



DAHYUN Co., Ltd.

www.dhbarak.com

INDEX

 **Company Introduction**

 **Business Area**

 **Products Introduction**

 **Production Facilities**

 **Business Strategies**

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Company Introduction – Message from CEO

We, Dahyun Co., Ltd., promise our valued customers that we'll make all-out efforts for customer satisfaction with a sense of duty and pride.

Hello, our respectable customers!

We really appreciate all of you always supporting our company.

Our company manufactures various coating products for optical and industrial purposes based on establishing the nation's best Flow coating lines.

We have diverse coating technologies including UV-typed hard coating and anti-static coating.

Our products are widely used as panels in semi-conductor facilities of Samsung and LG and panels for soundproof walls, as well as material for parts of electronic products and industrial material, and have been exported abroad in recognition of our technologies.

We will progress ourselves constantly through vibrant, future-oriented thinking.

We have grown a lot in the meantime based on the confidence we've been built-up but we're not satisfied with the performance we've made at this time and we'll strive to upgrade quality and services to make contribution to the progress of Korean industry.

We promise you that we'll make all-out efforts for customer satisfaction with a sense of duty and pride aiming at the best technology and quality.

It'll be much appreciated if you would give constant affection and support for us.

Thank you.

CEO Shin, Man-sik

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Company Introduction – Company Overview

Company Name	Dahyun Co., Ltd.
CEO	Shin, Man-sik
Capital	500 Million Korean ₩
Address	#102, 17-1, 15beon-gil, Yeomgok-ro, Seo-gu, Incheon, Korea
Date of Establishment	May 20, 2010
Corporate Registration No.	137-86-39058

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Company introduction – Company History

2010

- Dahyun Co., Ltd. Founded
- Registered as full membership in FKI(Federation of Korean Industries)
- Functional Coating system introduced

2011

- Signed with Myungji Univ. as Industry–Univ. Collaboration Institution
- Started mass production of AS coating panel used in semiconductor facilities (window Panel in Samsung Semiconductor Facilities)
- Anti–static sheet exported to China and some Asian countries
- Paint for sound–proof HC developed and started to produce

2012

- Won Excellent Prize from Small & Medium Business Association
- Started supplying hard–coating panel for soundproof walls (Korea Expressway Corporation)
- Signed to supply hard–coating PC for furniture (Donghwa Group)

2013

- Producing functional hard coating for exporting to Europe
- Partnership with Australian company EGR (UK, USA, Germany, Canada etc.)

2014

- Starting Export of anti–static and hard–coating panels to Europe and North America
- PVC anti–static coating paint developed

2015

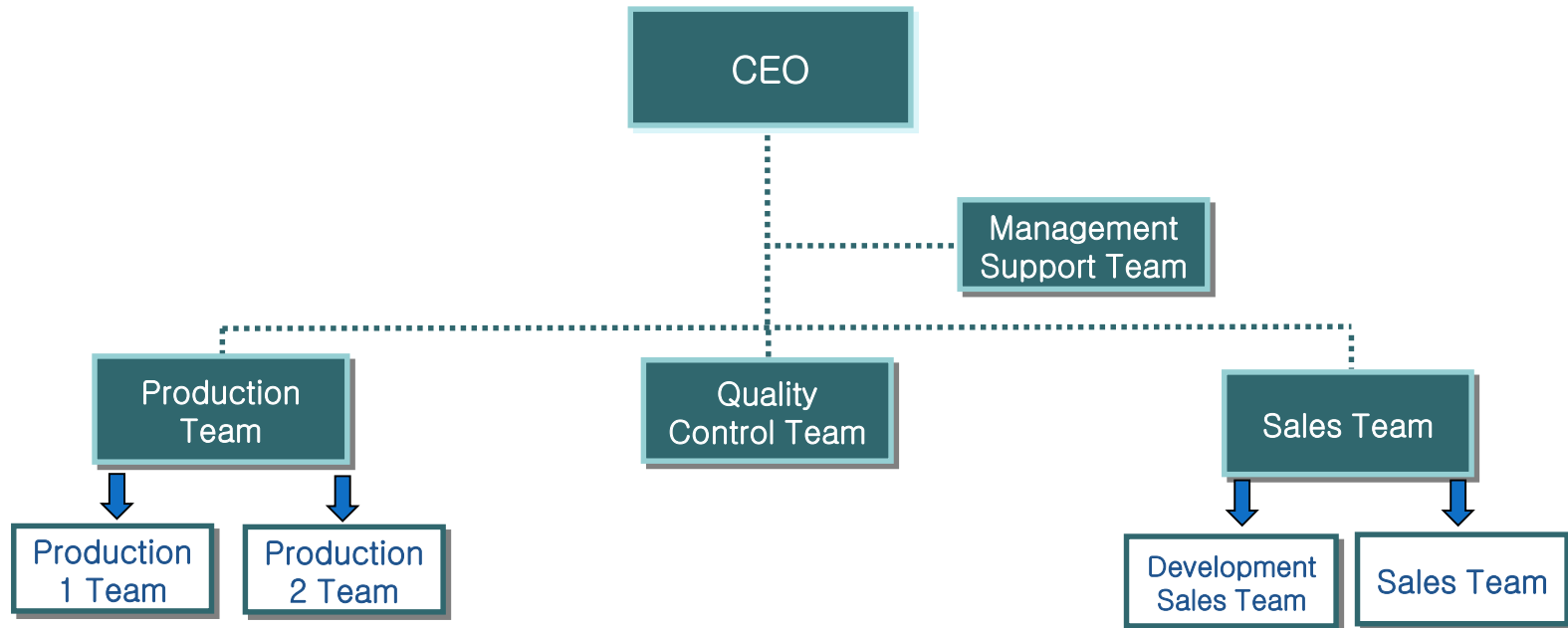
- BI(Brand Identity: “PolyDeco”) Launched
- Workplace expanded

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web–site : www.dhbarak.com / e–mail : sales@dhbarak.com

■ Company Introduction – Organization



❖ Personnel Composition

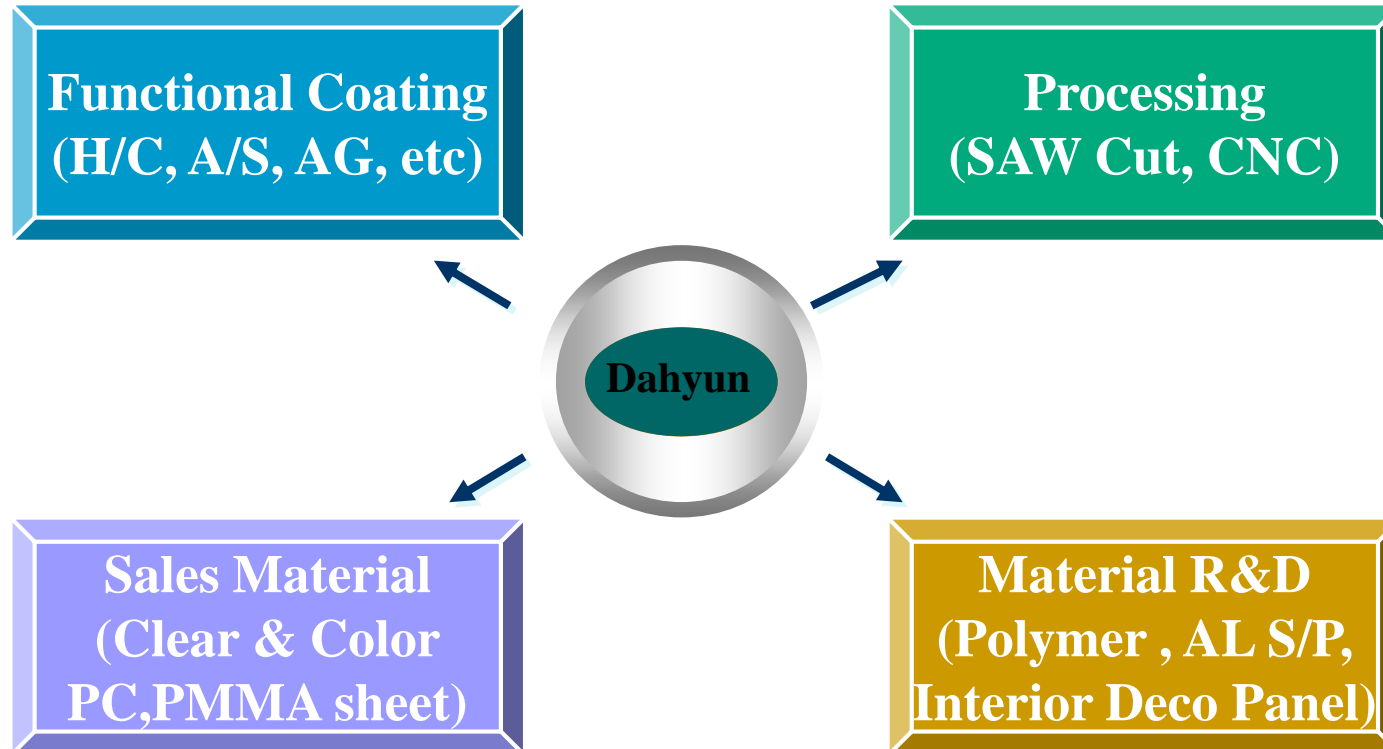
- ◆ Management & Management Support : 3 Persons
- ◆ Production & Office Work : 14 Persons

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Business Area



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Business Area – Technology I

Contents (A/S,H/C,A/G)

- PC, PMMA, PVC, PET-G, Casting panel ▶ Anti static coating
- PC, PMMA, Casting panel ▶ Hard coating, Super hard coating
- Development of customizing coating solutions

R&D

- Super hard coating paint developed
- Super water-repellent coating agent under development
- Development of customizing coating solutions to meet customers' needs

Marketing

- Aggressive market penetration through strategic marketing
- Key word marketing with three big electronic companies
- Alliance with relevant companies to create a strong synergy effect

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Business Area – Technology II

Technology

- **Steady growth in domestic market**
- **Dahyun Co., Ltd. owns the most number of coating technologies in Korea**

Research & Development

- **Having good human resources: Well-experienced engineers with various know-hows in the industry**
- **Information capabilities and excellent technologies on chemical resins required to realize functional coatings**

Sales & Marketing

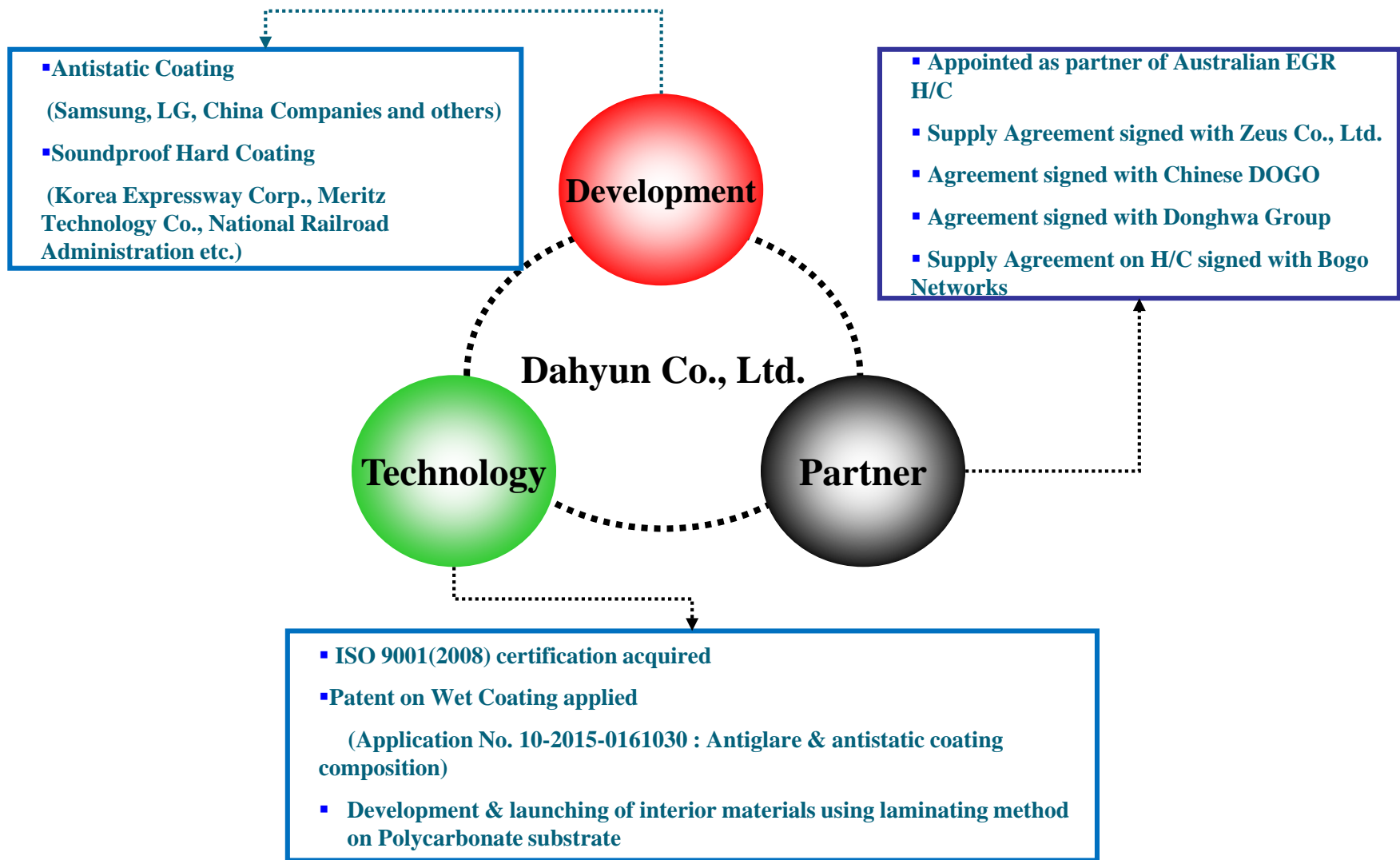
- **Selling functional coating & non-coating sheets**
- **Expanding market-share through smooth sharing of information with customer companies**

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Business Area – Main Performances & Alliances



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

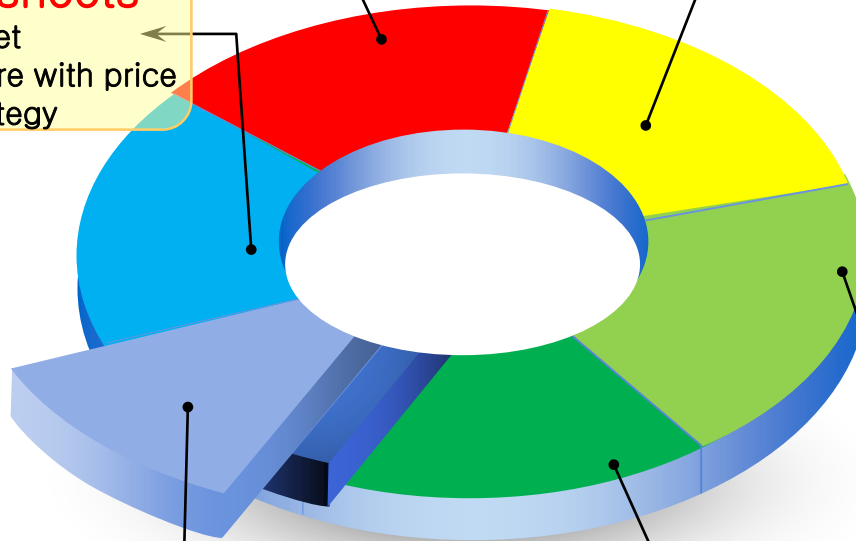
■ Business Area – Market

❖ Anti-Static coating

- 45% of Market-share in related industry
- ▶ Maintaining resistance(Ω) to meet customers' needs

❖ Sales of Bare-sheets

- Focusing on new market
- ▶ Extending market-share with price merit and delivery strategy



❖ Soundproof hard coating

- 80% of Market-share in related industry
- ▶ Continuous growth trend

❖ Hard coating for optics

- Material market for IT industry is growing
- ▶ Development to meet customers' needs

❖ Development of sheet for interior

- Strengthening R&D capabilities to secure new market
- ▶ Conversion from existing market with development of new materials

❖ Anti-Glare coating

- Display market is rapidly growing
- ▶ Establishment of sales strategy with development of product fitted to customers' specifications

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

Business Area – Competitiveness



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Business Area – SWOT Analysis

Strength

- Know-hows with long history and No.1 technology in the industry, Related market share 45%
 - Anti static coating Technology
- Invasion into prospective market and Market adaptability

Weakness

- Difficulty in making an issue of the business items
- Burden on facility investment falling short of technological development

Opportunity

- Business environment easy to enter the global market
- Continuous growth of functional coating market
- Automation of coating technology and coating environment

Threat

- Emerging of competitions
- Sensitive to economic trends
- Diversification of consumer needs

■ Products – coating sheet

• Introduction

Coating products provide the highest chemical and abrasion resistance also it have various characteristics with our functional coating technology

Product Name	Product No	Substrate		Coating Surface	Hardness	Transmittance	Haze	0.5% acid,alkali
		base	color					
Hard coating sheet	ACL**HB	PMMA	natural	Single	4H	More 91%	Less 0.5%	Good
	ACL**HH			Double				
	A###HB			Single				
	A###HH			Double				
	PCL**HB	Polycarbonate	natural	Single	HB	More 90%	Less 0.5%	Good
	PCL**HH			Double				
	P###HB			Single				
	P###HH			Double				
	VCL**HB	PVC	natural	Single	HB	More 88%	Less 0.8%	Good
	VCL**HH			Double				
	V###HB			Single				
	V###HH			Double				
Anti-static coating sheet	PCL**SB	Polycarbonate	natural	Single	B	More 90%	10 ⁶ ~10 ⁸ Ω/ □ & 10 ⁹ ~10 ¹¹ Ω/ □	Good
	PCL**SS			Double				
	P###SB			Single				
	P###SS			Double				
	VCL**SB	PVC	natural	Single	B	90~92%	10 ⁶ ~10 ⁸ Ω/ □ & 10 ⁹ ~10 ¹¹ Ω/ □	Good
	VCL**SS			Double				
	V###SB			Single				
	V###SS			Double				
Anti-glare coating sheet	ACL**GB	PMMA	natural	Single	4H	Customize (standard±3%)	Customize (standard±5%)	Good
	ACL**GG			Double				
	A###GB			Single				
	A###GG			Double				
	PCL**GB	Polycarbonate	natural	Single	HB	Customize (standard±3%)	Customize (standard±5%)	Good
	PCL**GG			Double				
	P###GB			Single				
	P###GG			Double				
Anti-fogging coating sheet	PCL**FB	Polycarbonate	natural	Single	HB	More 91%	Less 0.5%	Good
	PCL**FF			Double				
	P###FB			Single				
	P###FF			Double				
Super Hard coating	ACL**HB	PMMA	natural	Single	6H	90~92%	Less 0.5%	Good
	ACL**HH			Double				
	A###HB			Single				
	A###HH			Double				

Note : * - thickness(mm) / ## - color (smog, brown, yellow, green, black, etc)

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Products – Coated Sheet

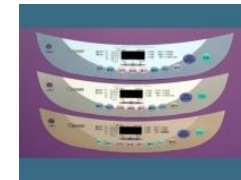
➤ Hard-coated PC, PMMA & PVC Sheet

• Introduction

Purpose	The surface of plastic should be hard-coated to prevent scratches on it.
Advantages	- High light transmittance - Excellent surface hardness and abrasion resistance - Excellent impact resistance and Printability
Applications	-For Electronic : Decoration Panels of electronic appliances, TV screen and mobile -For Protect : Access protection or protective case for machines and equipment -For vehicles : Windbreak of heavy equipments, motor cycle

• Specification

Coating Type	Substrate	Size			Coating Surface	Remarks
		Thickness	Width	Length		
Hard Coating	Poly Carbonate PMMA PVC	0.5mm	1,020mm	2,020mm	Single side and Double side	Working size W-40mm x L-40mm
		~	1,240mm	2,420mm		
		20mm	1,520mm	3,020mm		
			2,020mm			



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Products – Coated Sheet

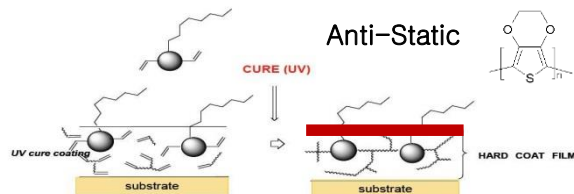
➤ Anti-static coated PC & PVC Sheet

• Introduction

Purpose	Statics generated from plastic cause a diverse issue if used in electronic purposes of optical, medical device, semiconductor etc. Anti-static coating reduces the surface resistance of panel, ultimately, preventing statics.
Advantages	- Surface resistance $10^6 \sim 10^8 \Omega / \square$ - Excellent adhesive and chemical resistance - Excellent surface hardness
Applications	- Clean room : Semiconductor, Electronic lines - Decoration panels of electronic appliances - TV screen panels and LCD Module window

• Specification

Coating Type	Substrate	Size			Coating Surface	Remarks
		Thickness	Width	Length		
Anti static coating	Poly Carbonate PVC	0.5mm ~ 20mm	1,020mm 1,240mm 1,520mm 2,020mm	2,020mm 2,420mm 3,020mm	Single side and Double side	Working size W-40mm x L-40mm



Clean ROOM



Clean Desiccator

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Products – Coated Sheet

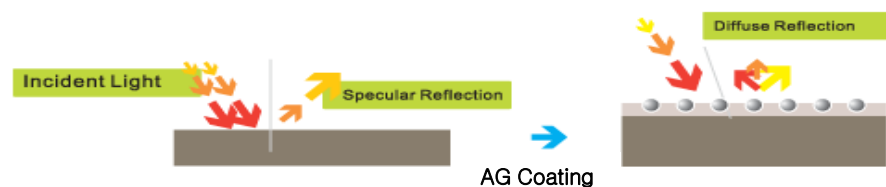
➤ Anti-glare coated PC & PMMA Sheet

• Introduction

Purpose	Excellent anti-stain, as well as anti-glare coating enables users easily to clean up the surface, avoiding fingerprints from leaving on the surface
Advantages	- Excellent anti glare and adhesive - Excellent anti-finger - Various haze
Applications	- Window protecting Panels - Decoration Panels of electronic appliances

• Specification

Coating Type	Substrate	Size			Coating Surface	Remarks
		Thickness	Width	Length		
Anti glare coating	Poly Carbonate PMMA	0.5mm ~ 5mm	1,020mm 1,240mm	2,020mm 2,420mm	Single side and Double side	Working size W-40mm x L-40mm



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Products – Coated Sheet

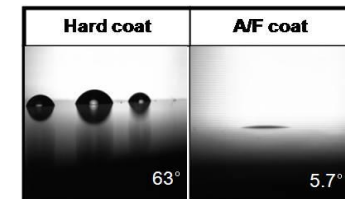
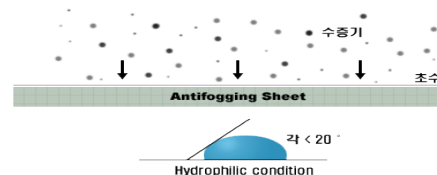
➤ Anti-fogging coated PC & PMMA Sheet

• Introduction

Purpose	Prevents fogging caused by difference of temperature or humidity to ensure a clear range of vision
Advantages	- Excellent transmittance - Excellent adhesive and chemical resistance
Applications	- Prevent fogging on surface, for example swimming & Ski goggles, CCTV lens , Shield lens of Motorcycle Helmet and shower booth mirror, etc.

• Specification

Coating Type	Substrate	Size			Coating Surface	Remarks
		Thickness	Width	Length		
Anti fogging coating	Poly Carbonate PMMA	0.5mm ~ 2mm	1,020mm 1,240mm	2,020mm 2,420mm	Single side and Double side	Working size W-40mm x L-40mm



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Products – Coated Sheet

➤ Super hard-coated PMMA Sheet

• Introduction

Purpose	The surface of plastic should be hard-coated to prevent scratches on it. The super hard coating achieves superior surface hardness (6H) than conventional products.
Advantages	- High light transmittance - Excellent surface super hardness (pencil hardness 6H) - Excellent anti pollution and easy cleaning
Applications	- Soundproof walls

• Specification

Coating Type	Substrate	Size			Coating Surface	Remarks
		Thickness	Width	Length		
Super hard coating	PMMA	8mm ~ 20mm	1,020mm 1,240mm 1,520mm 2,020mm	2,020mm 2,420mm 3,020mm	Single side and Double side	Working size W-40mm x L-40mm



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

▣ Products – Deco Sheet

➤ Hard-coated Deco PC & PMMA Sheet

• Introduction

Purpose	Replacement of glass and high gloss coating products through printing and laminating plastic materials to differentiate design, lightness and stability
Advantages	<ul style="list-style-type: none"> - It is easy to implement various designs such as patterns and colors. (Ability to develop specified patterns through consultation with designers) - Cause of panel manufacturing process, various colors (smog, bronze, etc.) and various thickness can be realized, so the choice of material is wide. - It is eco-friendly, light and easy to handle and process. (1/5 weight of Glass specific gravity) - Safe and easy to install without risk of breaking. (Process simplification possible) - It is possible to realize a design with various surface treatments such as prevention of pollution, improvement of surface hardness and matt-finish.
Applications	<ul style="list-style-type: none"> - Kitchen & living Furniture door surface - Interior wall panel & bath shower partition



Deco Panel for Furniture
[Printed or Patterned, One Body Type]

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Production Facilities

1. Coater (Coating Line)
 - Method : UV Hardening Vertical Coating (Flow-coating)
 - Length of the Line : 80M
 - Production Capacity : 2,400 sqm/day(8hours/day, based on one-side coating)
 - ☞ Conversion with 4' x 8' → 800 sheets

2. Laminating Machine
 - Operating Method : Foot Switch Method
 - PE, PP, etc. laminating
 - Film Thickness : 40um ~ 200um
 - Film Width : Max 1,600

3. Cutting Machine
 - Method : SAW Cutter
 - Effective Cutting Size : Max 3,200mm x 3,200mm

4. CNC Processing Machine
 - Method : Single Axial Processing (ATC: Automatic Tool Changer)
 - Effective Processing Size : Max 1,240mm x 2,440mm
 - Processing Speed : 10M/min

■ Production Facilities – Coater

Inspection



Remove M/F



Static elimination



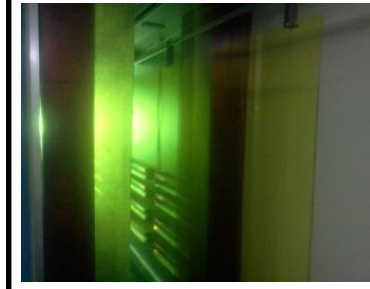
Surface cleaning



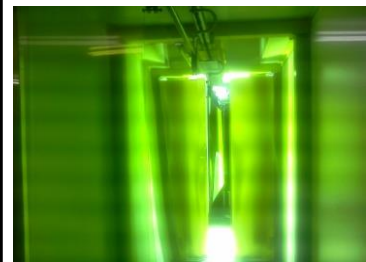
Apply coating liquid



IR dry



UV Hardening



Inspection & Laminating



Loading & packing



DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Production Facilities– Laminating Machine



Component	Size	Quantity	Remarks
Axis Roll of Upper & Bottom Pressure	300*1600	2 sets	
Foot Switch		1 set	
Guide Roll	80*1000	7 sets	
Operating Motor	1.2KW	1 ea	

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Production Facilities– SAW(Cutting) Machine



Component	Size	Quantity	비고
Effective Cutting Area	3,200 X 3,200	1 ea	
Forward-Backward Moving Bar	Automatic	1 ea	
Left-Right Moving Saw	Automatic	1 ea	
Dust Collector		1 ea	

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Production Facilities – CNC Machine



Component	Size	Quantity	Remarks
Lathe Area	1300 x 2500	1	
Table Type	General Type	1	
Moving Speed	10M/min		
Number of Axis	For Cutting	1	Automatic Tool Changer(ATC)

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fax. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com

■ Marketing Plan

Phase 1

- Marketing analyzing customer characteristics
- Marketing responding quickly to market situation

Phase 2

- Marketing maximizing sales strategy
- Marketing with realization of differentiated products from competitions' products

Phase 3

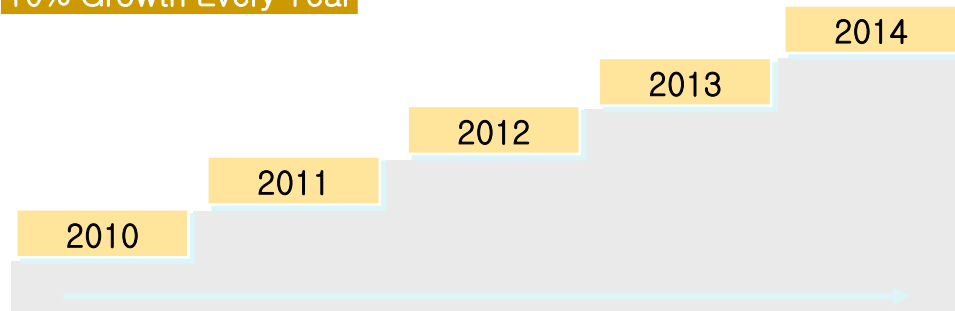
- Aggressive marketing through alliances with other companies
- Marketing for creating new market

Phase 4

- Marketing through aggressive publicizing of new functional coatings
- Marketing inducing customers' participation

■ Profit Forecast and Expectancy Effects

10% Growth Every Year



What causes profits

❖ 2010

- Dahyun Co., Ltd. Founded
- Functional Coating
- Mass production of antistatic coating

❖ 2011

- New coating system developed
- Continuous development of paintings
- Overseas export(china) started

❖ 2012

- Development of soundproof painting completed
- Supply agreement signed with Korea Express Corp.
- Reliability standards passed

❖ 2013

- Mass production of hard coating started
- Export to Europe and America started

- ❖ More than 10% continuous growth every year
- ❖ Increase of customers through development of high-quality functional coatings
- ❖ Development of new business item

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yumgok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com



Thank you!

DAHYUN CO.,Ltd.

Inchon Seo Gu, Yungok Ro, No.15Rd, 17-1, KOREA. Tel. +82.032.573.7710. / Fex. +82.032.573,7715.

Web-site : www.dhbarak.com / e-mail : sales@dhbarak.com