



INDEX

COMPANY INTRODUCTION	03	PRODUCT	30
INTRODUTION	04	MLCC	09
COMPNAY HISTRORY	05	Secondary Battery & BATTERY	11
Patent, certification, and award-winning experience	06	IT	14
Client List	07	Soft Packaging	21



INTRODUTION

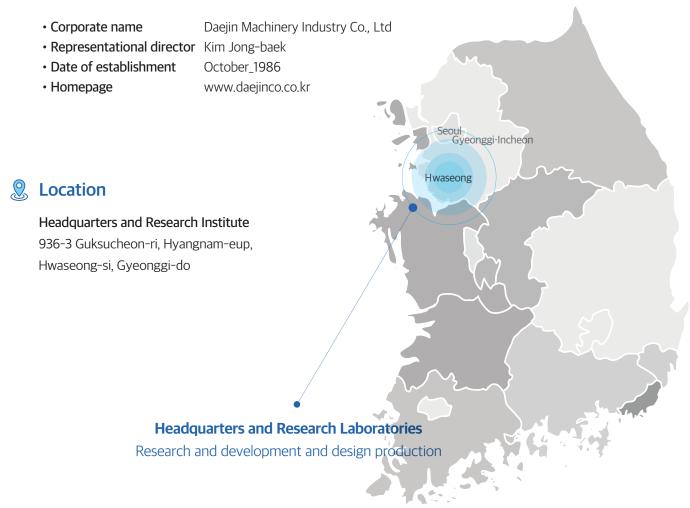
COMPNAY HISTRORY

Patent, certification, and award-winning experience

Client List

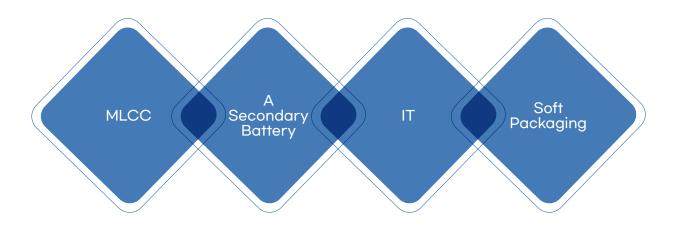
INTRODUCTION

E Company Introduction





A Major Production Production











1986. 10

Establishment of Daejin Industrial Company

1993. 07

DAEJIN MACHINE INDUSTRIAL CORPORATION

2009.11

ISO9001 Certification

2010. 10

ISO14001 Certification

2015. 06

Inoviz Certification

2016. 05

Certification of establishment of corporate research institute

2017. 06

Venture company certification

2022.07

ICT Convergence Smart Factory Company Selected (Gyeonggi Techno Park)

2022.11

Tower of \$10 million Export Award (59th Trade Day)

2023.01

Certification of a company specializing in materials, parts, and equipment (Korea Industrial Technology Evaluation Officer)

2023.01

Korea Institute of Machinery and Materials' Family Company Selected

Patent, certification, and award-winning experience COMPANY INTRODUCTION Patent, certification, and award-winning experience

Patent







Certification







Award-winning experience



















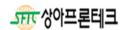














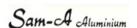






















































MLCC

Secondary Battery & BATTERY

IT

Soft Packaging

MLCC

MLCC PRINTING MACHINE - GRAVURE PRINTING PRESS



A Manufactured Product

1 MLCC (Multi Layer Ceramic Condencer)

Characteristics

- Print less than 1 μm thick after drying with MLCC exclusive gravure printing machine
- High efficiency dryness and stable chamber internal temperature and air volume (Max). 150 degrees)
- Motor automatic control due to web tension feedback
- Web Winding Dia: Max. 530(600)mm
- Automate printer centralized control except Web Load/Unload
- Pattern L/D strain within 10 μm
- CE-certified explosive precision gravure printing machine

Spec

Utilization	CONDUCTIVE MLCC PRECISION PRINTER	
Applied fabric	Fabric Molded Ceramic PET	
Equipment Speed	Max. 150 m/min (conditions applied)	
Equipment Specification	2.3m(W) x 2.9m(H) x 21m(L)	
DRIVE SYSTEM	AC Servo / Vector Control	
Heat source	Electric Heater.	
Drying method	A combination formula (Floating, Leveling, Punching)	

Process

Unwound > Defect Inspection > Printing > Drying > Winding

PRODUCT

MLCC

COATING MACHINE - COATING MACHINE



A Manufactured Product

1 MLCC (Multi Layer Ceramic Condencer)

Characteristics

- Print less than 1 μm thick after drying with MLCC exclusive gravure printing machine
- High efficiency dryness and stable chamber internal temperature and air volume (Max). 150 degrees)
- Motor automatic control due to web tension feedback
- Web Winding Dia: Max. 530(600)mm
- Automate printer centralized control except Web Load/Unload
- Pattern L/D strain within 10 μm
- CE-certified explosive precision gravure printing machine

Spec

Utilization	MLCC Ceramic Coating (Coating) Machine	
Applied fabric	Formed ceramic PET	
Equipment Speed	Max. 150 m/min (conditions applied)	
Equipment Specification	3m(W) x 3m(H) x 22m(L)	
DRIVE SYSTEM	AC Servo	
Heat source	Electric Heater	
Drying method	A combination formula (Floating, Leveling, Punching)	

Process

Unwinding > Coating (Molding) > Drying > Winding

POUCH FILM COATING MACHINE - POUCH FILM COATING MACHINE



• A Manufactured Product

1 LiBP (Lithium ion Battery Pouch film)

Spec

Utilization	Manufacture of secondary battery pouch film
Applied fabric	AL+ NY +PET
Equipment Speed	Max. 150m/min
Equipment Specification	Consultation on details
Heat source	Hot oil, Steam
Drying method	Floating

Process

Unwound > Coating > Drying > Coating > Drying > Lamination > Winding

POUCH FILM LAMINATING MACHINE - POUCH FILM LAMINATOR



A Manufactured Product

1 LiBP (Lithium ion Battery Pouch film)

Spec

Utilization	Manufacture of secondary battery pouch film
Applied fabric	NY +PET
Equipment Speed	Max. 200m/min
Equipment Specification	Consultation on details
Heat source	Steam
Drying method	Roll support

Process

Unwinding > Coating > Drying > Lamination > Winding

POUCH FILM EXTRUDE MACHINE - POUCH FILM EXTRUDER



A Manufactured Product

1 LiBP (Lithium ion Battery Pouch film)

Spec

Utilization	Manufacture of secondary battery pouch film	
Applied fabric	First-grade paper - AL + NY + PET Second-grade paper - CPP	
Equipment Speed	Max. 100m/min	
Equipment Specification	Consultation on details	
Heat source	Hot oil	
Drying method	Roll support	

Process

Unwinding > Coating > Drying > Lamination > Winding

FUEL CELL COATING MACHINE - COATING MACHINE FOR FUEL CELL



A Manufactured Product

1 LiBP (Lithium ion Battery Pouch film)

Spec

Utilization	-
Applied fabric	FEP Film
Equipment Speed	Max. 10m/min
Equipment Specification	1.7m(W) x 1.3m(H) x 4.5m(L)
Heat source	Not included
Drying method	Not included

Process

Unwinding > Coating > Drying > Lamination > Winding

IT

FCCL (ACF) COATING MACHINE - FCCL (ACF) COATING MACHINE



A Manufactured Product

- 1 ACF (Anisotropic Conductive Films)
- 2 FCCL (Flexible Copper Clad Laminate)

Spec

Utilization	COMMA COATING	
Applied fabric	PET, Etc	
Equipment Speed	Max. 10m/min (conditions applied)	
Equipment Specification	2m(W) x 2.5m(H) x 11m(L)	
DRIVE SYSTEM	AC Servo / Vector Control	
Heat source	Electric Heater	
Drying method	Floating Nozzle type	

Characteristics

- ACF / FCCL Exclusive Coating Machine
- Side Hanger Type for easy side work
- Motor automatic control due to web tension feedback
- Automate Coater Centralized Control Excluding Web Load/Unload
- A structure that maintains the cleanliness of the equipment itself
- High efficiency dryness and stable chamber internal temperature and air volume (Max). 200 degrees)

Process

Unwinding > Coating > Drying > Slitting > Winding

IT

PILOT MULTI COATING MACHINE - PILOT MULTI-COATING MACHINE



• A Manufactured Product



Characteristics

- Apply multi-coated heads
- Composition of various coating methods, equipment optimized for research
- All configurations can be made to meet the needs of the User

Spec

Utilization	Pilot Multi Coater	
	r not wattr coater	
Applied fabric	Various Web (Film, Metal etc)	
Equipment Speed	Max. 30m/min (conditions applied)	
Equipment Specification	2m(W) x 2.7m(H) x 7m(L)	
DRIVE SYSTEM	AC Servo / Vector Control	
Heat source	Electric Heater	
Drying method	Floating Nozzle type	

Application Coating Method

Туре	Comma	Comma Reverse	Slot Die	R Die	Micro Gravure	GravureDirect	Kiss	Kiss & Mayer
	(1)	+ + + +			100	5		la company
Viscosity (CPS)	100-100,000	100-50,000	100-50,000	10-1,000	10~1,000	10-2,000	Max,2,000	Max, 2,000
Wetturn	20 more	20 more	10 more	1-30	Max, 30	3-30	Lower	3-30

П

UV COATING MACHINE - UV COATING MACHINE



A Manufactured Product

- 1 BLU FILM / Double-sided PRISM FILM
- DISPLAY FILM

Spec

Utilization	BLU 2-HEAD COATING	
Applied fabric	PET, Etc···	
Equipment Speed	Max. 30m/min (conditions applied)	
Equipment Specification	2.5m(W) x 2.5m(H) x 5m(L)	
DRIVE SYSTEM	AC Servo / Vector Control	
Heat source	UV	
Drying method	UV CURE	

Characteristics

- DISPLAY FILM PRODUCTION COATING MACHINE.
- 2-layer coating for UV curing.
- It is possible to correct the left and right ±1um of the fine pattern of the roll surface.
- It heats up the coating roll,
- Temperature control is possible within ±1 degree of left and right temperature deviation.

Process

Unwinding > Coating > UV Hardening > Patterning > Winding

IT

ELECTRIC PRINTING MACHINE - ELECTRONIC PRINTING MACHINE



• A Manufactured Product

- 1 A printed electronic film
 - PET, PI film (Metal ink print)
- 2 Automotive rear-view mirror heated seat.
- § FPCB
- 4 Various Touch Films

Spec

Utilization	Gravure Printing
Applied fabric	PET, PI etc⋯
Equipment Speed	Max. 100m/min
Equipment Specification	Depends on production specifications.
DRIVE SYSTEM	AC Servo / Vector Control
Heat source	Steam, Electric heater, GAS.

IT

OPTICAL FILM LAMINATING MACHINE - OPTICAL FILM LAMINATING MACHINE



DIFFUSION FILM LAMI MACHINE

POLARIZED LIGHT FILM LAMI MACHINE

A Manufactured Product

- 1 BLU, diffusion film
- 2 Optical film
- 3 Window film
- 4 Others

Spec

Utilization	LAMINATING
Applied fabric	DIFFUSION / POLARIZED LIGHT FILM
Equipment Speed	Max. 20m/min (conditions applied)
Equipment Specification	Depends on fabrication specification
DRIVE SYSTEM	AC Servo / Vector Control
Lammy heat source	Steam, Hot Oil, Electric heater

- Ability to Lami each layer of Film up to 7 layers
- Robust durability of Lami-enabled equipment from thin films to up to 3mm thick films
- Drive Auto Control with Web Tension Feedback

CARBON IMPREGNATING MACHINE - CARBON IMPREGNATION MACHINE



A Manufactured Product

- 1 A fishing rod, a golf club, and an athletic racket.
- 2 Auto parts.
- 3 Aircraft components related to aviation and space.
- 4 Wind power generation components and other varieties.
- **5** Use it as other high-tech materials.

Spec

Utilization	PREPREG impregnation and coating
Applied fabric	CARBON FIBER, GLASS FIBER…
Equipment Speed	Max. 30m/min (conditions applied)
Equipment Specification	4.5m(W) x 3.5m(H) x 25m(L)
DRIVE SYSTEM	AC Vector Control
Heat source	HOT OIL
Drying method	-

- High-strength synthetic SHEET production by bonding materials (epoxy resin, polyester resin, thermoplastic resin) using carbon fiber, glass fiber, aramid fiber, etc
- The impregnated part can be adjusted to the thickness of ±1um depending on the thickness of the fiber
- Equipped with a seam that spreads the fiber evenly
- Apply Lami parts that can be combined up to 6_layers

SECTIONAL GRAVURE PRINTING MACHINE - SECTIONAL GRAVURE PRINTING MACHINE



A Manufactured Product

- Food Wrappers
- 2 Household Goods Wrapper
- **3** Electric Print

Spec

Utilization	Gravure Printing
Applied fabric	PET, CPP, PP, OPP, NYLON, AL
Equipment Speed	Max. 300m/min~
Equipment Specification	Depends on fabrication specifications
DRIVE SYSTEM	AC Servo / Vector Control
Heat source	Steam, Electric heater, GAS.

Characteristics

- Bearing(in guide roll)
 - Non-grease type, high-speed bearing adopted
- Easy removal/attachment, single-person cleaning and replacement
- Side lay / Gear box
 - Enhanced durability, high-speed design
- Cooling system
 - Maintain coating surface, improve clarity, Structurally preventing blocking
- Doctor holder
 - One-touch exchange method Improves printing and coating clarity by preventing wave development

Process

DP SERIES GRAVURE PRINTING MACHINE - DP SERIES GRAPHIA PRINTING MACHINE



A Manufactured Product

- Food wrappers
- 2 Household goods wrapper

Spec

Utilization	Gravure Printing
Applied fabric	PET, CPP, PP, OPP, NYLON, AL
Equipment Speed	Max. 250m/min
Equipment Specification	Depends on fabrication specifications
DRIVE SYSTEM	AC Servo / Vector Control
Heat source	Steam, Electric heater, GAS

- Bearing(in guide roll)
 - Non-grease type, high-speed bearing adopted
- Easy removal/attachment, single-person cleaning and replacement
- Side lay / Gear box
 - Enhanced durability, high-speed design
- Cooling system
 - Maintain coating surface, improve clarity, Structurally preventing blocking
- Doctor holder
 - One-touch exchange method Improves printing and coating clarity by preventing wave development

DIFFUSION DXG SERIES GRAVURE PRINTING MACHINE - ENTRY-LEVEL DXG SERIES GRAVURE PRINTING PRESS



A Manufactured Product

- 1 Food wrappers
- 2 Household goods wrapper

Spec

Utilization	Gravure Printing
Applied fabric	PET, CPP, PP, OPP, NYLON, AL
Equipment Speed	Max. 200m/min
Equipment Specification	Depends on fabrication specifications
DRIVE SYSTEM	AC Servo / Vector Control
Heat source	Steam, Electric heater, GAS

- Bearing(in guide roll)
 - Non-grease type, high-speed bearing adopted
- Easy removal/attachment, single-person cleaning and replacement
- Side lay / Gear box
 - Enhanced durability, high-speed design

HEAVY WEIGHT PACKAGING GRAVURE PRINTING MACHINE - MEDIUM PACKAGING GRAVURE PRINTING MACHINE



A Manufactured Product

- 1 A sheet of paper
- Wallpaper
- S Floor tiles

Spec

Utilization	Gravure Printing / Coating
Applied fabric	PET, CPP, PP, OPP, NYLON
Equipment Speed	Max. 200m/min
Equipment Specification	Depends on fabrication specifications
DRIVE SYSTEM	AC Servo / Vector Control
Heat source	Steam, Electric heater, GAS

- Bearing(in guide roll)
 - Non-grease type, high-speed bearing adopted
- Easy removal/attachment, single-person cleaning and replacement
- Side lay / Gear box
 - Enhanced durability, high-speed design

DRY LAMINATING MACHINE - DRY LAMINATING MACHINE



• A Manufactured Product

- 1 Food wrappers
- 2 Household goods wrapper

Spec

Utilization	DRY LAMINATING
Applied fabric	Plastic Film, PP, PE, PET, Paper, AL
Equipment Speed	Max. 250m/min
Equipment Specification	4m(W) x 4.3m(H) x 15m(L)
DRIVE SYSTEM	AC Vector Control
Heat source	Steam, Hot Oil, Electric heater

EXTRUDER MACHINE - EXTRUDER LAMINATING MACHINE



• A Manufactured Product

- 1 Food wrappers
- 2 Household goods wrapper

Spec

Utilization	TANDEM EXTRUSION LAMI
Applied fabric	Plastic Film, PP, PE, PET, Paper, AL
Equipment Speed	Max. 200m/min
Equipment Specification	9m(W) x 3.5m(H) x 20m(L)
DRIVE SYSTEM	AC Vector Control
Heat source	Steam, Hot Oil, Electric heater

Characteristics

- Single and Tandem Configuration