

Sungbo Industries



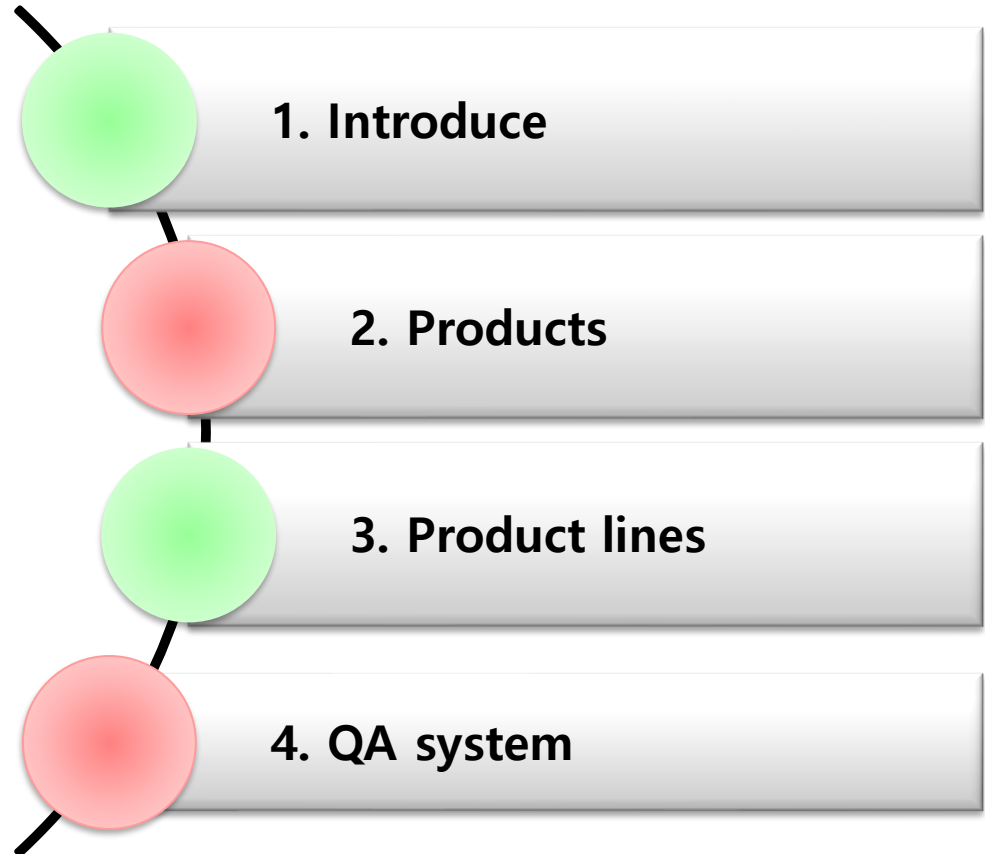
Sungbo Industries Co., Ltd.
<https://www.sungboauto.kr>

2026. 04

SUNGBO

SUNGBO

Legend





1. Profile

Sungboauto

President : Kim Young-Ik
Jung Sung-Hun

Automotive PCBA for
local and overseas

26M\$ (2025Y)



Based on 2025
Annual sales revenue



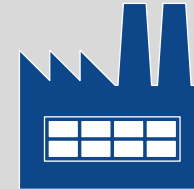
Number of Employees

87

<https://www.sungboauto.kr>

1

151-3, 1 gongdan-ro 6-gil, Gumi-si,
Gyeongsangbuk-do,
Korea

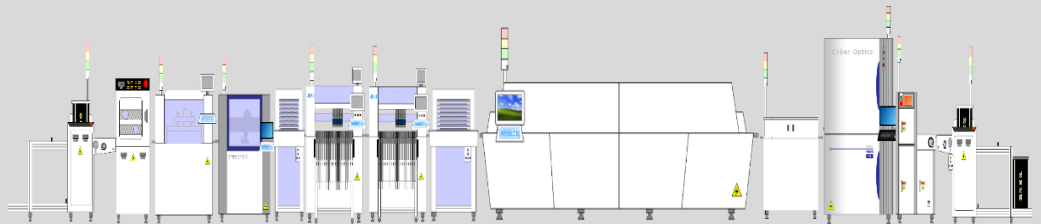


39 Years

Begin Specialized Manufacturer of Automotive
Application Component business since 1987

SMD Line

6



We deliver **best quality** and **high tech**.

Management	Products
1987.05 Established	
1991.03 Acquired export license (KITA)	1991.02 Developed Daewoo aircon controller, first in korea
1992.12 Established R&D center	
	1996.01 Daewoo V9(Brougham, Prince) aricon controller
	2001.07 SYMC aircon controller
2005.03 Inno-Biz Certification(Ministry of SMEs and Startups)	
2005.10 Move to gong-dan dong	
2006.06 Acquired ISO/TS16949	
	2007~2010 : SGM, Chyrysler, Tata aircon controller
	2011.09 FORD lamp
2012.12 Award for exporting \$5million	
	2013.06 Chrysler aircon controller
2018.01 VDA6.3 Pre-Audit certification	2014.05 FIAT aircon controller/GMK ionizer
2018.03 IATF 16949:2016 certification	2016.07 UAZ aircon controller
2018.12 BIQS (erae automotive) certification	2018.01 Honda lamp
2019.04 ISO 14001 certification	2018.06 GM ECM/NAMI EPB
2020.08 SQ certification	
2021.02 Registered to SL, KDS's supplier	2020.08 HKMC CV SBW
	2021.01 ESC, VCU controller, / FCA lamp
	2021.04 SL lamp
2023.08 Move to current factory	
※ airocn = Air Conditioner	

Controller, etc



• SBW



• FATC(에어컨 컨트롤러 제어기판)



• EPB/ESC



• Ionizer controller



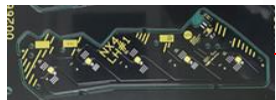
• ECM/VCU



• PHCC(점화코일장치제어기판)

Exterior lighting

• DRL (주간주행등)



Exterior lighting



• CHMSL



• RC Lamp

Interior lighting



• Trunk Lamp



• Night lock Indicator Lamp



• Dome & Puck Lamp

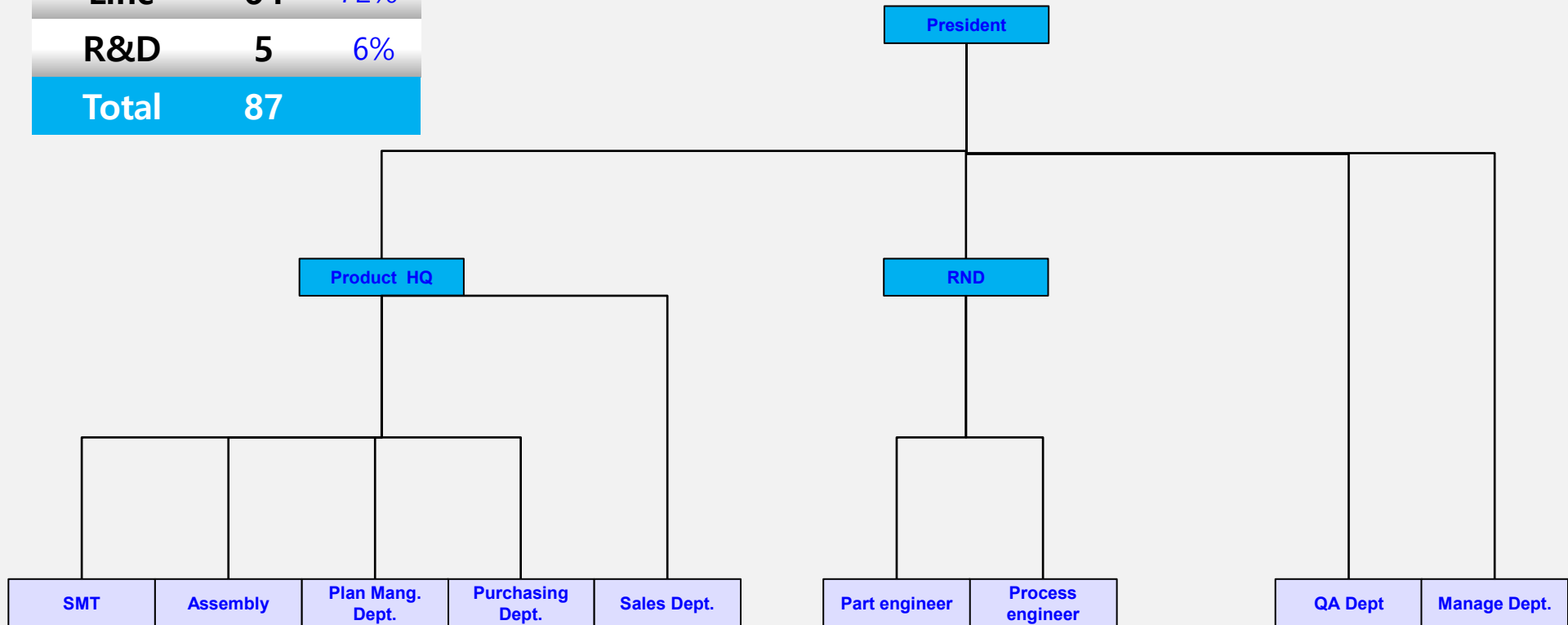


• Under hood Lamp



■ Organization

Officer	18	22%
Line	64	72%
R&D	5	6%
Total	87	

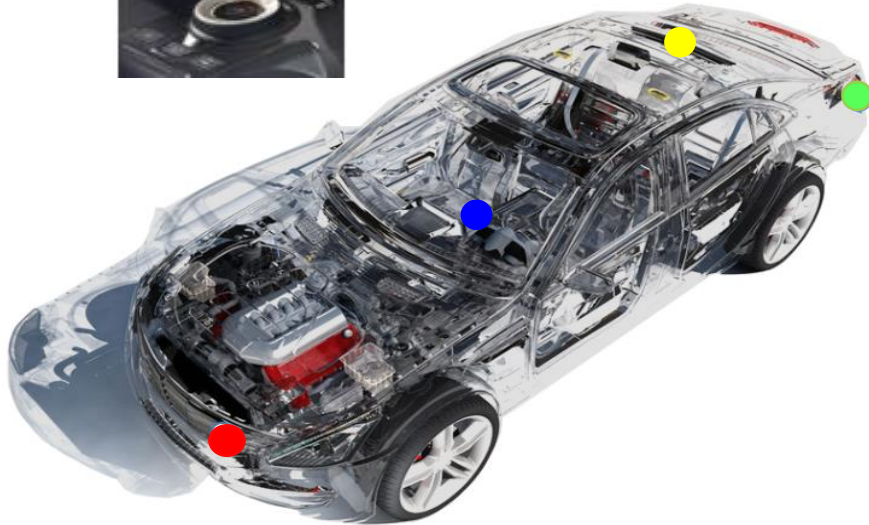




2. Products

Exterior lighting

SBW (CV Knob Dial_EV6)



RCL (Rear Combination Lamp)



- o Location
Rear side lamps
- o Function
break lighting, signal, etc
- o Applied car
NX4, GV80, MX5 for Hyundai



Rear Combination Lamp

DRL (Daytime Running Light Lamp)



Daytime Running Light Lamp

- o Location
both outside of front bumper lamp
- o Function
lighting during running
- o Applied car
NX4

HMSL (High Mounted Stop Lamp)



High Mounted Stop Lamp

- o Location
upper rear lamp
- o Function
break lighting
- o Applied car
GN7

도어등 (Nightlock Indicator Lamp)



Nightlock Indicator Lamp

- o Function
indicate whether door is locking stat
- o Feature
high visibility and design
- o How to work
turn on when door is locked



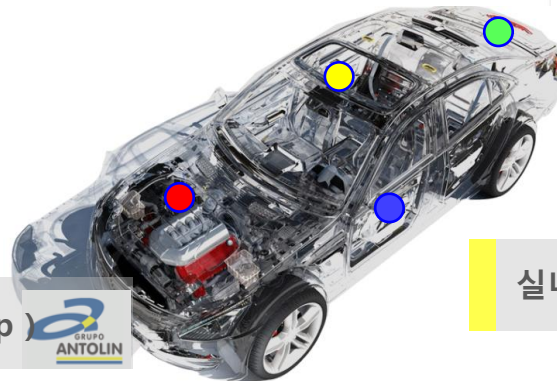
트렁크등 (Cargo Lamp)



- o Function
cargo lamp
- o Feature
high visibility and design
- o How to work
turn on when trunk opened



Cargo Lamp



본네트등 (Underhood Lamp)



Underhood Lamp

- o Function
lighting at bonnet
- o Feature
applied tilt switch to recognize underhood opened
- o How to work
applied sensor catch underhood opened

실내등 (High Mounted Stop Lamp)



Dome Lamp

- o Function
assembled on above driver to light into room.
support 2 kinds of LED ambient and back light.
also duplicated with left side and right side
- o Feature
high visibility and high quality switch design
- o How to work
user can drive via knob switch
the courtesy function support auto driven

머짐.

에어컨 컨트롤러 제어기판 (FATC-Full Automatic Temperature Control System)



Full Automatic Temperature Control System

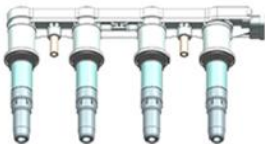
o Function
FATC(Full Automatic Temperature Control system) control room environment automatically.

o Feature
control wind / block outside pollution / humidity

o How to work
manage room environment by preset criteria.



점화코일 장치 제어기판 (PHCC-Plug Hole Coil Cassette)

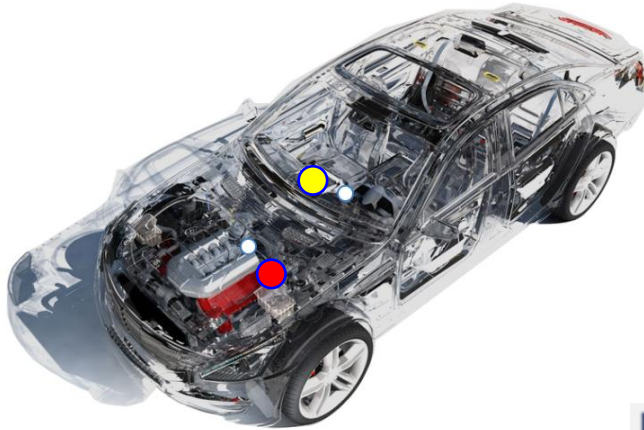


PHCC-Plug Hole Coil Cassette

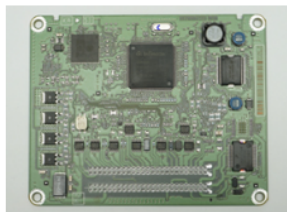
o Function
the ignition coil converts the car battery's low voltage (typically about 12 V) into the very high voltage needed to create a spark at the spark plug (often 20,000–50,000 V or more).

o Feature
embedded ignition circuit
designed for GDI engine
applied low noise
3 or 4 cylinders head of engine
variable type

o How to work
The ignition coil is used during the ignition event of each engine cycle in a gasoline (spark-ignition) engine.



엔진 컨트롤러 모듈 제어기판
(ECM-Engine Control Module)



ECM-Engine Control Module

o Function

a parking brake system that uses electric motors and electronic controls instead of a traditional hand lever or foot-operated parking brake.

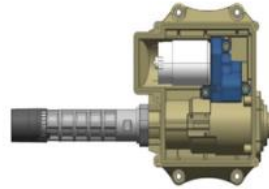
o Feature

high stabilization and convenience
high interior design
light weight give high oil fuel efficiency

o How to work

An electronic parking brake (EPB) works by using electric motors controlled by an ECU to apply and release the vehicle's parking brakes instead of a mechanical lever or cable.

전자식 파킹브레이크 제어기판 (EPB-Electric Park Brake)



EPB-Electric Park Brake

o 개요

기계적인 방법이 아닌 스위치 작동을 통해 주차 브레이크를 작동시키는 브레이크 시스템

o 특징

- 뛰어난 안정성 및 운전자 편의 증대
- 핸드브레이크를 대체하여 인테리어 디자인 향상
- 경량화를 통한 연비 향상

o 작동원리

제동 시스템은 운전자의 의지에 따른 차량 감속/정지/주차 상태를 가능하게 장치

차체 자세 제어장치 (ESC-Electronic Stability Control)





3. Product lines

Equipment and SMT line

Equipment and SMT Line

SMT LINE

☞ 정보산업 SMT LINE 보유 내역

- SMT 6 LINE [Hanwha, YAMAHA Chip Mount / Chip Mount #2~#3 Mount for each SMT line]
- SPI & AOI 6 LINE [SPI & AOI 3D _ Pemtron & Koyoung]



#6 LINE



#5 LINE



#4 LINE



#3 LINE



#2 LINE



#1 LINE

load factor

- a load factor since 2025Y **SMT 75%**
- except SMT load factor
FCT/coating/router : **50%~70%**

Equipments

1. major equipment						2. measurement tool					
NO	설비명	MAKER	수량	능력(용량)	비고	NO	설비명	MAKER	수량	능력(용량)	비고
1	Chip Mount	Yamaha	1	YRM20	High Speed	1	표면저항지시기	DESCO	1	19788	
		Yamaha	1	YSM10	이형	2	DIGIMATIC CALPER	MITUTOYO	3	500-153	
		Hanwha	3	DECAN S2	High Speed	3	SHOE TESTER	SINHAN	1	ESC-670	
		Hanwha	2	SM481 PLUS	이형	4	정전기 측정기	SIMCO	1	FMX-004	
		Juki	2	KE-2070M/50RM	High Speed	5	SOLDERING TESTER	HAKKO	1	FG-101	
		Juki	3	KE-2080M/60/20	Tray	6	도막측정기	CEM	1	DT-156	
2	SPI	Kohyoung	3	KY8030-2	3D	7	다이얼 인디게이터	MITUTOYO	1	513-404	
3	AOI	Pemtron	3	Troi-7700EL	3D	8	정전기/이온 측정기	MONROE	1	287B	
		Pemtron	3	Eagle 3D-8800HSL	3D	9	조도계	BLUEBIRD	1	BO-813A	
		Kohyoung	2	ZENITH UHS	3D	10	Digital Multi Meter	BLUEBIRD	1	BT-619	
4	Inkjet Marking	Saki	1	BF18H-MVT	2D	11	절연 시험기	STATIC LOOKS	3	PST-001	
		STS	5	INK-1400S	Inline	12	솔더페이트 점도계	MALCOM	1	PCU-205	
5	Laser Marking	Kiheung FA	2	KIJ-900Y/KJR-900S	Offline	13	REFLOW PROFILER	㈜유아시스	1	UI-301A	
6	Router M/C	Eunil	1	ELM-800	Offline	14	산소농도측정기	유아시스	1	UI-301A	
7	Wave Soldering	impec	2	PRS-4100D	Auto	15	Wave Checker	유아시스	1	UI-351A	
		Mstech	2	ECM-2PB	Semi Auto	16	TENSION GAUGE	PROTEC	1	STG-75D	
8	Robot Soldering	TSM	3	HS02-3000		17	SMT Multi Meter	UNI-T	1	UT116C	
9	Robot Soldering	우일FA	2	UNIX-413R	Offline	18	ELECTRIC BALANCE	AND	2	FX-200i	
10	X-RAY	NS SYSTEM	1	X-eye 5100F	Offline	19	TORQUE TESTER	CEDAR	1	CD-100M	
11	FCT	캐림,온텍,AT전	13	N/A		20	Calibration Target	Pemtron	1		
12	ICT	기흥FA,Eunil	5	N/A	Offline		Calibration Target	Kohyoung	1	FOON-1568	
13	ICT//FCT	코아솔루션	1	CST-4050	Inline						
14	용착	JNS	2	APM-FF75DMK2	7.5KW						
15	Coating M/C	반석	1	N/A	Offline						
		Eunil , TTns	2	ECM-120	Inline						
16	PRESS	현대기전	2	CETTA-20							

1F layout

▷ 1F layout

incoming raw material → SMT → ICT → coating → selective → router & press → outgoing inspection → outgoing warehouse

1F REV 19.0_230710



plottage : 8,629m²

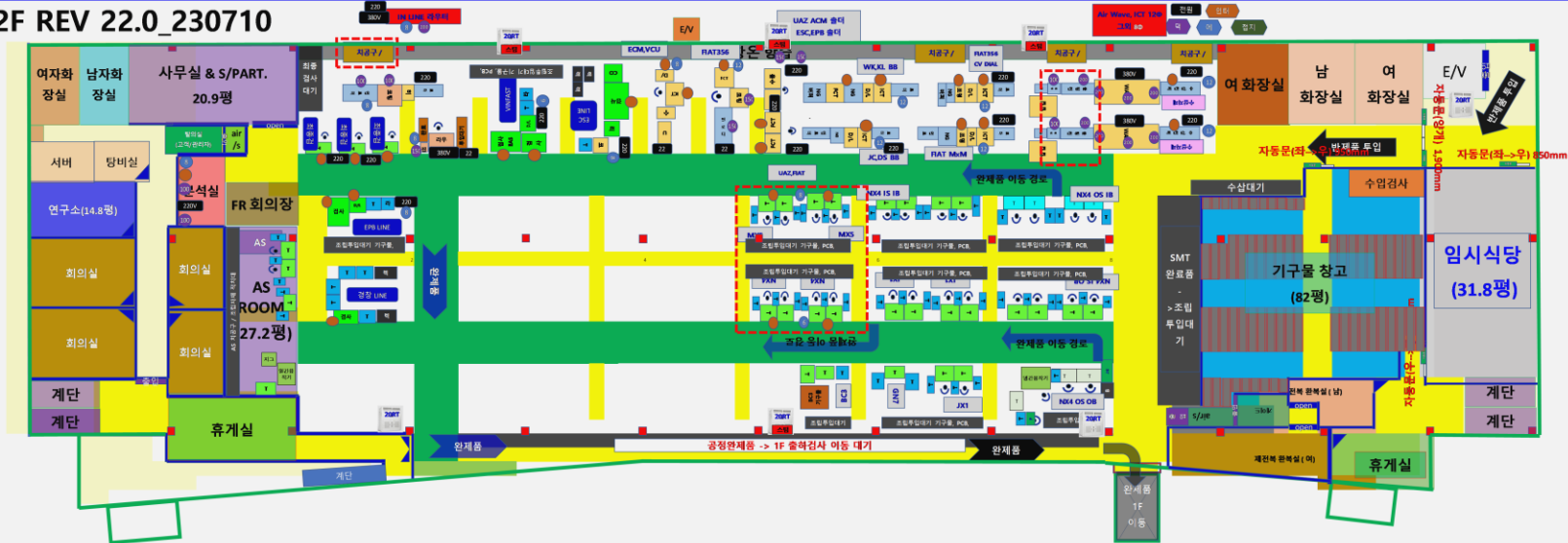
1F building area : 3,630m²

2F layout

▷ 2F layout

case warehouse → assembling → lighting test / AS Line
→ wave & robot soldering → ICT / DL / FCT → router → final inspection

2F REV 22.0_230710



plottage : 8,629m²
2F building area : 3,630m²



garden

수전설비

3F layout

Investment

▶ SMT & IN-LINE → increase CAPA 증대 & minimize night working



1. One by one MFG.

- 1) Laser mark per **every single PCBA**
(On inserting to product line)
- 2) Control by TID label

2. Proof MFG.

(set up 4M control program before producing)

- 1) MSL components control program
- 2) Solder paste control program
- 3) Metal mask & squeegee control program
- 4) Wrong components detection program
- 5) 1st sample / master sample check
- 6) Detect different function program
- 7) Jig / Fixture control program

3. Process MFG.

(Unprocessed product detection system)

- 1) Check pervious process history
- 2) Check reworks history

4. Traceable system

- 1) Trace by **2D code** (product history)
 - Product history and components history
 - Tested logs
- 2) Trace by components packing TID Label or lot No.
 - control with FIFO

5. Control product line environment

- 1) Keep constant **temperature and humidity**
- 2) Control **static electricity**
 - for man and machine ... floor as well
- 3) Clean environment

7. Certificate

- 1) IATF 16949
- 2) ISO 14001
- 3) BIQS(L-3)
- 4) IPC-A-610(CIS/operator)
- 5) VDA 6.3 (Sub-Supplier Mgt.)
- 6) SQ
- 7) under preparing iNARTE (for ESD)

6. Education & training

- 1) Novice training course
- 2) Multi-functional operator (Database)
 - Field practice, test and certificate
- 3) Instructor for multi-functional operator
 - 4 level course (based on BIQS)
- 4) Automotive class : Core Tool course



2S MES

(주)성보산업

Manufacturing Execution System



기준정보



제품관리



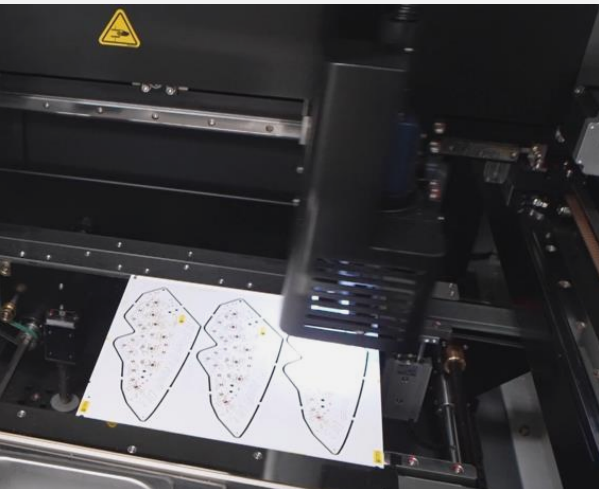
자재관리



생산관리



구매관리



4. QA system

품질시스템인증서 IATF 16949:2016

인증번호: RTS1578
IATF 번호: 0512649

km3

Certificate of Registration
품질경영시스템 인증서

(주) 정보산업

경북 구미시 1공단로6길 151-3
IATF USI: TWW236

적용표준
IATF 16949:2016

인증범위
전자부품의 제조(전자제어유닛)

허용된 제외 요구사항: 8.3 (제품 설계)

위와 같이 품질경영시스템 표준에 적합함이
한국경영인증원에 의해 인증되었음을 증명함.

2024년 4월 23일

인증승인일자: 2024. 4. 23. 인증만료일자: 2027. 4. 22.

km3 **IATF** (주)한국경영인증원

한국경영인증원
서울특별시 양천구 양천로775(본동로337)
제1사무실(제1관) 1층 1204호
T: 02)6309-9001 / F: 02)6309-9004

· 이 인증은 IATF로부터 인정되었음을 나타내는 마크입니다.
· 최초인증일자: 2024. 4. 23 / 최초인증승인일: 미문 발급

환경경영시스템 인증서 ISO 14001:2015

인증번호: REM2536

km3

Certificate of Registration
환경경영시스템 인증서

(주) 정보산업

경북 구미시 1공단로6길 151-3

적용표준
KS I ISO 14001:2015/ISO 14001:2015

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2025년 4월 11일

인증승인일자: 2025. 4. 11. 인증유효일자: 2028. 4. 10.

km3 **ISO 14001** **IAF** **KMD** (주)한국경영인증원

한국경영인증원
서울특별시 양천구 양천로775(본동로337)
제1사무실(제1관) 1층 1204호
T: 02)6309-9001 / F: 02)6309-9004

· 이 인증은 한국경영인증원(KMD)에 의해 인정되었음을 나타내는 마크입니다.
· 이 인증은 국제 인정원(IAF)의 국제 인정원(ISO 14001:2015)에 의해 인정되었음을 나타내는 마크입니다.
· 최초인증일자: 2024. 4. 11 / 최초인증승인일: 미문 발급

SQ 인증서 (경차산업 : 2020)

SQ
SUPPLIER QUALITY

CERTIFICATE OF SUPPLIER QUALITY
인증번호: EL499

SQ 인증서

회 사 명 : 정보산업
대표자명 : 김영익, 정성훈
사업자번호 : 5138104817
업 체 코 드 : #4CT3
회 사 주 소 : 경상북도 구미시 1공단로6길 151-3(경단동)

인증업종 : 전자(납땜)
인증등급 : G
사업장코드 : #4CT301

**협력사 품질평가 규정에 의해
상기와 같이 SQ(협력사 품질보증)
요구사항에 적합함을 인증합니다.**

인증일자 : 2025년 04월 24일
유효일자 : 2026년 05월 31일 까지

◆ 주 관 : 경차산업(주)
◆ 후 원 : 현대자동차 · 기아

SUPPLIER QUALITY SUPPLIER QUALITY SUPPLIER QUALITY SUPPLIER QUALITY

BIQS LEVEL 3 (2018)

Built In Quality Supply based Certificate

귀사는 아래 오토모티브에서 Tier1에 대하여 시행하는
BIQS 인증심사 결과 하기 BIQS 전학의 요구사항에 적합함을 인증 합니다

성 보 산 업

★ 인증 등급 : Level 3 ★ 인증기간 : 2018.12.21 ~ 2021.12.21

erae Automotive

We keep **GREEN** level.

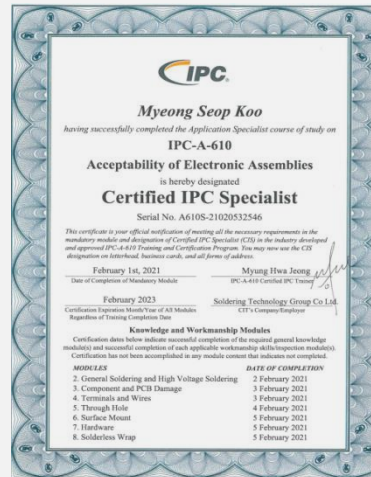
"NO RETURN, ZERO DEFECT"

Sub-Supplier Management (VDA 6.3)

Sub-Supplier Management (UL)				Question Evaluations		
Nr.	Product Group Description	PG-M	Evaluation	GREEN	YELLOW	P.O.
3610	Functional control for low voltage	VWK-S	YELLOW	10	8	0

[illegible]

◆ Specialist



Thank you.



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