

KOREA INNOTECH

Began its business

In the midst of tough competitions in the global market,
we did our best to gain world-class competitiveness
through continuous investment



KOREA INNOTECH CO.,LTD

HQ / Jinbuk 1st factory

5, Sandan 1-gil, Jinbuk-myeon, Masanhappo-gu, Changwon-si, Gyeongsangnam-do, Korea

T. +82-55-221-9604, +82-55-242-6196, +82-55-271-9604

F. +82-55-245-3123

Jinbuk 2nd factory

46-33, Sandan 2-gil, Jinbuk-myeon, Masanhappo-gu, Changwon-si, Gyeongsangnam-do, Korea

T. +82-55-716-0196

Jinjeon Factory / R&D center

495, Paruisa-Ro, Jinjeon-myeon, Masanhappo-gu, Changwon-si, Gyeongsangnam-do, Korea

T. +82-55-714-8066

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www.kinno.co.kr

Global Corporation

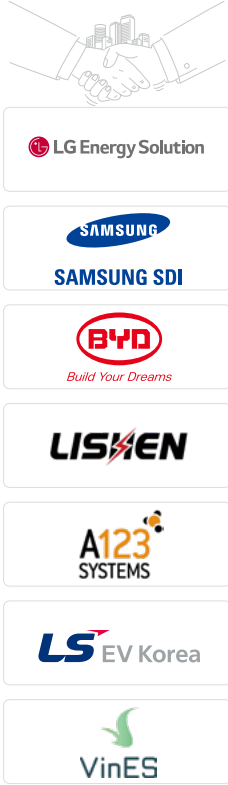


About us

Company	KOREA INNOTECH CO., LTD
Date of establishment	July 1st, 1982
President(CEO)	Heo Hyuk
Field of Business	Secondary battery cell component(Washer, Tab etc)
Website	www.kinno.co.kr
Employees	168
Customers	Domestic [Samsung SDI, LG Energy Solution] Overseas [TSDI(TianJin Samsung SDI), SDIEM (Samsung SDI Malaysia), SDIHU (Samsung SDI Hungary), NJLGES (LG Energy Solution NanJing), BYD, Lishen Battery, A123 System, LS EV Korea, VINES]

Partners

1998	Registered as LG Chem partner
1999	Registered as Samsung SDI partner
2005	Acquired Samsung SDI S-Partner
2006	Registered as BYD Partner
2007	Registered as Lishen battery Partner
2009	Registered as SBL partner (現Samsung SDIxEV division) Registered as USA A123 System
2011	Registered as Korea Institute of Industrial Technology partner Registered as LG Innotech partner
2020	Register as LS EV Korea partner
2022	Register as VINES (Vietnam)



Location & Capability



- Location
5, Sandan 1-gil, Jinbuk-myeon, Masanhappo-gu, Changwon-si, Gyeongsangnam-do, Korea
- Area
Site - 5,373m²
Building - 3,245m²
- Production items
1) Tab
2) J/R sheet, Side retainer
3) Insulation Washer
4) ITT/TLM



- Location
46-33,Sandan 2-gil, Jinbuk-myeon, Masanhappo-gu, Changwon-si, Gyeongsangnam-do, Korea
- Area
Site - 4,746m²
Building - 2,719m²
- Production items
1) Insulation Film / PP Sheet



- Location
495, Paruisa-Ro, Jinjeon-myeon, Masanhappo-gu, Changwon-si, Gyeongsangnam-do, Korea
- Area
Site - 4,489m²
Building - 1,690m²
- Production items
1) Insulation Film / PP Sheet
2) Safety Kit
3) R&D Center
(Corporate Annex research institute)

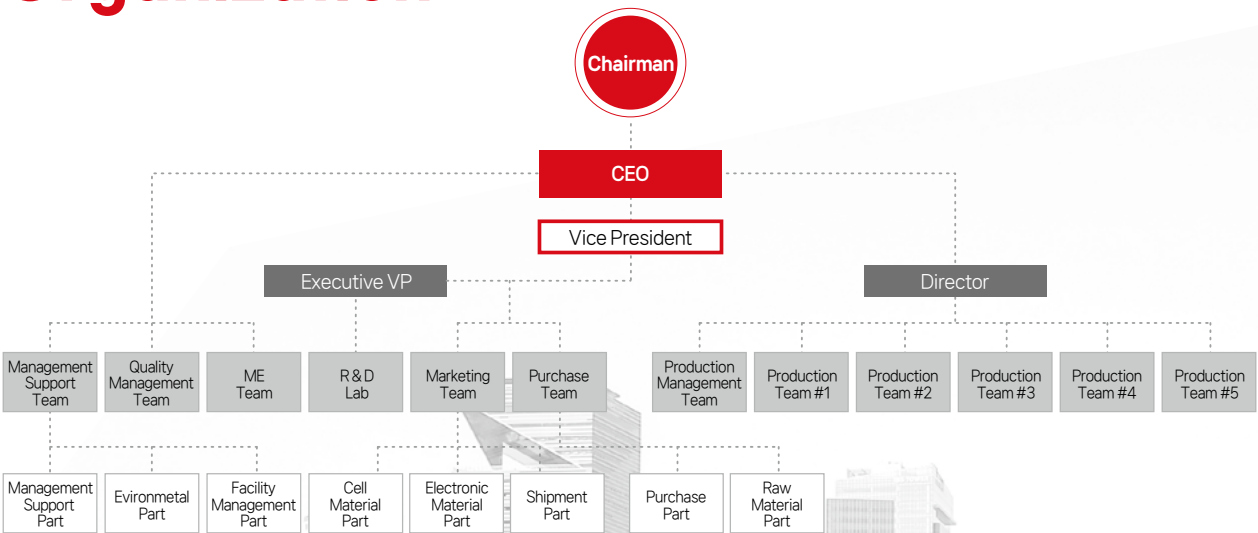


- Location
38-34 Wonpyeong-ro 83beon-gil, Pyeongtaek-si, Gyeonggi-do, Korea
- Area
Site - 1,127m²
Building - 557m²
- Sales office

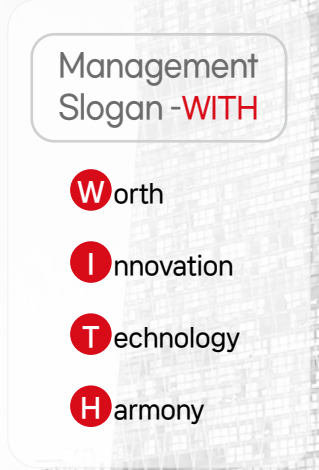
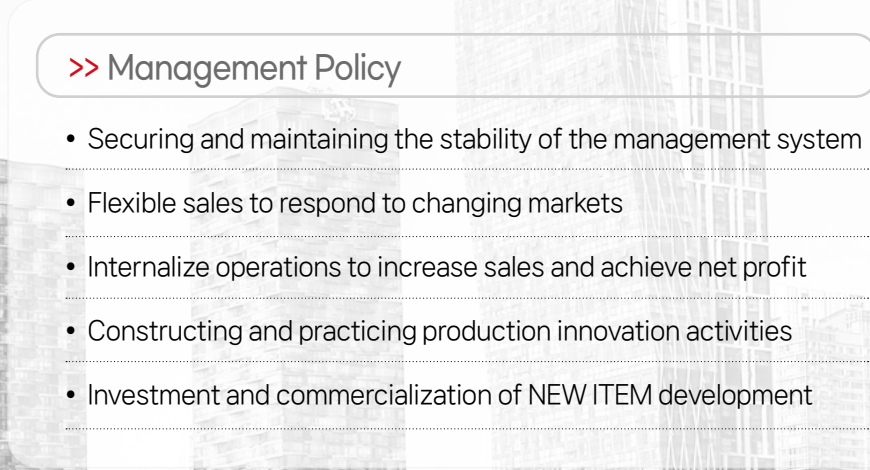
History

1982. 07.	Established company as Korea Specialty Printing
1998.	Registered as LG Chem partner
1999.	Registered as Samsung SDI partner
2005. 04.	Established company as Korea Innotech Co. Ltd.
2005. 12.	Registered as Samsung SDI S-Partner
2008. 09.	Built Jinjeon factory & research center in Changwon
2011. 02.	Acquired ISO/TS 16949 certificate
2011. 12.	Awarded medium business export promising company
2014. 06.	Built Jinbuk 1st factory in Changwon
2015. 05.	Awarded the Order of Industrial Service Merit
2015. 09.	Selected as work and study in parallel company
2015. 10.	Awarded prestigious old company
2015. 12.	Family friendly company Certificate acquire
2017. 06.	Promising venture company certificate acquire
2018. 05.	Selected as Hidden champion company from Changwon
2018. 09.	IATF 16949 certificate acquire
2019. 12.	Achieved the export sales of 10 million dollars award
2020. 12.	Selected as excellent company for job creation in Changwon
2021. 11.	Prime minister's award for technical innovation
2021. 12.	Achieved the export sales of 30 million dollars
2022. 01.	President Mr. Heo Hyuk was inaugurated
2023. 12.	Achieved the export sales of 50 million dollars

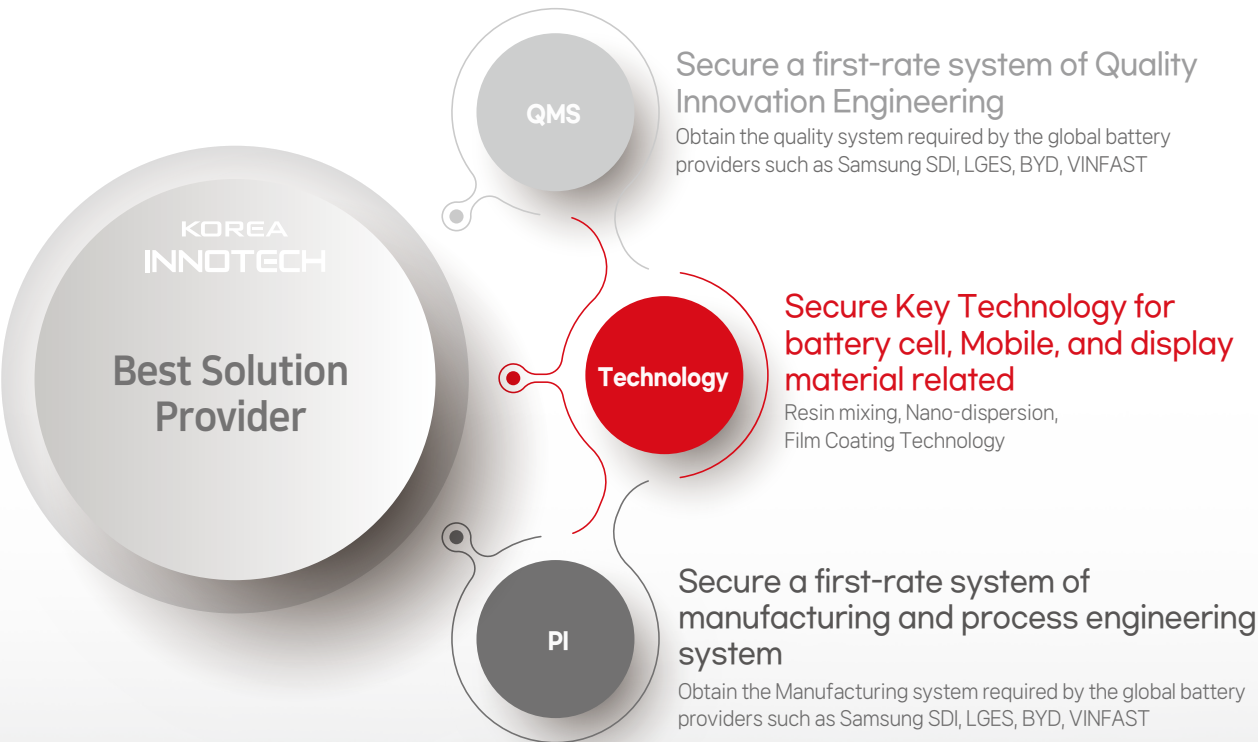
Organization



Partners Long-term Vision



Vision



Certificates


>> Patents	>> Certificates
1998. 02. Development Insulating washer for Li-ion battery	2000. 05. Certified as Excellent Venture Enterprise
2008. 06. Patented screen printing device	2003. 11. Acquired Single PPM certificate
2008. 12. Automatic Joining device for Cu and AL Electrode plate	2005. 10. Acquired ISO 9001, 14001 certificate
2013. 10. Patented Sealing film for Li-ion battery Anode/Cathode lead tab	2009. 02. Acquired Venture Enterprise Certificate
2015. 04. Patented for Li-ion battery cathode related production process	2011. 02. Acquired TS16949 Certificate
2017. 06. Patented for Manufacturing method of anisotropic electromagnetic wave shielding film and registration of flexible printed circuit board	2011. 12. Designated Promising Export Company
2018. 12. Patented High Functional AF coating film	2013. 06. Designated Best companies to work
2020. 05. Patented hole press in die-cutting process	2014. 01. Acquiring certification for small and medium-sized enterprises
2022. 08. Patented for Fingerprint-contaminated film for interior parts of automobiles containing fluorine-based compounds and its manufacturing method	2014. 06. Designated as Center for Excellent Technology Research(ATC)
	2014. 07. Designated outstanding hiring company by Korean government
	2015. 05. Got Pylon Industrial Medal Award
	2015. 09. Selection of companies with a work-study system
	2015. 10. Selected as a prestigious longevity company
	2015. 12. Family-Friendly Enterprise Certification
	2017. 06. Certification of excellent venture companies (R&D field)
	2018. 05. Designated as a small but strong company in Changwon city
	2018. 09. IATF 16949 Transition Certification
	2019. 12. Achieved export sales of USD 10 million
	2020. 12. Excellent Job creation selection in Changwon city
	2021. 11. Technology Innovation Prime Minister Award (Manufacturing Innovation)
	2021. 12. Achieved export sales of USD 30 million
	2023. 12. Achieved export sales of USD 50 million

>> Challenges
2010. 06. Designated as development company for Bio-energy (340K USD)
2010. 09. Develop new technology: Lead Ass'y production
2012. 03. 2 projects selection for Secondary Battery Development by Korean government
2013. 11. Geochang Samdong Small Hydroelectric Power Support(by Geochang County Governor)
2014. 05. IP-STAR Company selection (supported when applying for overseas patents)
2014. 06. Selected as a ATC developing company by Korean government
2015. 10. Selected 15-Year Technology Innovation Development Project (High Growth Task)

Business Area

>> Cell material Parts

TAB Electrode of Li-ion battery



Role as (+), (-) terminal in Li-ion battery
▶Al-Tab : cathode terminal ▶Ni, Cu, Ni/Cu clad tab : anode terminal

- Material : Aluminum, Nickel, Copper, Ni-Cu Clad
- Thickness : 0.03T ~ 0.15T
- Width : 1.5mm ~ 10.0mm or more

ITT / TLM Insulation tab / Tab Laser marking



TAB material with enhanced function

- Material : Al TAB + PET Tape, Ni tab + 2D marking
- Thickness : 0.03T ~ 0.08T

Insulation Film Insulation



Insulation role in cylindrical battery. Used for insulation and shock absorption purpose

- Material : Polypropylene
- Thickness : 0.1T ~ 0.8T
- Width : 20mm ~ 85mm or more

Foam Pad Fixing and Shock absorb



Use for cell pack for EV. Fixing purpose with pack cover and cell

- Material : PU Foam
- Thickness : 0.24T


Side retainer Insulation



Use for insulation purpose in prismatic cell

- Material : Polypropylene
- Thickness : 0.2T

JR sheet Insulation



Use for insulation purpose in prismatic cell

- Material : PP film, PI film
- Thickness : 0.08T ~ 0.16T


Insulation Washer Insulation



Insulation role in Li-ion battery

- Material : Yupo, PET, Nomex, PE-Foam
- Thickness : 0.03T ~ 0.25T

Safety Kit Safety device from nail



Prevent the cell explosion from a nail penetration

- Material : Copper, PP, PET film
- Thickness : 0.06T ~ 0.12T

Business Area

>> Electronic material parts- Functional Hard coating



AFC
Wet AF Coating
high anti-staining, anti-fingerprint, high slip property



FHC
Flexible hard-coating material
high bending, high scratch resistance, AF wear-resistance/chemical resistance, high slip property



HFC
High Functional Hard Coating
PET, PC/PMMA FILM
high hardness, high scratch resistance, high slip property, AF, AG/AR IML, Antibiotic



LIB-FC
LIB Functional Coating
Insulating property in secondary battery, with high heat-resistance, high heat dissipation

Key Technology of Korea Innotech

High functional hard coating in mixing technology

- UV Resin and Thermosetting Resin Design Technology
- High functional core material design technology (functional organic/inorganic, nano-materials, additives, etc.)
- Optimal curing process technology (UV curing, thermosetting)

Optimized Mass Production in coating technology

- R2R Coating
- Flow Coating
- Nano Spray Coating

2nd Process technology

- Blanking
- 3D Forming
- Securing SCM of UV Molding/Printing related company

Customized product development

High Functional hard coating solution

Film

Related processed product

>> Electronic material parts- Details

AFC (Wet coating material)
High anti-staining, anti-fingerprint



AF reduced fingerprint/ Easy Clean

Non-AF

HFC (High functional hard coating material)
High hardness, high scratch resistance, AF coating



H/C
PET
OCA
PC

HFC (High functional hard coating material)
Optics AG/AR/AF/Antibiotic coating



HFC (High functional hard coating material)
High hardness and high scratch resistance/AF coating for Mobile rear cover



AF Hard Coating
Material PC, 2L PC/PMMA

FHC (Flexible hard coating material)
AFHC on protective film for Foldable Phone cover window



LIB-FC (Functional coating material in secondary battery material)
Insulation/heat dissipation/rust protection coating



Coating structure (Internal cross-sectional coating of Metal can)
High Heat Resistance Insulation Coating
Material (Metal can in secondary battery cell)