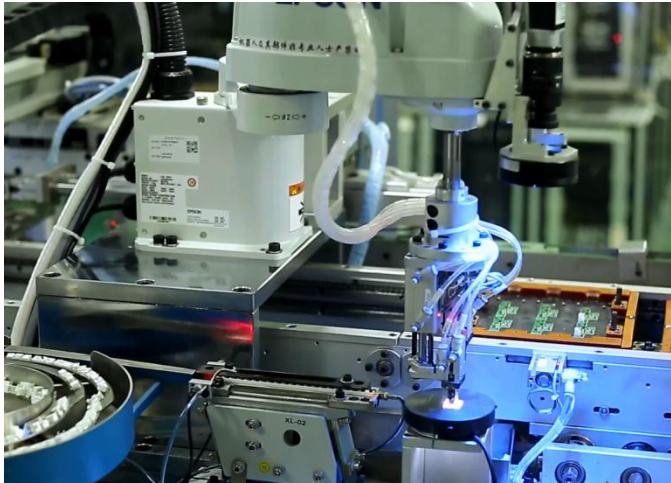
Painting

Equipment	Quantity
Manual Powder Coating	2 Sets
Automatic Powder Coating	1 Set
Painting	2 Sets
Electroplating	5 Sets
Total : 10 Sets	

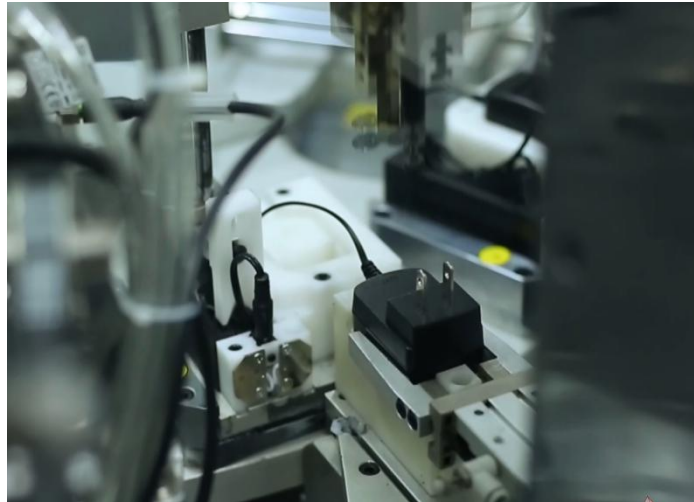


# Facilities

Automation Assembly Equipment



Automation Robotics line



Automation Assembly Line

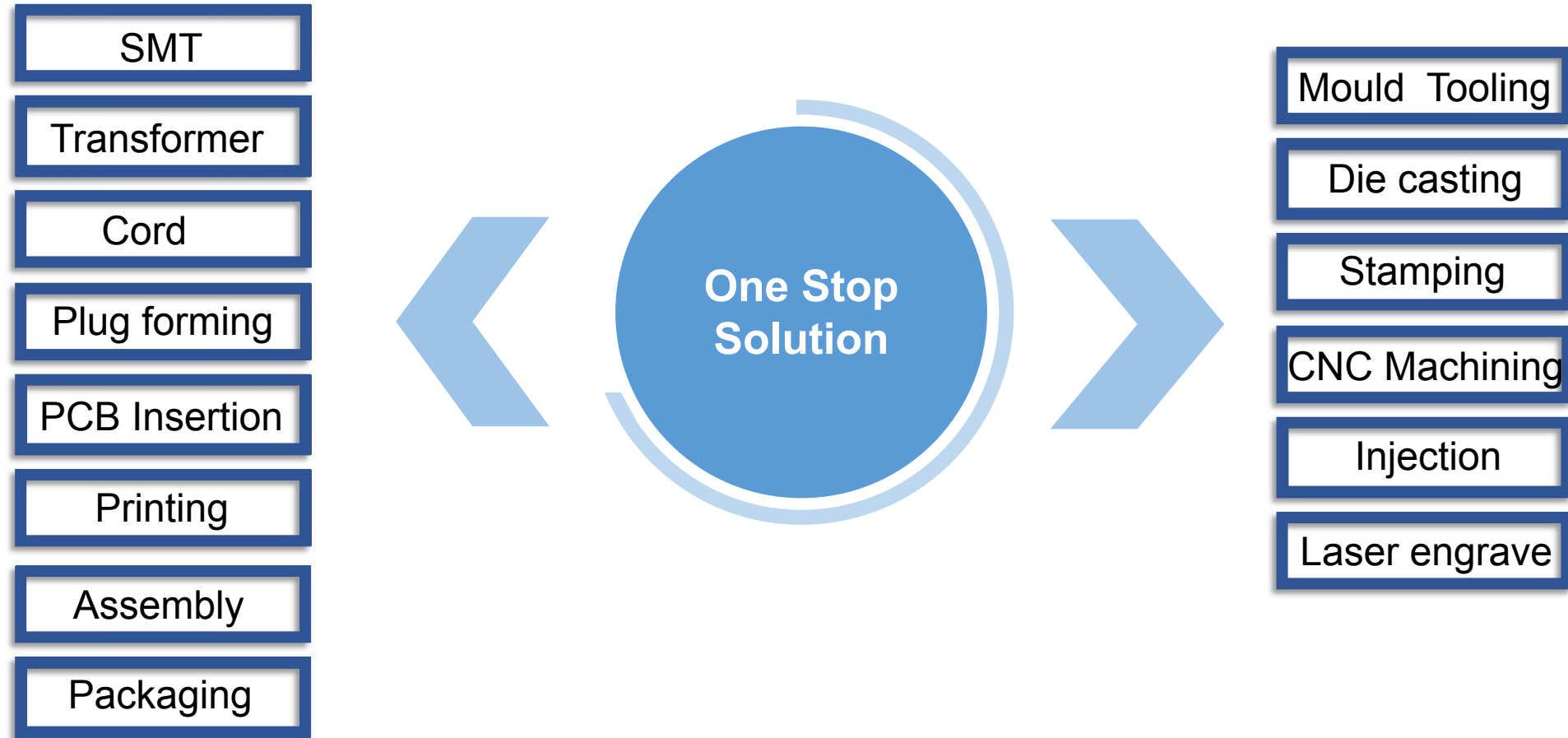


Automation Test Line

# Facilities

EMS One Stop Solution

**SIL**



# Facilities

Your one stop solution & all made under one roof

# SIL



## Quality

Critical Components made in-house to assure Quality

## Cost

Price competitiveness as major part made in-house

## Delivery

Sample delivery will be quick as arrangement can be made internal rather than externally

## well-controlled

Quality ,Cost and Delivery in own hand and well-controlled

# SIL



**SIL**

**THANKS**

China | Hong Kong | Singapore | Japan

