

Company Introduction



HANBACK HIGH TECH

세상보다 더 빠른 변화 한백 하이테크에 있습니다.
차별화된 기술력을 바탕으로 고객감동을 실현합니다.



HANBACK HIGH TECH CO., LTD

1. Company Profile

Company Name

HANBACK HIGHTECH CO.,LTD

Established

1995.06.10

Total Employees

Automatic 10 / part 14

Business area

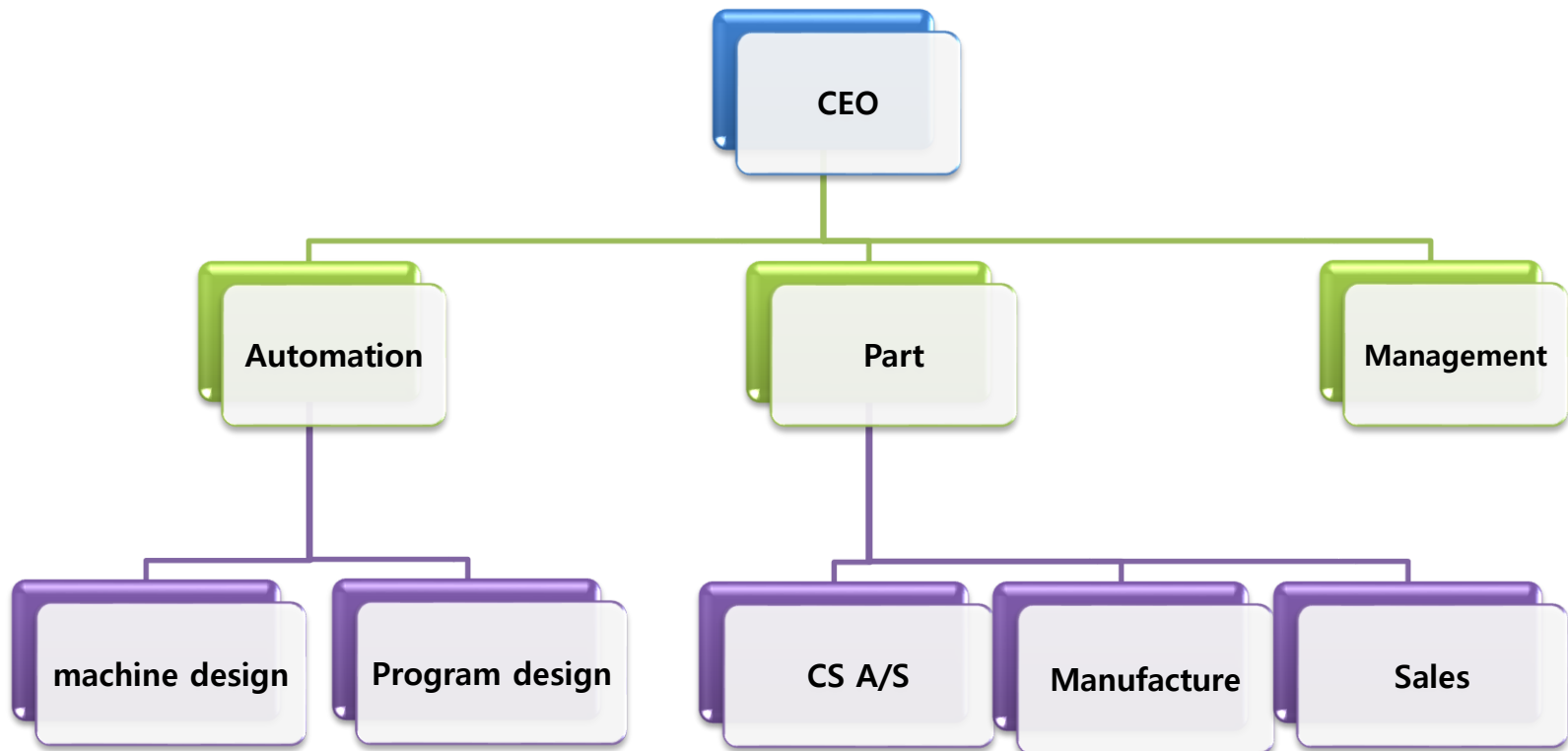
Factory Automation & Lead MLC Capacitor, EMI Filter

Address

190-1, Yuram-gil, Paltan-myeon, Hwaseong-si, Gyeonggi-do, Korea



2. Company organization



3. Company History

1995 / 06	한백자동화 설립 (경기도 안양)
/ 12	Ferrite Core Auto Production Line Development
1999 / 10	Feed Through Condenser Auto ass'y Production Line Development
2000 / 06	한백자동화 (화성) 준공 (대지 1200평 / 건평 297)
/ 07	Ceramic Capacitor Auto Production Line Development
2001 / 01	Hanback High Tech Co., Ltd. Corporate conversion
/ 05	Ferrule Auto Production Line Development
/ 08	EMI Filter Production Line Development
2003 / 02	Ceramic Capacitor (Radial/Axial) Production
	EMC Suppression (LC Filter) Production
2005 / 10	Bead Filter (Radial/Axial) Production
/ 11	Reel Taping / Changing M/C Development
2006 / 03	KS A9001:2001 / ISO9001:2000 Certified.
/ 08	Electronics Professional Company Admitted (부품, 소재 전문기업 Certified.)
2007 / 04	Business Innovation Admitted (경영혁신형 중소기업 Certified.)
/ 12	資本金 1億 増資
2008 / 01	LEAK 檢査器 Development
/ 03	Bolt Screw Coating MC Development
/ 04	L/F SMD 部品 特許出願
/ 05	MPP-Core Coating MC Development
/ 06	増築工事 進行中 (60坪 X 3層 = 180坪)
2009 / 07	SHEET 積層 包裝機 Development
2010 / 11	MIP 捲線組立機 Development
/ 12	Codensor 捲取機 Development
2014 / 06	ISO14001:2004 Certified. / INOBIZ Certified.

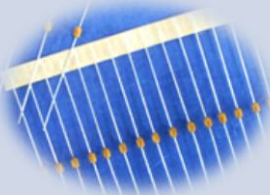
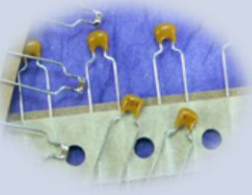
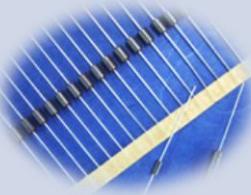
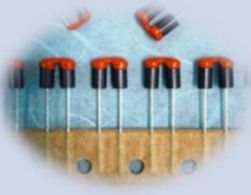
3-1. Company History

2015 / 06	Automotive Condensor Auto Line Development
/ 06	EDGE WIRE a molding machine Development
2016 / 11	Automotive Spring Tube a molding machine Development
/ 12	Automotive Sleeve PIN pressing machine Development
2017 / 02	Vision an inspection machine Development
/ 03	Auto Sample Changer mc Development (ASC-30) Radioactivity
2018 / 05	MLCC Alignment Mc (firing furnace Type) Development
/ 05	MLCC Alignment Mc (Cu firing furnace Type) Development
/ 06	MLCC Termination Mc Development
2019 / 01	Auto Sample Changer mc Development (ASC-21) Radioactivity
/ 05	Automotive dc-link capacitor line Development
2021 / 06	Chip Alignment Machine (for ultrasonography Inspection)

Product Part

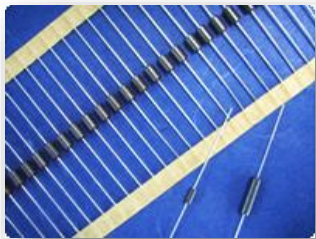
1. Product

LEAD MLCC & EMI FILTER

	Axial-mlcc	Radial-mlcc	L/C Filter	Axial-Bead	Radial-Bead
Production item					
Apply Set	Monitor, TV OA, Etc		LCD Contrast DVD TCXO, SMPS	TV, LCD, OLED SMPS, LED PSU SERVER POWER	
Capacity (EA)	6,000,000	10,000,000	1,000,000	20,000,000	10,000,000

1-1. Product Application

EMI BEAD FILTER



TV SMPS

SERVER POWER SMPS

LED POWER

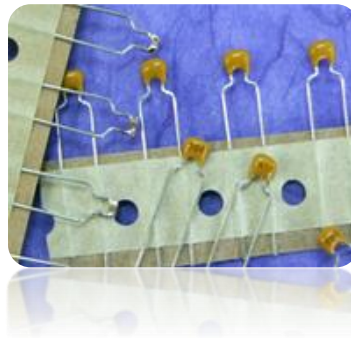
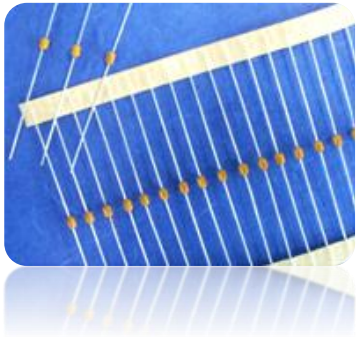
DIGITAL POWER METER



1-2. Product Application

LEAD MLCC CAPACITOR

LEAD MLC CAPACITOR



1-3. Customer

SAMSUNG ELECTRONICS Partner



Application

LED TV(Edge, 직하), MONITOR(LFD)

UHD-TV, Monitor(LFD)

OLED-TV

SOLU M

Hansol
한솔테크닉스



POWER NET
Display & Mobile Devices Xpert



1-4. Customer

LG ELECTRONICS Partner

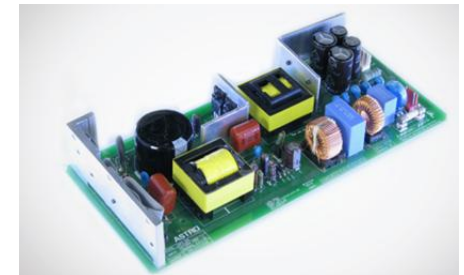


Application

LED TV(Edge,직하), MONITOR(LFD)

UHD-TV, Monitor(LFD)

OLED-TV

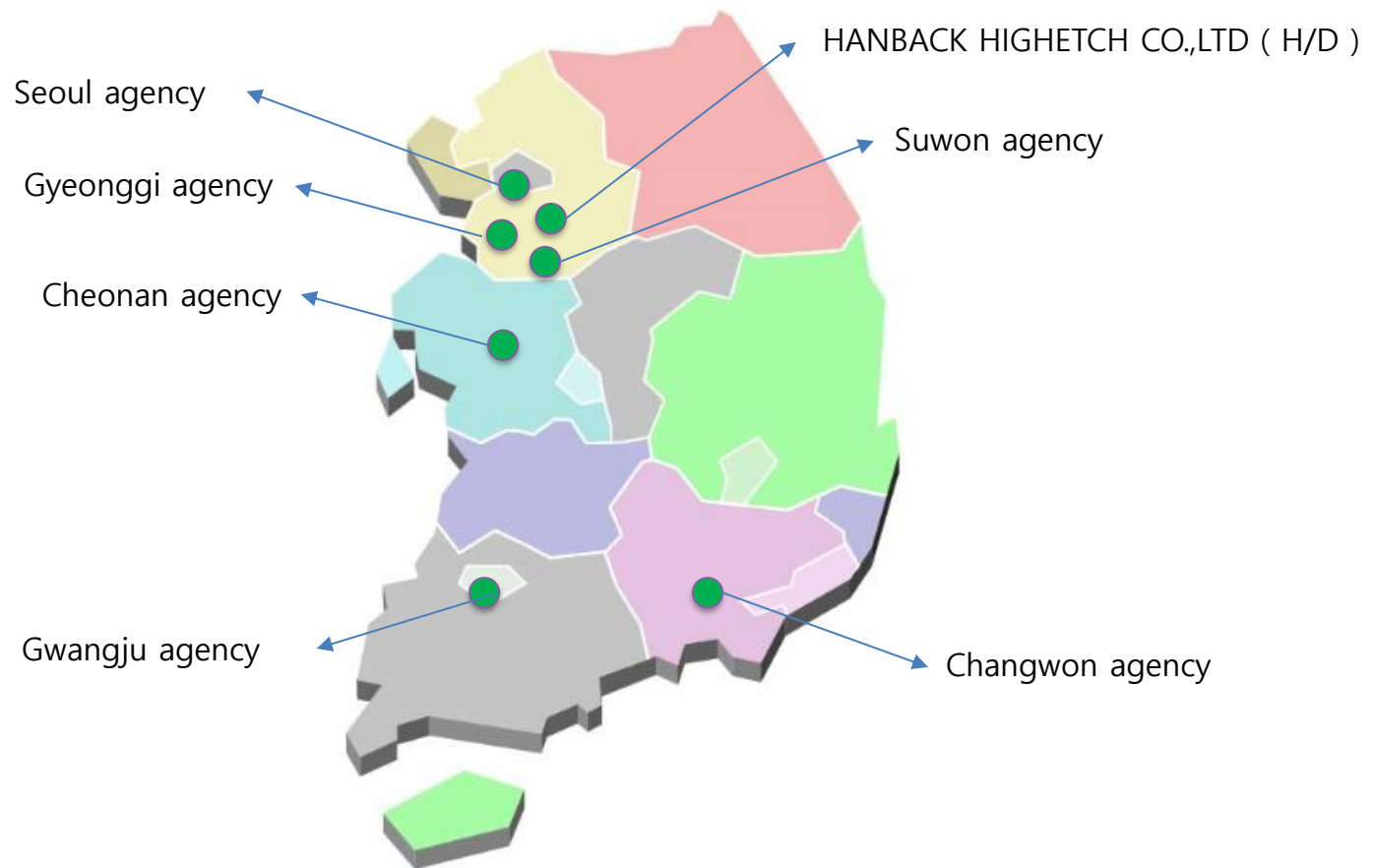


1-5. Customer

Export Partner



1-6. Production Agency

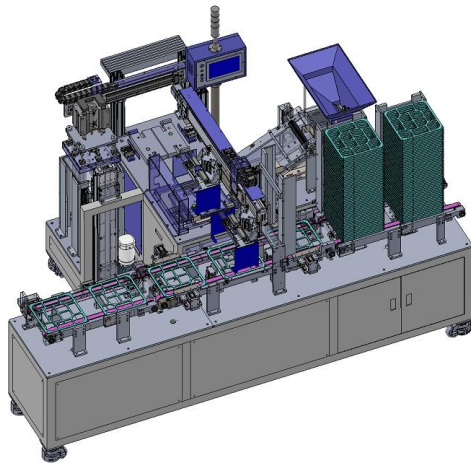


Automation Part

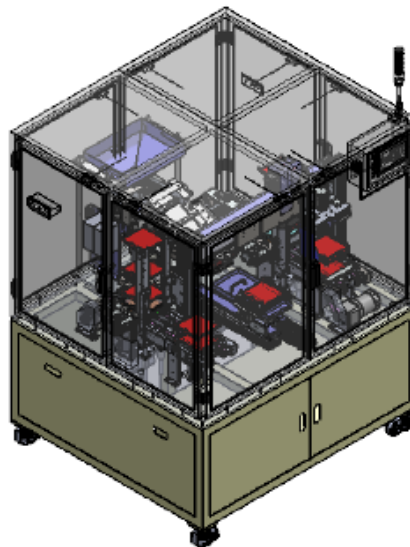
- 1. MLCC Part**
- 2. Automotive Capacitor Part (Dc-Link)**
- 3. Nuclear Power Part (production inspection)**
- 4. Ceramic Part**
- 5. Ferrite Part**
- 6. ETC Part**

1-1. Automation

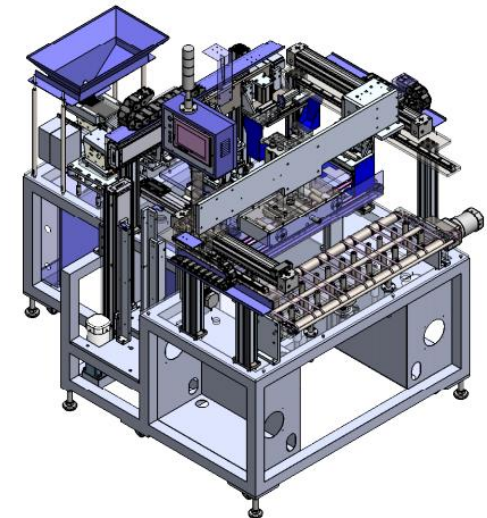
MLCC Part



Auto Loading (CHIP)



Auto Loading (CHIP)



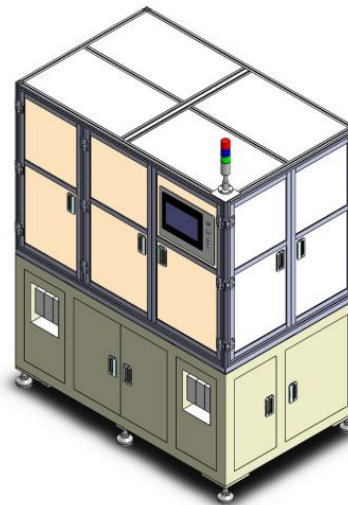
Auto UNLoading (CHIP)

1-2. Automation

MLCC Part



Termination MC (CHIP)



CHIP Chip Sorting Machine
(an ultrasound examination)



REEL TAPING MC (CHIP)

2-1. Automation

Capactor Part

HYUNDAI
MOBIS

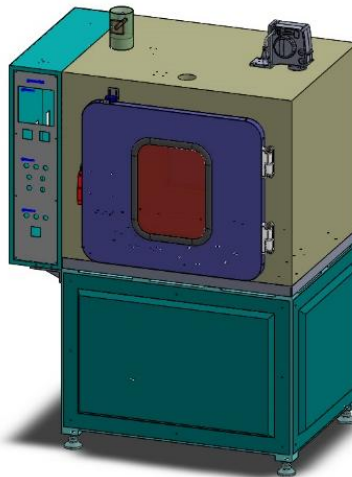
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TECHNOLOGIES

RIVIAN

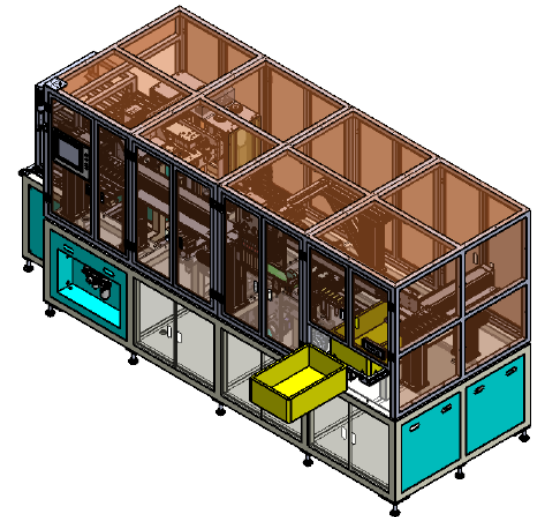
SAI WHA 삼화콘덴서



Film Winder MC ((film capacitor)



HOT Press (film capacitor)



AUTO TAPING (film capacitor))

2-1. Automation

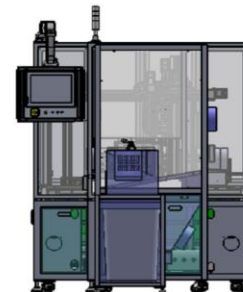
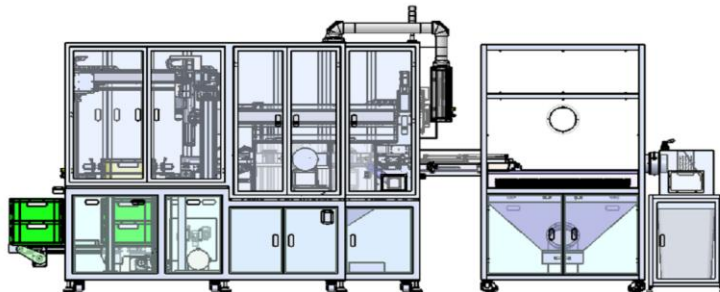
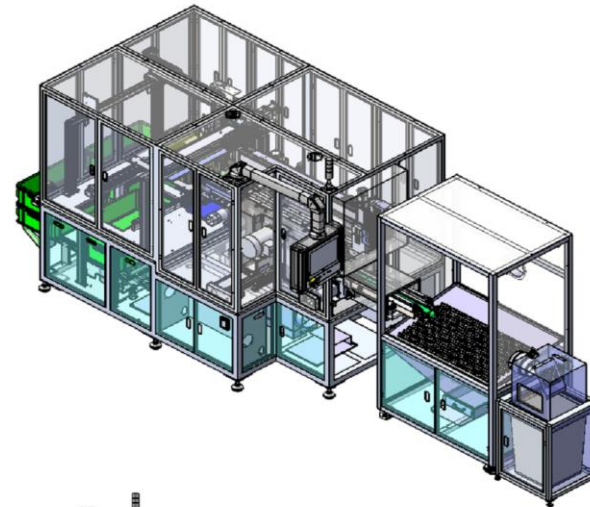
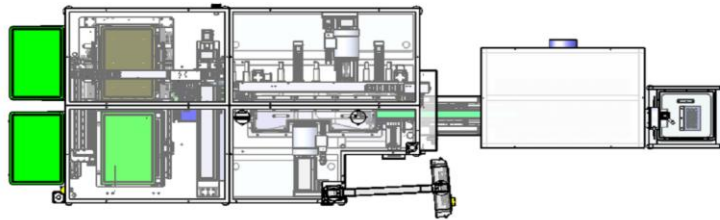
Capactor Part

HYUNDAI
MOBIS

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TECHNOLOGIES

RIVIAN

SAI WHA 삼화콘덴서



소자 정품기 ((film capacitor)



2-2. Automation

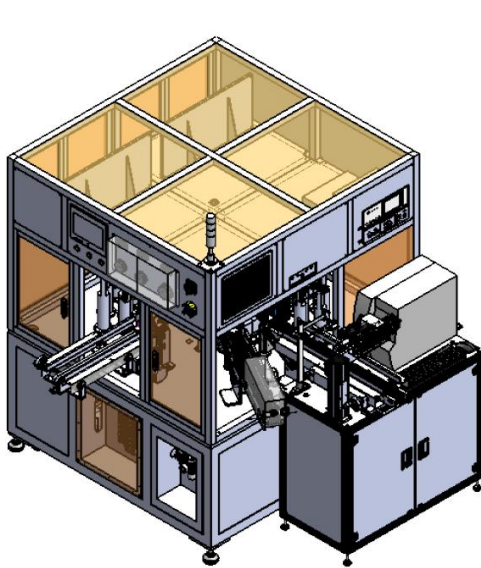
Capactor Part

HYUNDAI
MOBIS

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TECHNOLOGIES

RIVIAN

SAMWHA 삼화콘덴서



CLEARING MC
(DC-LINK CAPACITOR)



자동 절연지 부착기
(DC-LINK CAPACITOR)

2-2. Automation

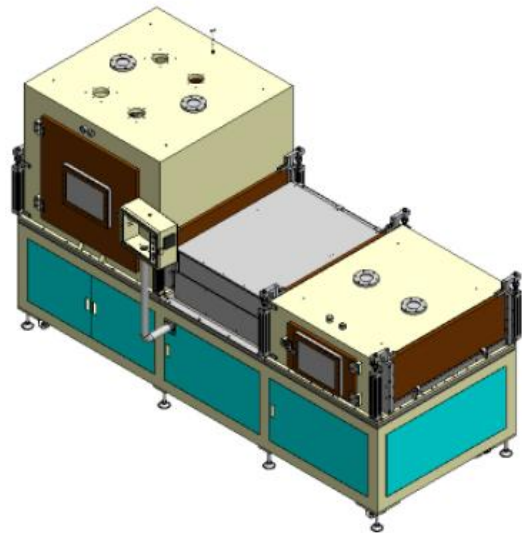
Capactor Part

HYUNDAI
MOBIS

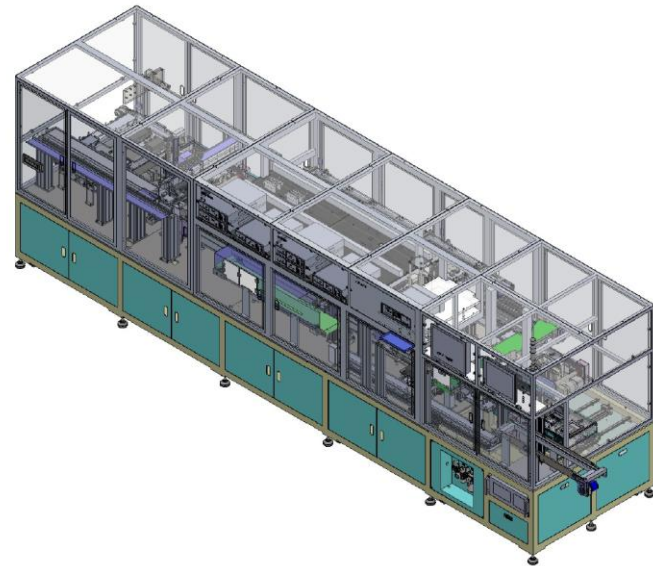
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TECHNOLOGIES

RIVIAN

SAMWHA 삼화콘덴서



EPOXY Filling MC
(DC-LINK CAPACITOR)



Voltage withstand characteristic
tester (DC-LINK CAPACITOR)

2-3. Automation

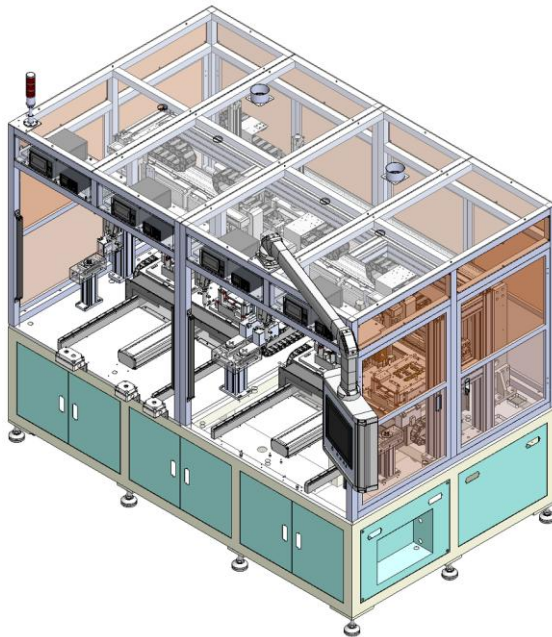
Capactor Part

HYUNDAI
MOBIS

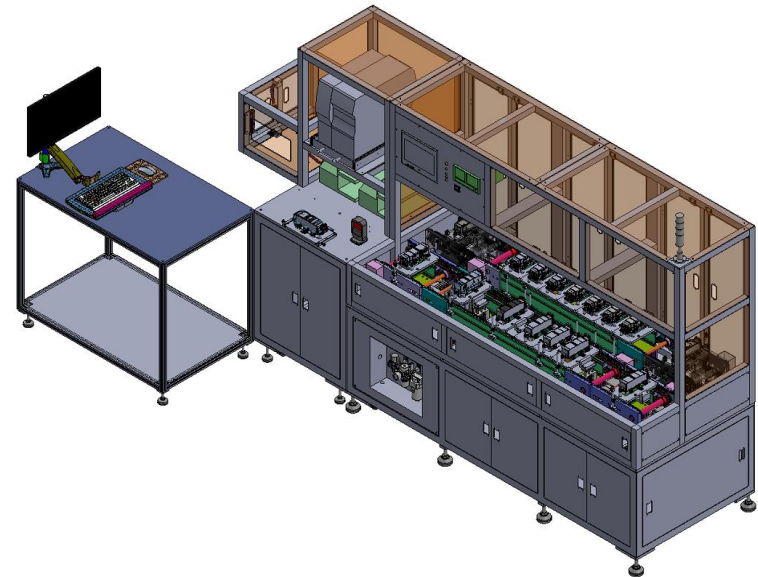
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TECHNOLOGIES

RIVIAN

SAMWHA 삼화콘덴서



AUTO SOLDERING MC
(DC-LINK CAPACITOR)



Case assembler MC
(DC-LINK CAPACITOR)

2-4. Automation

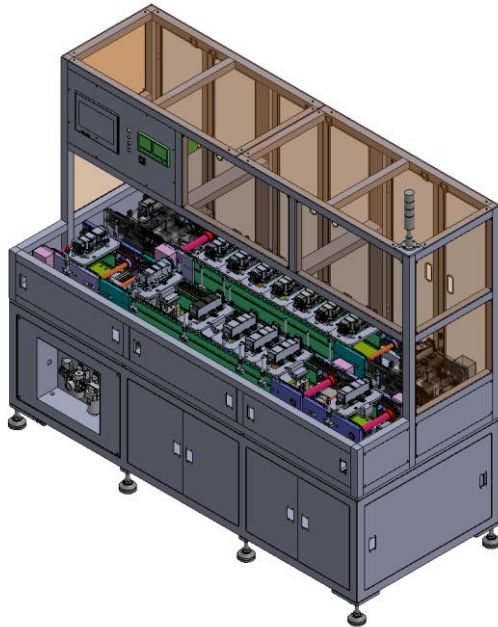
Capactor Part

HYUNDAI
MOBIS

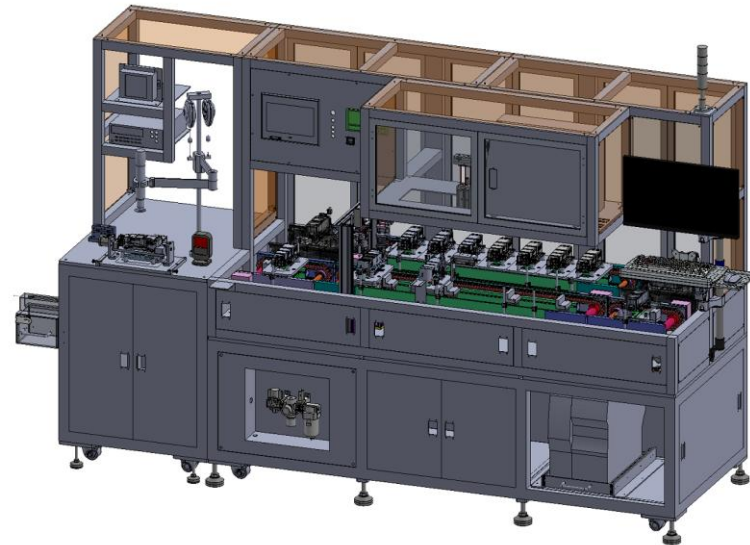
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TECHNOLOGIES

RIVIAN

SAMWHA 삼화콘덴서



Product Inspection MC
(DC-LINK CAPACITOR)



Final Examiner MC
(DC-LINK CAPACITOR)

2-4. Automation

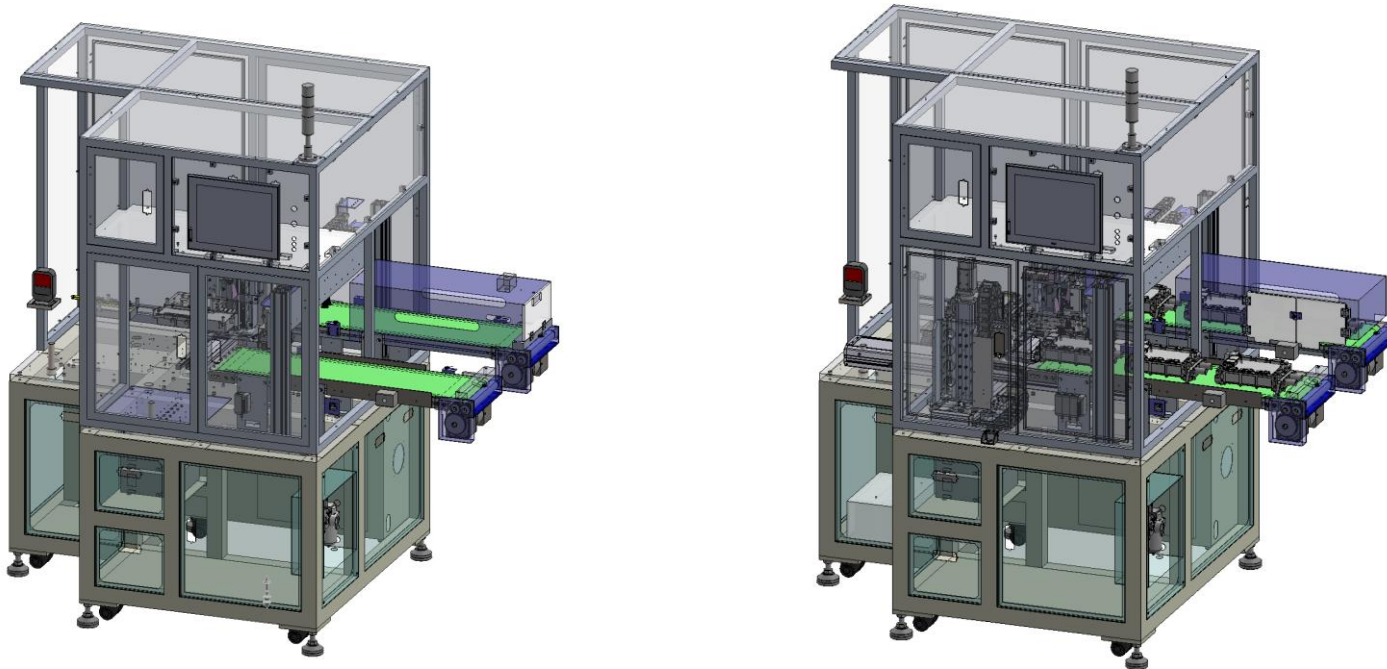
Capactor Part

HYUNDAI
MOBIS

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TECHNOLOGIES

RIVIAN

SAMWHA 삼화콘덴서

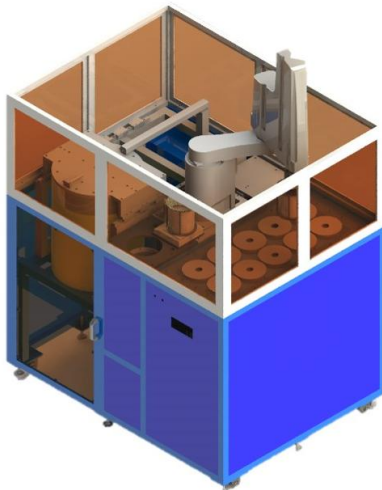
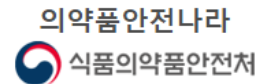


QCI 검사기
(DC-LINK CAPACITOR)

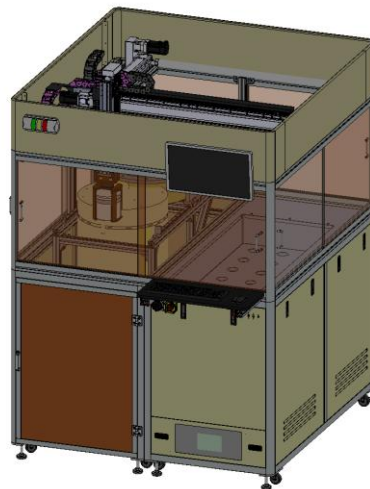
3-1. Automation

Nuclear Part

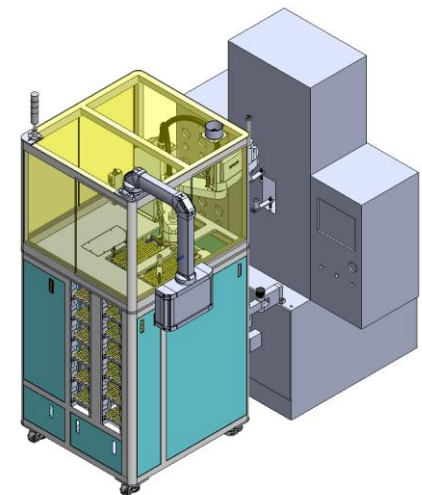
Nuclear Radiation Test MC



AUTO SAMLE CHANGER MC
(ASC-30)



AUTO SAMLE CHANGER MC
(ASC-21)

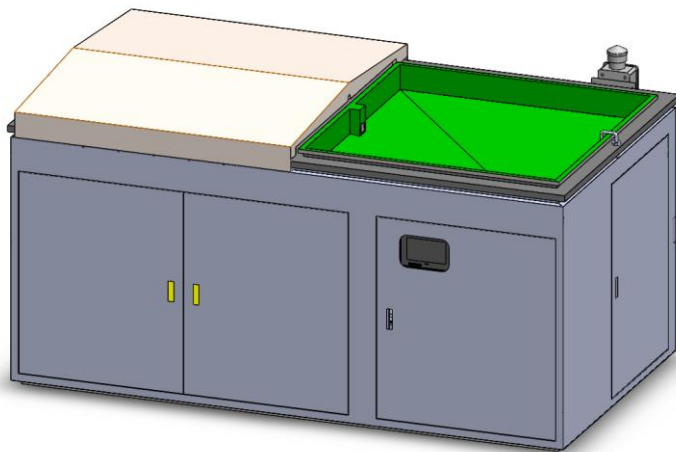
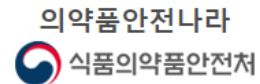


Automatic Loading system

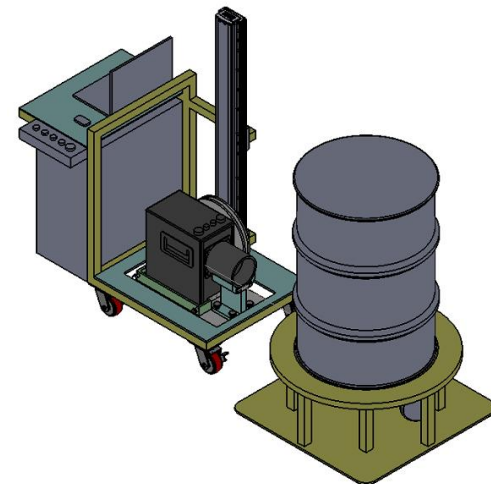
3-2. Automation

Nuclear Part

Nuclear Radiation Test MC



Rainfall fallout collection
equipment



Drum analysis device

4-1. Automation

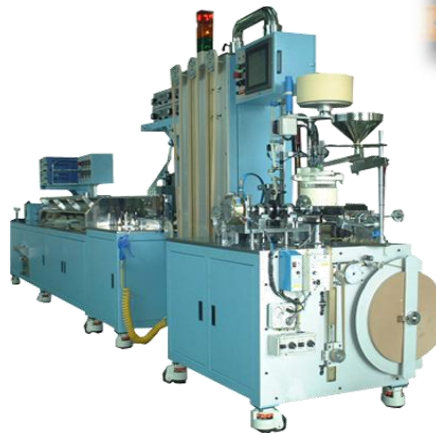
CERAMIC Part

 **삼화콘덴서**

 **삼화전자**



VISION MC (BEARING)



LC FILTER Ass'y & MC



DISC CREAMIC Ass'y & loading

4-2. Automation

CERAMIC Part



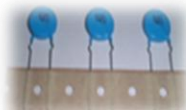
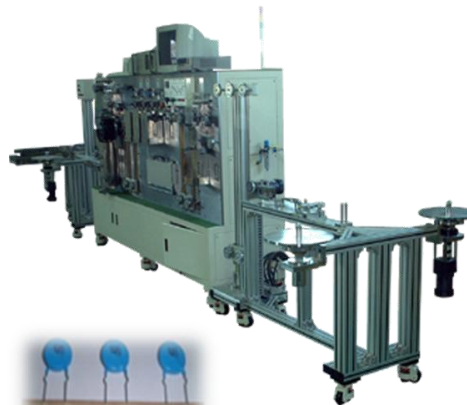
삼화콘덴서



삼화전자



DISC CREAMIC COATING MC



DISC CREAMIC voltage tester



HF Condenser ASS'Y MC

5-1. Automation

Ferrite Part



CORE LOADING MC



CORE LOADING MC (RU)



CORE COATING MC (MPP CORE)

Ⅲ. 自動化事業部 紹介

Ferrite Part

● Core Auto Loading M/C(Mn-Core)



SPEC

Application Item	Ferrite Core L:10~40mm, W:10~35mm, H:5~45mm
Core Loading Type	Vacuum (Air)
Conveyor Motor	Speed Control Motor (25W)
Vacuum Type	Blower Vacuum (Air)
Cart Type	2 Step 9 Row
Cart Movement Motor	Break Motor (90W)
RPM(Max~Min)	20~35 EA
Filling Volume (Max~Min)	5~6 Kg/cm ³
OP Box Type	Touch Operation Panel
Main Control Type	P L C Control
External Dimension	1,200(L) X 1,200(W) X 1,682 (H)
Net Weight(Kg)	800Kg
Main Power	220V 60Hz 1Hp / 380V 3HP 60Hz

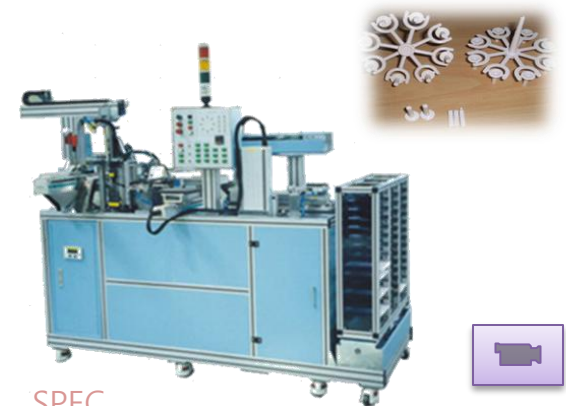
● Core Auto Loading M/C(Ar-Core)



SPEC

Application Item	Ferrite Core Ø Ø2~ Ø8 L : 15~40mm
Core Loading Type	Magnet Loading/Unloading
Vacuum Type	Magnet
Cart Type	Sagger In : 12~15 Step Out : 12~15 Step
Loading RPM (Min~Max)	20~35 EA
Filling Volume (Max~Min)	5~6 Kg/cm ³
OP Box Type	Switch Operation Panel
Main Control Type	P L C Control
External Dimension	1,200(L) X 1,200(W) X 1,682 (H)
Net Weight(Kg)	1300Kg
Main Power	220V 60Hz 1HP

● Ferrule Cutting & Loading M/C



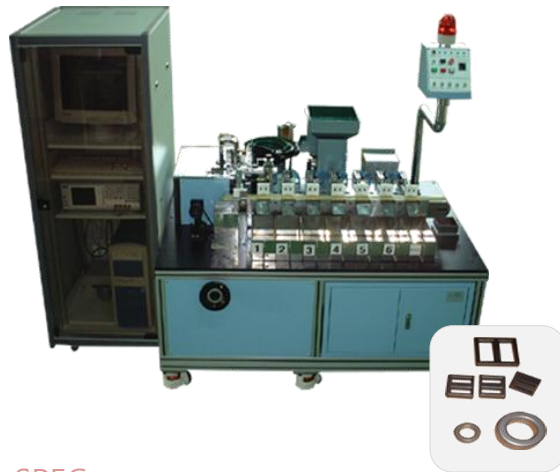
SPEC

Application Item	Ferrite Core Ø Ø2~ Ø3 L : 10~20mm
Cart Type	3 Step / 10Row
Ferrule Loading Type	Vacuum Type
Loading RPM (Min~Max)	20~35 EA
Filling Volume (Max~Min)	5~6 Kg/cm ³
OP Box Type	Touch Operation Panel
Main Control Type	P L C Control
External Dimension	1,200(L) X 1,200(W) X 1,682 (H)
Net Weight(Kg)	850Kg
Main Power	220V 60Hz 1HP

Ⅲ. 自動化学業部 紹介

Mpp-core Part

● Core Grade M/C(Small-Size)



SPEC

Application Item	MPP Core : Ø6~ Ø15 H : 2~8mm
Core Grade Type	100MHz 1V (L,Q) Grade
Grade RPM (Max~Min)	20~60 EA
Filling Volume (Max~Min)	5~6Kg/cm ³
OP Box Type	Operation Panel / Switch
Main Control Type	P L C Control / Cam
External Dimension	1,500(L) X 1,000(W) X 1,350(H)
Net Weight(Kg)	1,000Kg
Main Power	220V 60Hz 1Hp / 3Hp

● Core Grade M/C(Large-Size)



SPEC

Application Item	E Core : L : 10~35mm W : 10~35mm H : 5~35mm
Core Grade Type	100MHz 1V (L,Q) Grade
Grade RPM (Max~Min)	20~60 EA
Cart Type	2 Step / 10Row
RPM(Max~Min)	20~60EA
Filling Volume (Max~Min)	5~6Kg/cm ³
OP Box Type	Operation Panel / Switch
Main Control Type	P L C Control / Cam
External Dimension	2,450(L) X 1,240(W) X 1,800(H)
Net Weight(Kg)	1,300Kg
Main Power	220V 60Hz 1Hp / 3Hp

● Core Chamfering & Loading M/C



SPEC

Application Item	MPP Core : Ø28~ Ø58 H : 25~40
Chamfe RPM	20~60EA
Spindle Type	200W / 1,600 RPM/Max
RPM(Max~Min)	5~12EA
Filling Volume (Max~Min)	5~6Kg/cm ³
OP Box Type	Touch Operation Panel
Main Control Type	P L C Control / Cam
External Dimension	2,600(L) X 2,960(W) X 1,790(H)
Net Weight(Kg)	850Kg
Main Power	220V 60Hz 1Hp / 3Hp

6-1. Automation

Winding Part



EDGE WIRE Winding MC



INDUCTOR Winding
(SMD Inductor)



EMI Sheet Laminate M/C

7-3. Certified



THANK YOU !