

The best mechanical equipment and technology
Start of primary, secondary batteries and automation equipment
Kummyung Hi Tech



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CHAPTER 01

COMPANY OVERVIEW

01 Corporate Identity

02 History

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01 Chapter1. Company Overview

Corporate Identity

“Geummyung Hi-Tech” manufactures primary and secondary batteries and automation equipment based on the best technology

Stable machinery and equipment business

Business	1, 2nd battery automated production facility
Technology	Industry-leading 380PPM technology (S Company delivery completed))
Symbiotic cooperation	Samsung SDI SSP member
Man power	CEO with 40 years of experience, Industrial Award 30 years of experience as a technical director, former Samsung SDI production technology department

Major Clients

Samsung SDI

Order Performance 332 cases

*Samsung SDI SSP member company

LG Energy Solution

Order Performance 171 cases

CEO Profile

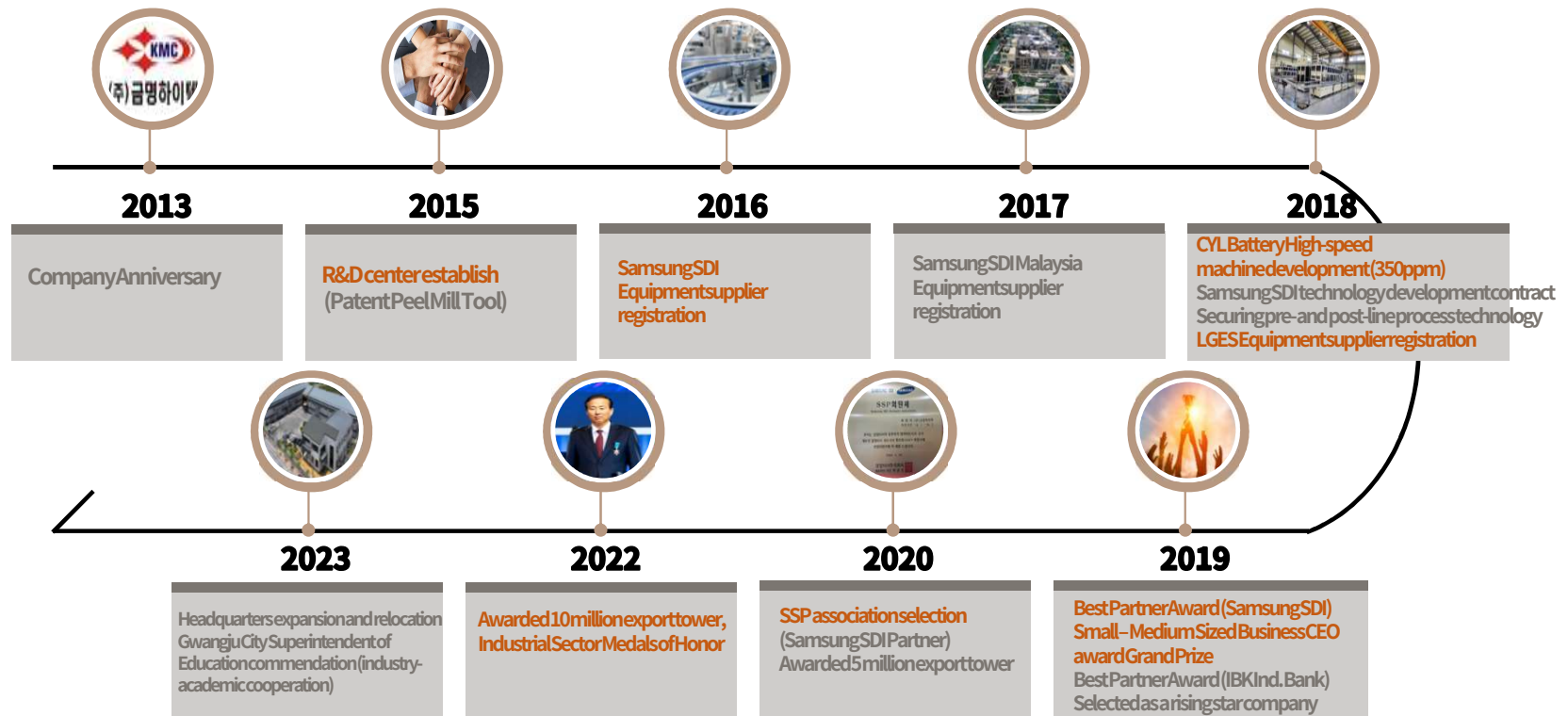


CEO In Myung Seo

- Former CEO of Rocket ENT
- MBA in Technology Management
- 59th Trade Day Industrial Packaging Award
- Small and Medium Business Management Award Best Award

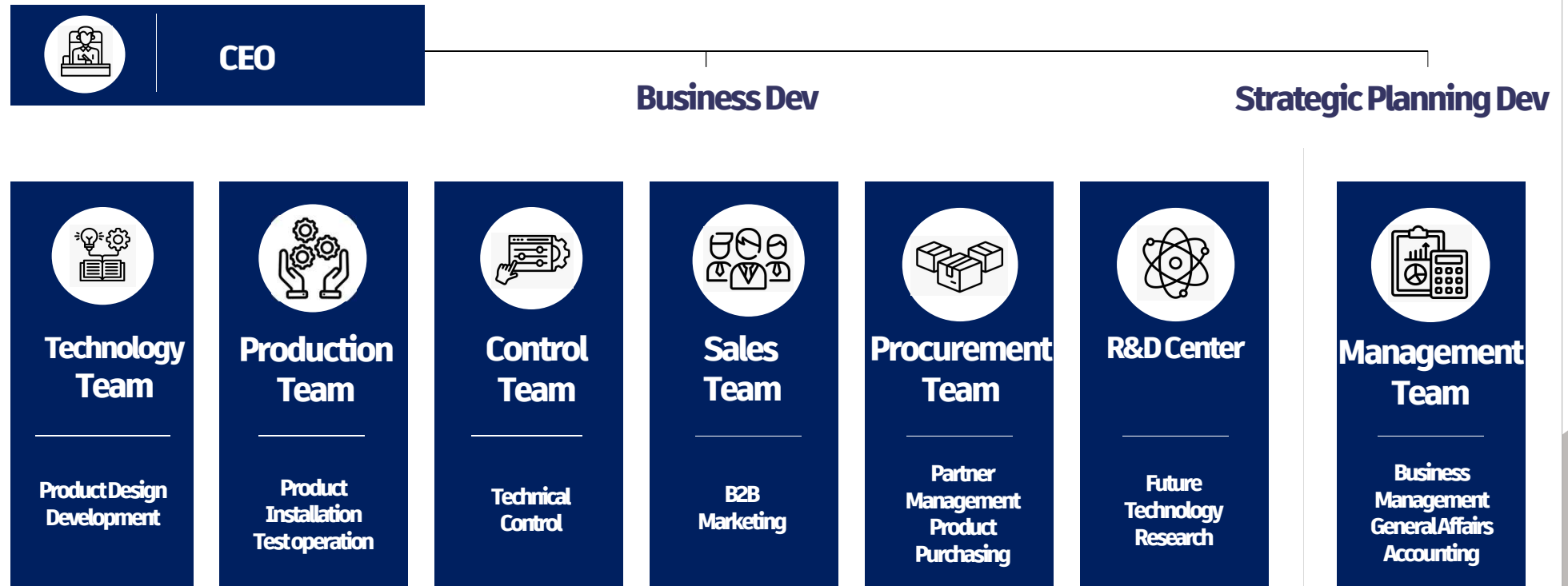
02

Chapter1. Company Overview History



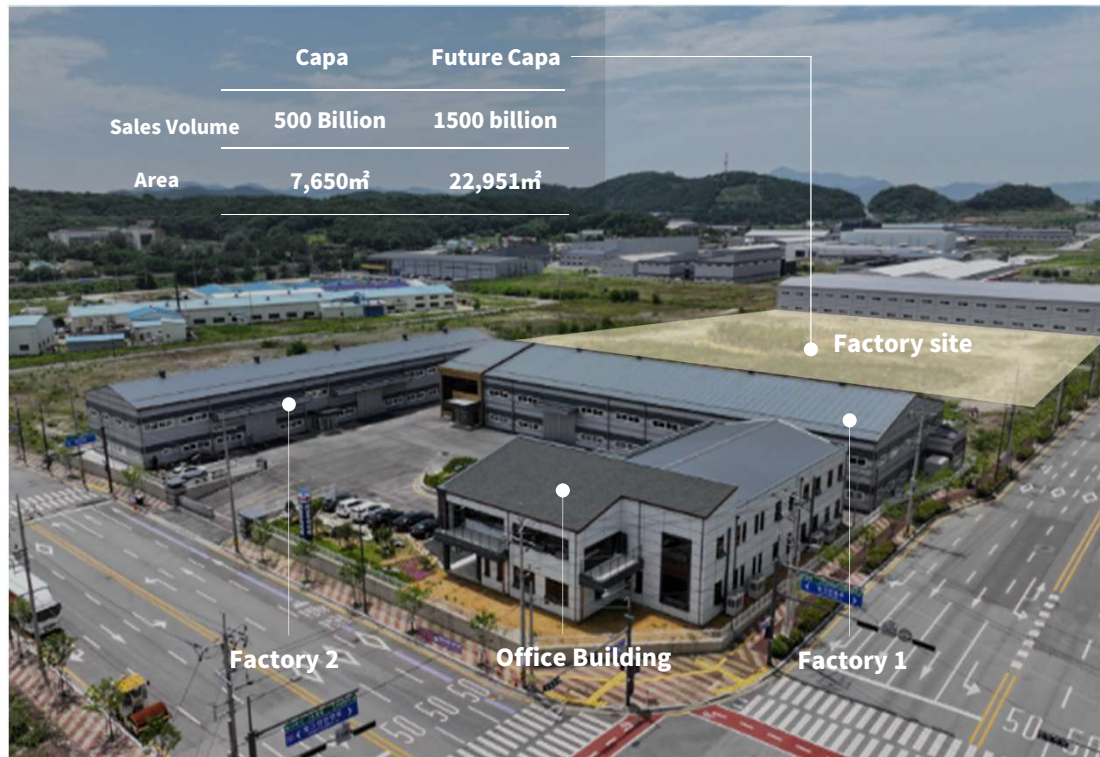
03

Chapter01. Company Overview
Org Chart



04 Chapter01. Company Overview

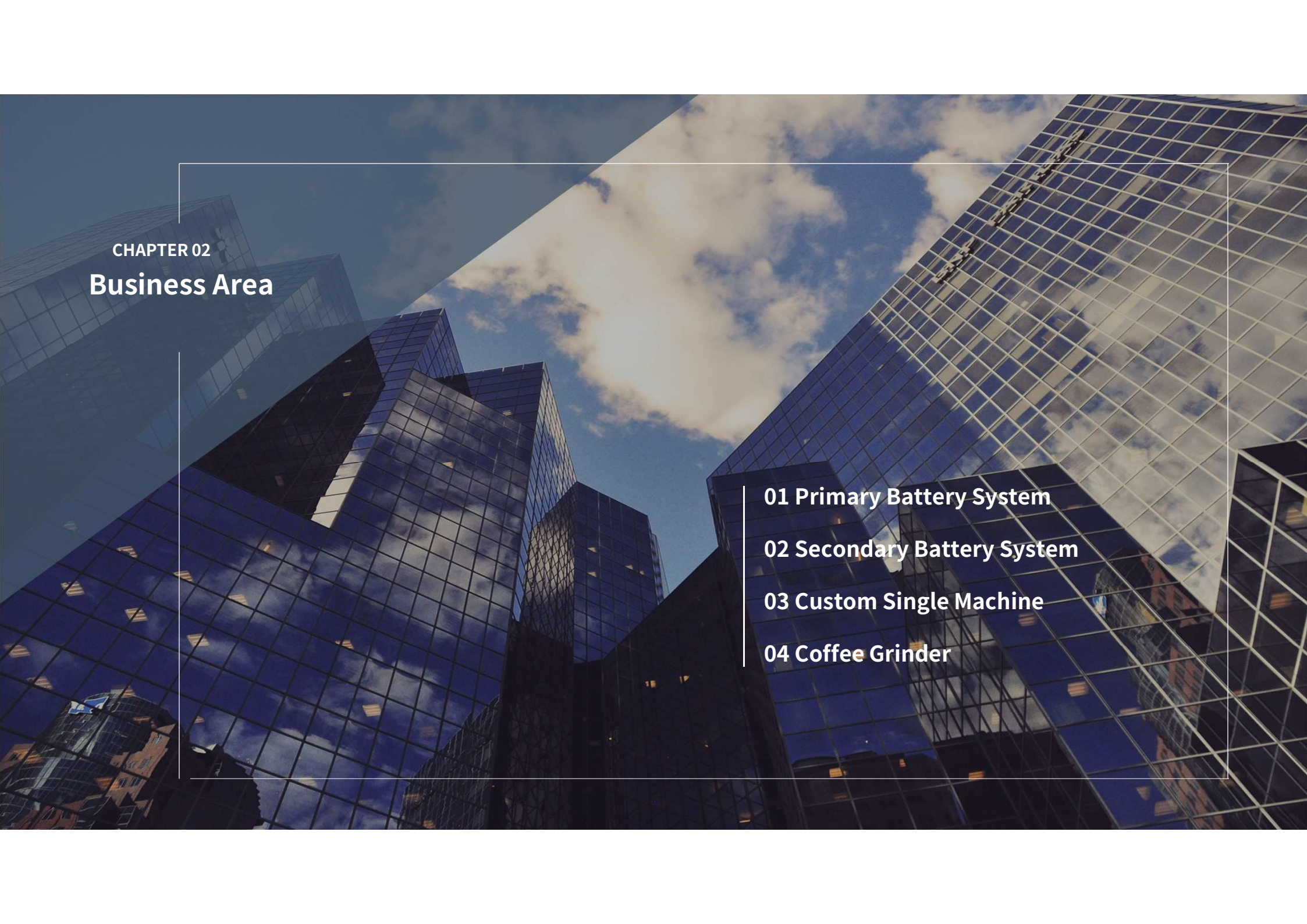
Factory Capa



(주)금명하이텍 전경

수출 현황





CHAPTER 02

Business Area

- 01 Primary Battery System
- 02 Secondary Battery System
- 03 Custom Single Machine
- 04 Coffee Grinder

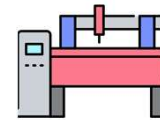
Business Area



**Primary battery
production System**



**Secondary Battery
Production system**



Custom Single Machine

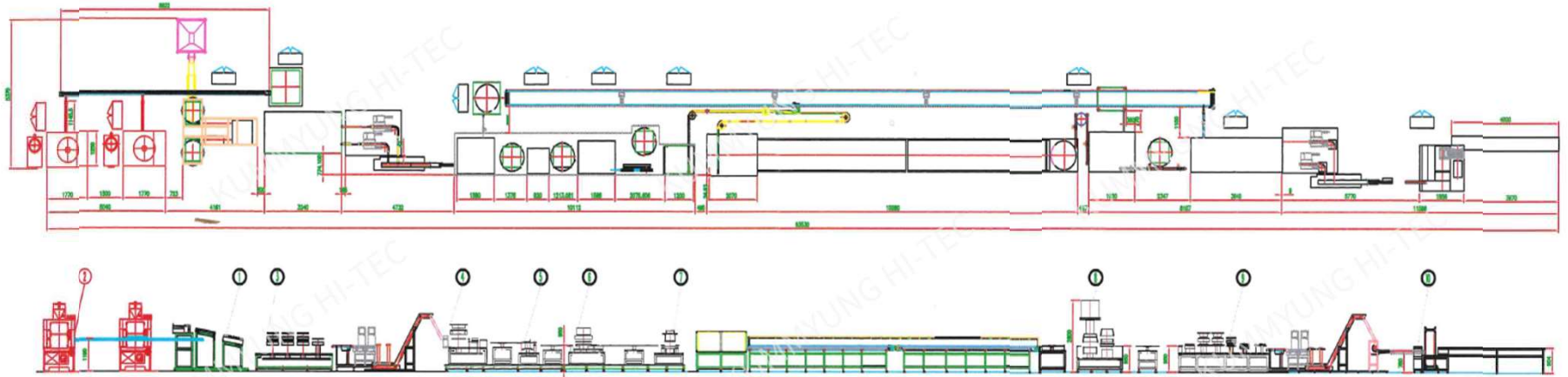
- Cartoner
- Packaging Machine
- Shrink Labeler
- Laser Welding
- Vision Inspection
- Lot, QR marking
- Washing Machine



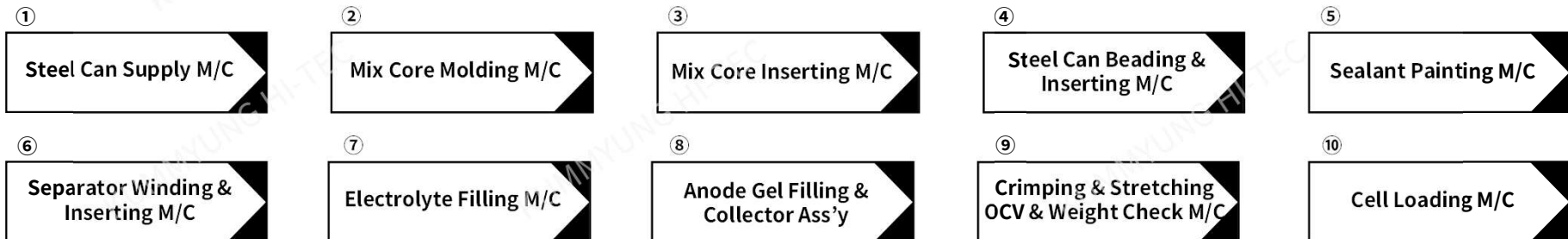
Industrial Coffee Grinder

01. Primary Battery System

DRAWING



PROCESS



LINE



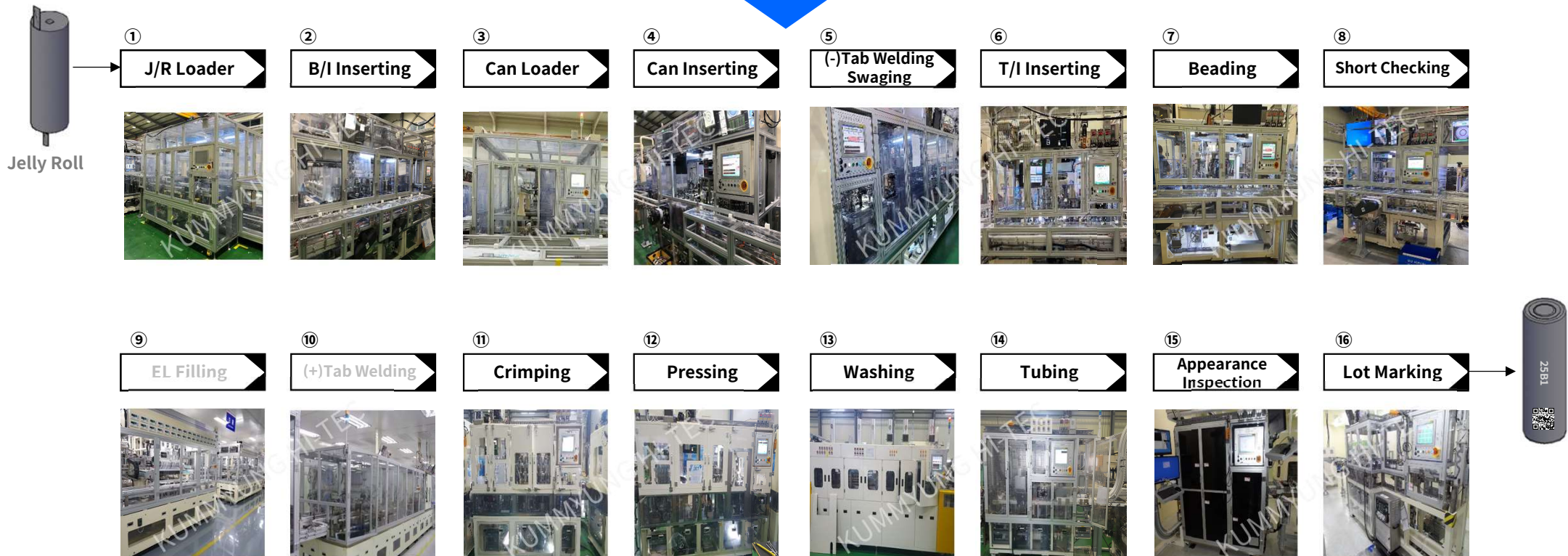
02. Secondary Battery System details

We manufacture the machines for the entire process, from the process of putting in jelly rolls to assembling, washing, inspecting, and marking cylindrical batteries.

Electrode process

Assembly process

Active process

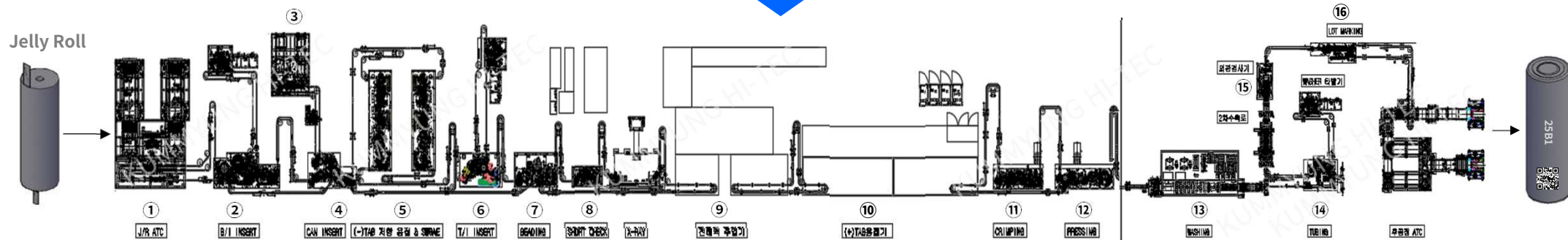


02. Secondary Battery System Drawing

Electrode process

Assembly process

Active process



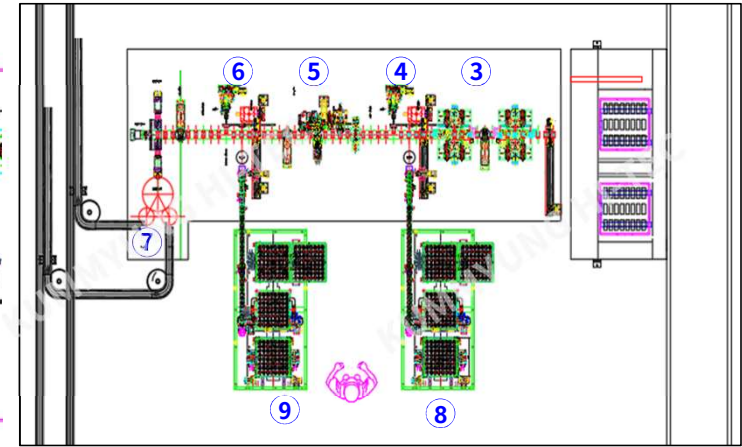
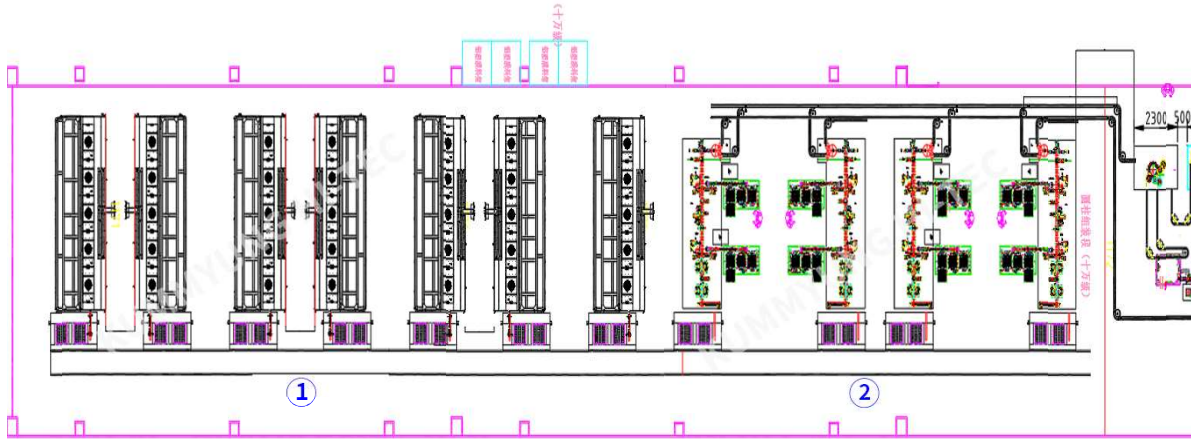
Full line picture (in Kummyung)



Full line picture (in Kummyung)

02. Secondary Battery System_4680 size_Disk Welding Line Layout

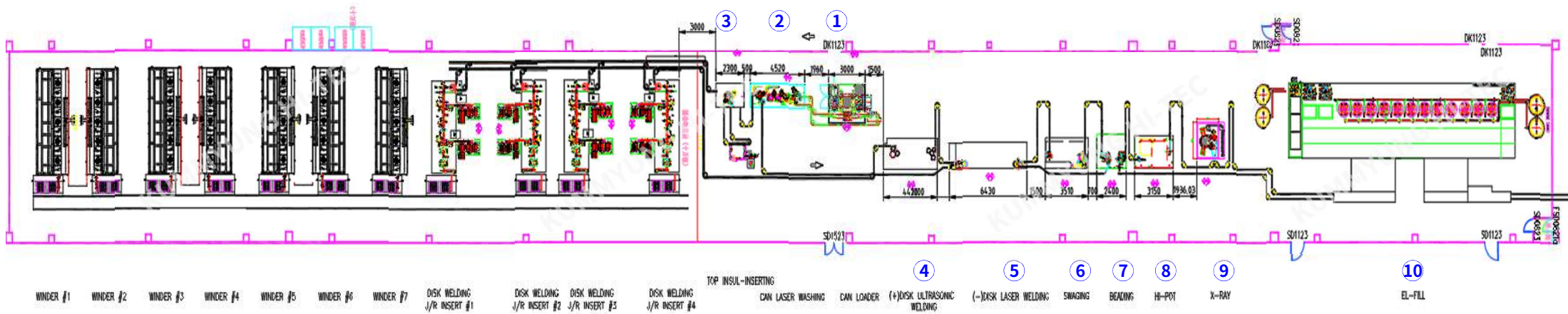
Size : 26M x 13M x 3.0M(H)



No	설비 명칭	운전 방식	설비 규격 (L*W*H)
1	Winder m/c		고객 맞춤 제공
2	Disk Welding J/R Insert	B&R	↑
3	Tab Forming	B&R	↑
4	(+) Disk Welding	B&R	↑
5	Taping	B&R	↑
6	(-) Disk Welding	B&R	↑
7	J/R Insert	index	↑
8	(+) Disk Loader	P&P	↑
9	(-) Disk Loader	P&P	↑

02. Secondary Battery System_4680 size_Assembly Line Layout

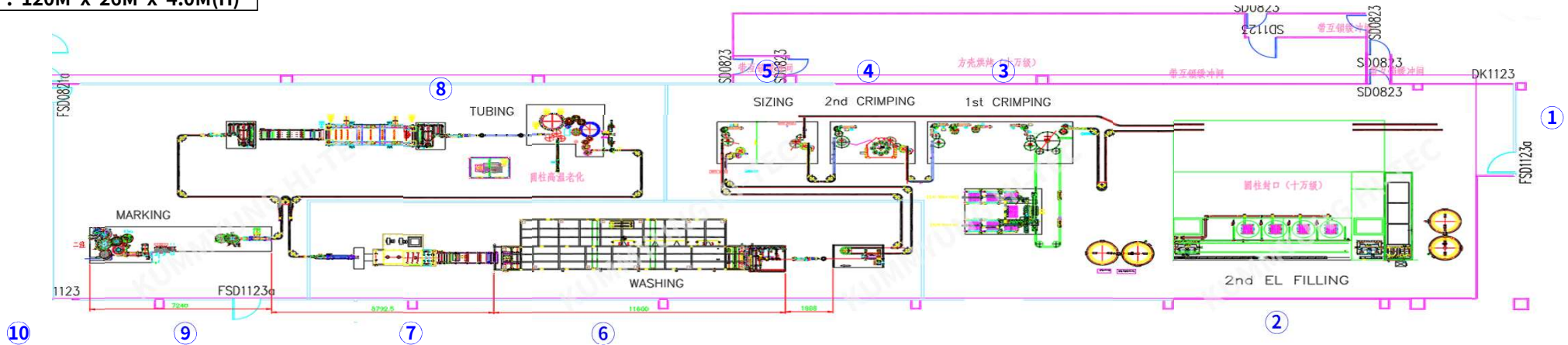
Size : 84M x 26M x 4.0M(H)



No	설비 명칭	운전 방식	설비 규격 (L*W*H)
1	Can Loader	Conveyor	고객 맞춤 제공
2	Can Laser Cleaner	Rotary	↑
3	Insulator Insert	Rotary	↑
4	(+) Disk Welding	Rotary	↑
5	(-) Disk Welding	B&R	↑
6	Swage	Rotary	↑
7	Beading	Rotary	↑
8	Hi Pot	Rotary	↑
9	X-Ray Inspection	Rotary	↑
10	EL Filling	Chamber	↑

02. Secondary Battery System_4680 size_Assembly Line Layout

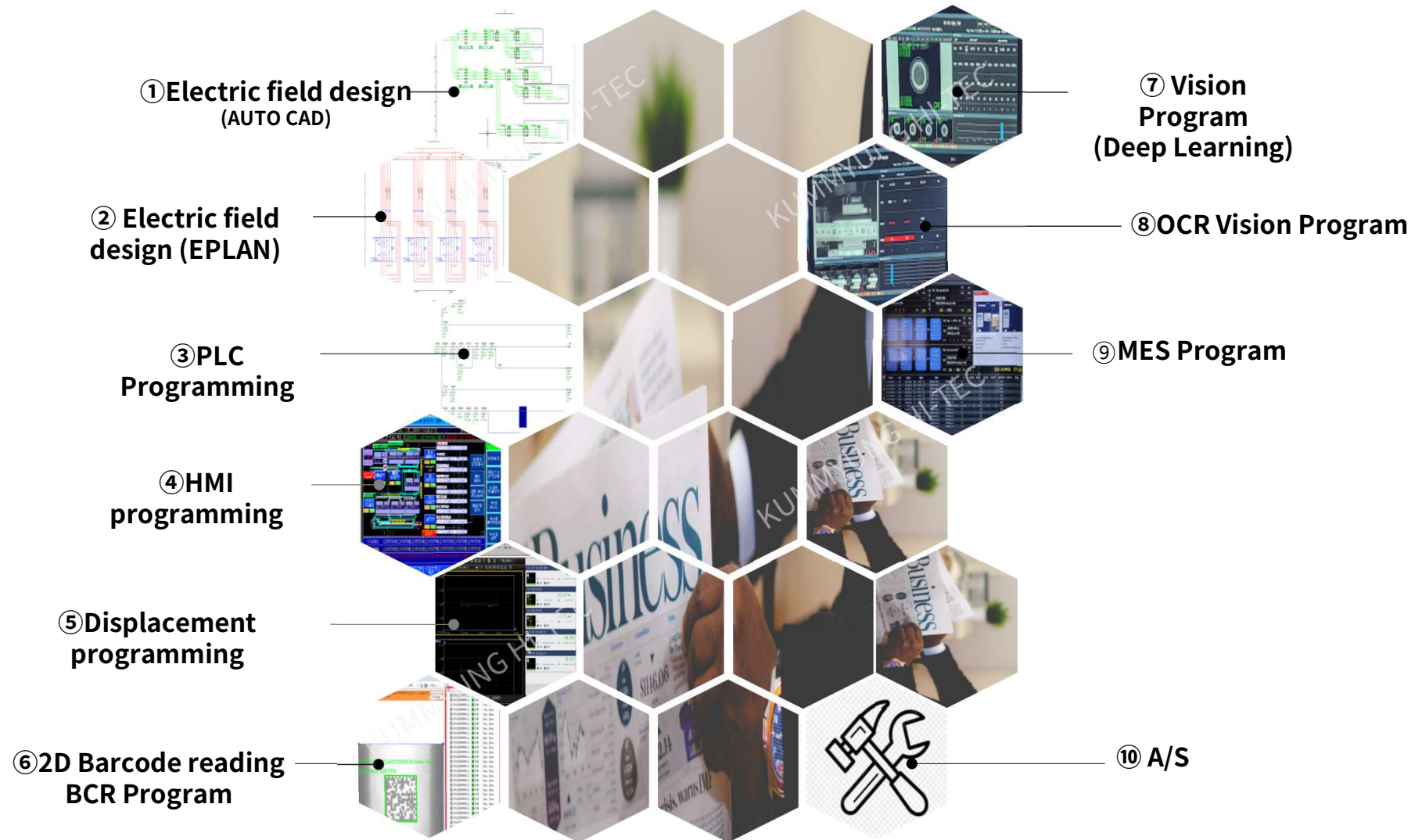
Size : 120M x 26M x 4.0M(H)



No	설비 명칭	운전 방식	설비 규격 (L*W*H)
1	Loader	Conveyor	최종 협의 후 제공
2	EL Filling	Chamber	최종 협의 후 제공
3	1 st Crimping	Rotary	최종 협의 후 제공
4	2 nd Crimping	Rotary	최종 협의 후 제공
5	Sizing	Rotary	최종 협의 후 제공
6	Washing	Conveyor	최종 협의 후 제공
7	Oiling	Conveyor	최종 협의 후 제공
8	Tube Insert	Rotary	최종 협의 후 제공
9	Lot Marking	Conveyor	최종 협의 후 제공
10	Cell Unloader	Rotary	최종 협의 후 제공

02. Secondary Battery System_Control Section

We have our own various control technologies that are applied to automated machines



03. Custom Single Machine

Laser Welding Machine	Lot & QR Marking Machine	Vision Inspection Machine	Washing Machine
			
Cartoner	Packaging Machine	Shrink Labeler	
			

04. Coffee Grinder

This industrial coffee grinder is being mass-produced by supplying it to 'Daesang' Group Corporation



Industrial Coffee Grinder



- Crushing and pulverizing raw materials without contact using two rolls
Grinding stone → Roll grinding

- No static electricity

- Ensures long life

- Easy particle control

04. Coffee Grinder Description



Industrial Coffee Grinder

Description

- The conventional grinding method grinds raw materials by friction, so the rolls become old and high-temperature. There is no problem with small amounts of grinding, but if the grinding capacity is increased and large quantities are ground for a long time, the product can easily become so hot that it breaks, so a separate cooling process is required. The coffee grinder grinds raw materials without contact with two rolls, so there is no heat generated by friction, so there is no need to worry about the product or raw materials deteriorating even if used for a long time.
- Long lifespan guaranteed. The coffee grinder strotor has a special surface treatment to ensure high wear resistance, and even if foreign substances such as metal are bitten, the roll will not be damaged, so it can be used for a long time.
- Since the grinding is done by splitting the fruit rather than by friction grinding, static electricity is not generated as occurs in conventional grinding using a millstone.
- Since 4 to 8 precisely machined rolls are arranged in 2 stages and 2 to 4 stages, each stage is precisely ground, making it easy to adjust the desired particle size.

형식	Roll size	Capa(Kg/h)	Power(Kw)	Weight(Kg)	Standard
RVC1041	115X110X8	50	1.5	500	600X500X1000
RVC1541	115X150X8	75	1.5	700	700X500X1000
RVC2541	120X250X8	125	1.5	700	800X500X1200
RVC3541	120X350X8	185	2.2	1,000	1470X700X2000
RVC4541	150X450X8	300	3.7	1,300	1750X800X2100
RVC6041	150X600X8	400	3.7	1,500	1900X1000X2500
RVC8041	150X800X8	700	5.5	1,800	2100X1000X2500
RVC10041	250X1000X8	1,000	7.5	2,000	2300X1200X2700

Major Order Performance

04. 주요 수주 실적

Year	Customer	Material	Project	Q'ty
2025	N社	Li-ion	Cylindrical 4680 LINE Manufacturing Installation	1LINE
2025	R&D	Li-ion	Cylindrical 4680 Development	1LINE
2025	L社 Ochang(Korea)	Li-ion	Cylindrical H52A Tabless Model Tubing Line Production Installation	1LINE
2025	L社 Ochang(Korea)	Li-ion	Cylindrical 후공정 라인 & Lot Marking MC Rotary Type Production Installation	1LINE
2025	R&D	Li-ion	Cylindrical Cell Tabless Model Development of high-speed collector plate welding and taping equipment	1LINE
2025	T社 Europe	Li-ion	D size Lithium Cell 50ppm Assembly Line production	1LINE
2025	R&D	Li-ion	Cylindrical Tubing Cell 2 nd Shrink Rotaty Type Development	1LINE
2025	S社 Cheonan(Korea)	Li-ion	Cylindrical JR ATC ~ Development and relocation of post-process ATC equipment	1LINE

1000000

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04. 주요 수주 실적

Year	Customer	Material	Project	Q'ty
2023	S社 Tainjin(China)	Li-ion	Oversize modification (79 types)	1LINE
2023	S社 Malaysia	Li-ion	MC11 New Construction Method Assembly-03- New Factory Can Box Feeder Manufacturing	1LINE
2023	S社 Malaysia	Li-ion	Cylindrical JR ATC~ Short Check Manufacturing Installation (270ppm)	2LINE
2023	S社 Malaysia	Li-ion	Cylindrical Assembly JR ATC ~ Short Check Manufacturing Installation (270ppm)	2LINE
2023	S社 Malaysia	Li-ion	Overhaul Construction_J/R ATC~Short Check Remodelling_Thanes	1LINE
2023	L社 Ochang(Korea)	Li-ion	Cylindrical Washing Line Manufacturing Installation (270ppm)	2LINE
2022	S社 Malaysia	Li-ion	[Cylindrical] Assembly(-)Tab W/D Laser Production Installation	2LINE
2022	S社 Malaysia	Li-ion	2Tab Machine remodelling_Mechanical	1LINE
2022	L社 Nanjing(China)	Li-ion	Cylindrical 21700 Washing MC, Lot Marking MC, Cell Inspection MC Rotary Development	1SET
2022	L社 Nanjing(China)	Li-ion	Cylindrical 21700 #35 WASHING LINE (270PPM) Manufacturing Installation	1LINE
2022	L社 Nanjing(China)	Li-ion	Cylindrical 21700 #33#34 WASHING LINE (270PPM) Manufacturing Installation	2LINE

04. 주요 수주 실적

Year	Customer	Material	Project	Q'ty
2022	L社 Nanjing(China)	Li-ion	Cylindrical 21700 WASHING LINE (270PPM) Manufacturing Installation	2LINE
2021	L社 Nanjing(China)	Li-ion	Cylindrical 21700 WASHING M/C ~ IR UNLOADER Manufacturing Installation	6LINE
2021	L社 Ochang(Korea)	Li-ion	Cylindrical 21700 WASHING M/C ~ IR UNLOADER Manufacturing Installation	2LINE
2021	S社 Malaysia	Li-ion	Cylindrical JR ATC ~ SHORT CHECK M/C 260PPM Manufacturing Installation	2LINE
2021	S社 Cheonan(Korea)	Li-ion	Cylindrical 21700 JR ATC ~ SHORT CHECK M/C 260PPM Manufacturing Installation	1LINE
2020	S社 Cheonan(Korea)	Li-ion	Cylindrical 21700 JR ATC ~ SHORT CHECK M/C 350PPM Manufacturing Installation	1LINE
2020	S社 Cheonan(Korea)	Li-ion	Cylindrical 21700 WASHING LINE Modification	3LINE
2020	L社 Nanjing(China)	Li-ion	Cylindrical 21700 WASHING LINE Modification	2LINE
2020	P社 (Japsn)	Li-ion	Cylindrical 18650,21700 TUBING M/C	3SET
2020	S社 Giheung(Korea)	Li-ion	Cylindrical 3280~32120 CELL ASSEMBLY LINE Manufacturing Installation	1LINE
2020	S社 Cheonan(Korea)	Li-ion	Cylindrical 21700 (-)TAB LASER WELDING MC Development	1SET

04. 주요 수주 실적

Year	Customer	Material	Project	Q'ty
2019	L社 Nanjing(China)	Li-ion	Cylindrical 18650 & 21700 #11~#14 WASHING M/C ~ IR UNLOADER Manufacturing Installation	4LINE
2018~	S社 Tainjin(China)	Li-ion	Cylindrical 18650 & 21700 JR ATC ~ SHORT CHECK M/C 350PPM Manufacturing Installation	3LINE
2018~	L社 Nanjing(China)	Li-ion	Cylindrical 18650 #5~#10 WASHING M/C ~ IR UNLOADER 220PPM Manufacturing Installation	6LINE
2017	N社 Japan	Li-ion	Cylindrical 18650 TUBING M/C	1SET
2017	S社 Malaysia	Li-ion	LEAK CHECK M/C	4SET
2017	S社c Japan	Li-ion	Cylindrical 21700 LOT MARKING ~ ATC 220PPM Manufacturing Installation	1LINE
2016	S社 Cheonan(Korea)	Li-ion	Cylindrical 18650&21700부품삽입기, Crimping & Sizing M/C. 220PPM	1LINE
2016	S社c Japan	Li-ion	Cylindrical 18650 LOT MARKING ~ ATC 220PPM Manufacturing Installation	1LINE
2016	S社 Cheonan(Korea)	Li-ion	18650&21700Parts inserter, Crimping & Sizing M/C. 220PPM	1LINE
2014	V社 Korea	Graphite	Activated Carbon Pressurization & Thermoforming M/C	1SET