

台湾玻璃工業公司

TAIWAN GLASS IND. CORP.

2025 ANNUAL BRIEF

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生產基地 Production Facilities

台灣玻璃工業股份有限公司 TGI 1964年成立
TAIWAN GLASS IND. CORP. Established in 1964

平板玻璃 Flat Glass

台灣台中廠 TF
TAIWAN TAICHUNG FACTORY
1983年投產
浮板玻璃 / 加工玻璃 / Float Glass / Processed Glass
微薄玻璃 / Ultra-Thin Glass

台灣鹿港平板廠 TF-4
TAIWAN LUKANG FLAT GLASS FACTORY
2006年投產
浮板玻璃 / Float Glass

台灣彰濱廠 TC
TAIWAN CHANGPIN FACTORY
2011年投產
低輻射玻璃 / 加工玻璃
Low-E Glass / Processed Glass

台玻青島玻璃有限公司 QFG
TG QINGDAO GLASS CO., LTD.
1993年成立
浮板玻璃 / 加工玻璃
Float Glass / Processed Glass

台玻長江玻璃有限公司 CFG
TG CHANGJIANG GLASS CO., LTD.
1994年成立
浮板玻璃 / 加工玻璃 / 低輻射玻璃
Float Glass / Processed Glass / Low-E Glass

台玻咸陽玻璃有限公司 TXY
TG XIANYANG GLASS CO., LTD.
2010年成立
浮板玻璃 / 加工玻璃 / 低輻射玻璃
Float Glass / Processed Glass / Low-E Glass

生產基地 Production Facilities

台玻成都玻璃有限公司 CDG
TG CHENGDU GLASS CO., LTD.
2002年成立
浮板玻璃 / 加工玻璃 / 低輻射玻璃
Float Glass / Processed Glass / Low-E Glass

台玻華南玻璃有限公司 HNG
TG HUANAN GLASS CO., LTD.
2003年成立
浮板玻璃 / 加工玻璃 / 低輻射玻璃
Float Glass / Processed Glass / Low-E Glass

台玻東海玻璃有限公司 DHG
TG DONGHAI GLASS CO., LTD.
2003年成立
浮板玻璃 / 平板玻璃
Float Glass / Flat Glass

台玻天津玻璃有限公司 TJG
TG TIANJIN GLASS CO., LTD.
2004年成立
浮板玻璃 / 加工玻璃 / 低輻射玻璃
Float Glass / Processed Glass / Low-E Glass

台玻安徽玻璃有限公司 TAH
TG ANHUI GLASS CO., LTD.
2010年成立
浮板玻璃 / Float Glass

台玻太倉工程玻璃有限公司 TTAR
TG TAICANG ARCHITECTURAL GLASS CO., LTD.
2010年成立
低輻射玻璃 / Low-E Glass

台玻武漢工程玻璃有限公司 TWAR
TG WUHAN ARCHITECTURAL GLASS CO., LTD.
2010年成立
低輻射玻璃 / Low-E Glass



TF, 250,068 M² (375 畝)



TF-4, 260,343 M² (395 畝)



TC, 272,480 M² (408 畝)



QFG, 429,126 M² (643 畝)



CFG, 404,770 M² (607 畝)



TXY, 452,703 M² (679 畝)



CDG, 452,027 M² (678 畝)



HNG, 364,907 M² (547 畝)



DHG, 398,096 M² (597 畝)



TJG, 300,448 M² (450 畝)



TAH, 572,643 M² (858 畝)



TTAR, 199,525 M² (300 畝)



TWAR, 222,000 M² (333 畝)

生產基地 Production Facilities

玻璃纖維增強絲 / 玻璃纖維布
Fiberglass Reinforced / Fiberglass Fabric

台灣桃園廠 TT
TAIWAN TAOYUAN FACTORY
1990年投產
玻璃纖維增強絲 / 玻璃纖維布
Fiberglass Reinforced / Fiberglass Fabric

台灣鹿港廠 TL
TAIWAN LUKANG FACTORY
1998年投產
玻璃纖維布 / Fiberglass Fabric

台嘉蚌埠玻璃纖維有限公司 TBF
TAICHIA BENGBU GLASS FIBER CO., LTD.
2012年成立
玻璃纖維布 / Fiberglass Fabric

台嘉玻璃纖維有限公司 TGF
TAICHIA GLASS FIBER CO., LTD.
2001年成立
玻璃纖維布 / Fiberglass Fabric

台嘉成都玻纖有限公司 TCD
TAICHIA CHENGDU GLASS FIBER CO., LTD.
2011年成立
玻璃纖維布 / Fiberglass Fabric

生產基地 Production Facilities

容食廚玻璃
Glass Container / Glass Tableware &
Glass Kitchenware

台灣新竹廠 TS
TAIWAN HSINCHU FACTORY
1967年投產
容器玻璃 / 食器玻璃 / 廚器玻璃
Glass Container / Glass Tableware / Glass Kitchenware

汽車玻璃
Automotive Glass

台灣汽車玻璃有限公司 TAGC
TAIWAN AUTOGLASS IND. CORP.
1988年成立
汽車玻璃 / Automotive Glass

台玻悅達汽車玻璃有限公司 TYAU
TG YUEDA AUTOGLASS CO., LTD.
2010年成立
汽車玻璃 / Automotive Glass

鹽化工
Salt Chemical

實聯化工江蘇有限公司 SCJ
SHIHLIEN CHEMICAL INDUSTRIAL
JIANGSU CO., LTD.
2009年成立
純鹼 / 氯化銨 / 生技鹽 / 超純氨
Soda Ash / Ammonium Chloride / Biotech Salt /
Ultra Pure Ammonia



TT, 181,181 M² (271 畝)



TL, 260,343 M² (395 畝)



TGF, 323,539 M² (485 畝)



TS, 129,090 M² (173 畝)



TYAU, 132,755 M2 (199 畝)



SCJ, 2,000,010 M² (3,000 畝)



TCD, 362,668 M² (544 畝)



TBF, 370,668m²(557畝)

集團一覽 Company List

截至2025-03-31

項目 Item	創立 Est.	資本額 Capital		營業項目 Business Scope	主要股東 Major Shareholder	持股率 Holding %
		千元	US\$000			
台灣玻璃工業股份有限公司 Taiwan Glass Ind. Corp.	TGI 1964	29,080,608	—	玻璃製造 Glass Mfg.	THG	63
台灣玻璃美國銷售有限公司 Taiwan Glass USA Sales Corp.	TGUS 1973	—	461	玻璃銷售 Glass Sales	TGI	100
台灣汽車玻璃股份有限公司 Taiwan Autoglass Ind. Corp.	TAGC 1988	300,000	—	汽車玻璃製造 Automotive Glass Mfg.	TGI	87
台灣玻璃中國控股有限公司 Taiwan Glass China Holding Ltd.	TGCH 1993	—	1,040,000	大陸投資控股公司 China Investment	TGI	94
台玻青島玻璃有限公司 TG Qingdao Glass Co., Ltd.	QFG 1993	—	87,800	平板玻璃製造 Flat Glass Mfg.	TGCH	100
青島壓花玻璃有限公司 Qingdao Rolled Glass Co., Ltd.	QRG 1993	—	29,293	壓花玻璃製造 Rolled Glass Mfg.	TG-G	100
台玻長江玻璃有限公司 TG Changjiang Glass Co., Ltd.	CFG 1994	—	94,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台嘉玻璃纖維有限公司 Taichia Glass Fiber Co., Ltd.	TGF 2001	—	110,000	玻璃纖維布製造 Fiberglass Fabric Mfg.	TGCH	100
台玻成都玻璃有限公司 TG Chengdu Glass Co., Ltd.	CDG 2002	—	70,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台玻華南玻璃有限公司 TG Huanan Glass Co., Ltd.	HNG 2003	—	106,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台玻東海玻璃有限公司 TG Donghai Glass Co., Ltd.	DHG 2003	—	80,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台玻天津玻璃有限公司 TG Tianjin Glass Co., Ltd.	TJG 2004	—	96,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台玻咸陽玻璃有限公司 TG Xianyang Glass Co., Ltd.	TXY 2010	—	100,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台玻太倉工程玻璃有限公司 TG Taicang Architectural Glass Co., Ltd.	TTAR 2010	—	35,000	Low-E 玻璃製造 Low-E Glass Mfg.	TGCH	100
台玻悅達汽車玻璃有限公司 TG Yueda Autoglass Co., Ltd.	TYAU 2010	—	68,000	汽車玻璃製造 Automotive Glass Mfg.	TG-G	60
台玻安徽玻璃有限公司 TG Anhui Glass Co., Ltd.	TAH 2010	—	85,000	平板玻璃製造 Flat Glass Mfg.	TGCH	100
台玻武漢工程玻璃有限公司 TG Wuhan Architectural Glass Co., Ltd.	TWAR 2010	—	73,805	Low-E 玻璃製造 Low-E Glass Mfg.	TGCH	100
台嘉成都玻纖有限公司 Taichia Chengdu Glass Fiber Co., Ltd.	TCD 2011	—	153,000	玻璃纖維布製造 Fiberglass Fabric Mfg.	TGCH	100
台嘉蚌埠玻璃纖維有限公司 Taichia Bengbu Glass Fiber Co., Ltd.	TBF 2012	—	60,000	玻璃纖維布製造 Fiberglass Fabric Mfg.	TGCH	100
台玻文教基金會 TG Cultural & Educational Foundation	TG-F 1989	170,000	—	文教事業 Cultural & Educational Fdn.	TGI	100
總資本額 Total		29,550,608	2,288,359			

2024 年度營運報告 2024 Operation Report

2024年度 營運報告	2024/2023	
	銷售量	3,237千公噸(-7.3%)
營業收入	42,503百萬元(-6.8%)	=U\$ 1,324 mil
營業損失	(1,286)百萬元(-363.8%)	= U\$ (40) mil
營業外收支	11百萬元(-98%)	= U\$ 0 mil
稅前淨損	(1,275)百萬元(-544.8%)	= U\$ (40) mil
稅後淨損	(1,754)百萬元(-7,160.5%)	= U\$ (55) mil
稅後淨損歸屬於母公司業主	(1,572)百萬元(-4,642.9%)	= U\$ (49) mil
母公司業主權益	48,437百萬元(+1.9%)	= U\$ 1,477 mil
股票市值	47,547百萬元(-13.7%)	= U\$ 1,450 mil
每股純益 (0.54) 元，股東權益每股16.66元=U\$0.51，考量次年度資本預算規劃，2024年度擬不配發股東股息。		

2024 年生產

平板玻璃	台灣 大陸	台中廠平板玻璃1座及鹿港廠平板玻璃1座，計2座生產線，年產 259千公噸 (-11.1%) 昆山、成都、天津、東莞、青島、東海、咸陽及安徽廠平板玻璃，計11座生產線，年產 2,582千公噸 (+2.9%)
玻布 / 玻纖	台灣 大陸	桃園廠玻纖生產線及鹿港廠玻布生產線，年產 47千公噸 (+0.7%) 昆山廠玻布2座、成都廠玻布1座、蚌埠廠玻布1座，計4座生產線，年產 47千公噸 (-6.6%)
容食廚玻璃	台灣	新竹廠容食廚器玻璃6座生產線，年產 144千公噸 (-3.4%)
汽車玻璃	台灣 大陸	台中廠汽車玻璃生產線，年產 6千公噸 (-1.5%) 鹽城廠汽車玻璃生產線，年產 16千公噸 (-8.0%)
合計		3,101千公噸 (+1.0%)

2024 年銷售

平板玻璃	台灣 大陸 計	銷售量 281千公噸 (-3.5%)，銷售額 4,695百萬元 (-0.1%) 銷售量 2,659千公噸 (-8.4%)，銷售額 23,547百萬元 (-19.4%) 計 2,940千公噸，新台幣28,242百萬元 = U\$ 879mil (-16.7%)，佔集團營業額 64.6%
玻布 / 玻纖	台灣 大陸 計	銷售量 50千公噸 (-2.3%)，銷售額 4,429百萬元 (+21.9%) 銷售量 76千公噸 (+7.7%)，銷售額 5,557百萬元 (+15.9%) 計 126千公噸，新台幣 9,986百萬元 = U\$311mil (+18.5%)，佔集團營業額 22.8%
容食廚玻璃	台灣	銷售量 148千公噸(-3.2%)，銷售額 3,887百萬元 = U\$121mil (+1.5%)，佔集團營業額 8.9%
汽車玻璃	台灣 大陸 計	銷售量 6千公噸(-0.6%)，銷售額607百萬元 (-0.7%) 銷售量 17千公噸(-6.8%)，銷售額1,019百萬元 (-1.8%) 計 23千公噸，新台幣 1,626百萬元 = U\$ 51mil (-1.4%)，佔集團營業額 3.7%

合計	銷售量3,237千公噸，銷售額新台幣 43,741百萬元 = U\$ 1,362mil (-8.5%)，減合併沖銷後，銷售額新台幣42,503百萬元 = U\$ 1,324mil (-6.8%)，內銷佔 83 %，外銷佔 17%
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2024 Operation Report

2024 Operation Performance	2024/2023		
	Sales Volume	3,237,232 MT	(-7.3%)
	Operating Revenue	U\$ 1,324 mil	(-6.8%)
	Operating Loss	U\$ (40) mil	(-363.8%)
	Non-operating Income and Expenses	U\$ 0 mil	(-98%)
	Loss Before Tax	U\$ (40) mil	(-544.8%)
	Net Loss After Tax	U\$ (55) mil	(-7,160.5%)
	Loss After Tax Attributable to Stockholders of the Parent	U\$ (49) mil	(-4,642.9%)
	Total Equity Attributable to Stockholders of the Parent	U\$ 1,477 mil	(+1.9%)
Stock Market Value			
		U\$ 1,450 mil	(-13.7%)
Earnings per share：U\$(0.02), Equity per share: U\$0.51			
In consideration of planning capital budget for next year, it is proposed not to distribute dividend to stockholders for FY 2024.			

2024 Production

Flat Glass	Taiwan	2 float plants, annual production 258,807MT (-11.1%)
	China	11 float plants, annual production 2,581,804MT (+2.9%)
Fiberglass / Fiberglass Fabric	Taiwan	Taoyuan glass fiber plant, & Lukang glass fabric plant, annual production 46,845MT (+0.7%)
	China	4 glass fabric plants, annual production 47,186MT (-6.6%)
Glass Container & Glassware	Taiwan	6 plants, annual production 143,661MT (-3.4%)
Automotive Glass	Taiwan	TAGC plant, annual production 6,258MT (-1.5%)
	China	TYAU plant, annual production 16,553MT (-8.0%)
Group Total		3,101,114MT (+1.0%)

2024 Sales

Flat Glass	Taiwan	Volume 280,865MT (-3.5%), sales revenue U\$146mil (-0.1%)
	China	Volume 2,659,391MT (-8.4%), sales revenue U\$733mil (-19.4%)
	Total	2,940,256MT, U\$879 mil (-16.7%), 64.6% of group sales
Fiberglass / Fiberglass Fabric	Taiwan	Volume 50,024 MT (-2.3%), sales revenue U\$138mil (+21.9%)
	China	Volume 76,108 MT (+7.7%), sales revenue U\$173mil (+15.9%)
	Total	126,132MT, U\$311 mil (+18.5%), 22.8% of group sales
Glass Container & Glassware	Taiwan	Volume 147,458MT(-3.2%), sales revenue U\$121mil (+1.5%), 8.9% of group sales
Automotive Glass	Taiwan	Volume 6,351MT(-0.6%), sales revenue U\$19mil (-0.7%)
	China	Volume 17,035MT(-6.8%), sales revenue U\$32mil (-1.8%)
	Total	23,386MT, U\$51 mil (-1.4%), 3.7% of group sales
3,237,232MT, revenue U\$1,362mil (-8.5%)：		
Net Sales revenue U\$1,324mil (-6.8%)		
domestic market 83% and export 17%		

合併財務一覽 Consolidated Financial Scan

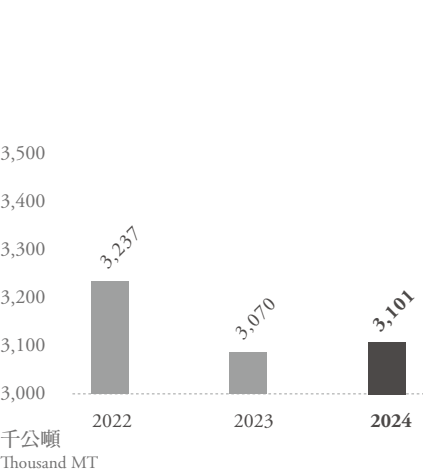
項目 Item	單位 Unit	2023	2024	＋%	－%
銷售量 Sales Volume	公噸 MT	3,493,646	3,237,232		7.3
營業收入 Operating Revenue	千元 U\$000	45,619,038 1,464,261	42,502,810 1,323,580		6.8
營業（損失） Operating (Loss)	千元 U\$000	(277,282) (8,900)	(1,286,126) (40,051)		363.8
營業外收入及支出 Non-operating Income and Expenses	千元 U\$000	563,923 18,100	11,158 347		98.0
稅前淨利(損) Income (Loss) Before Tax	千元 U\$000	286,641 9,200	(1,274,968) (39,704)		544.8
稅後淨利(損) Net Income (Loss) After Tax	千元 U\$000	24,849 798	(1,754,454) (54,635)		7,160.5
稅後淨利(損)歸屬於母公司業主 Income (Loss) After Tax Attributable to Stockholders of the Parent	千元 U\$000	34,594 1,110	(1,571,562) (48,940)		4,642.9
每股純益 Earnings Per Share	元 U\$	0.01 0.00	(0.54) (0.02)		5,500.0
純益率 Earning Ratio	%	0.05	(4.13)		8,360.0
每股股利 (現金+股票) Dividend Per Share (Cash+Stock)	元 U\$	0 0.0000	0 0.0000		
資產總額 Total Assets	千元 U\$000	90,477,877 2,946,682	90,375,732 2,756,618		0.1
實收資本 Capital	千元 U\$000	29,080,608 947.097	29,080,608 887,010		
母公司業主權益 Total Equity Attributable to Stockholders of the Parent	千元 U\$000	47,555,057 1,548,772	48,436,671 1,477,404		1.9
每股淨值 Equity Per Share	元 U\$	16.35 0.53	16.66 0.51		1.9
自有資本率 Shareholders' Equity to Total Assets Ratio	%	52.5	53.6		2.1
合併權益報酬率 Return on Total Equity	%	0.0	(3.4)		0.0
股票市值 Stock Market Value	千元 U\$000	55,107,752 1,794,748	47,546,794 1,450,261		13.7
新投資金額 New Capital Expenditure	千元 U\$000	4,175,421 134,021	4,030,876 125,526		3.5

合併資產負債表 Consolidated Balance Sheet

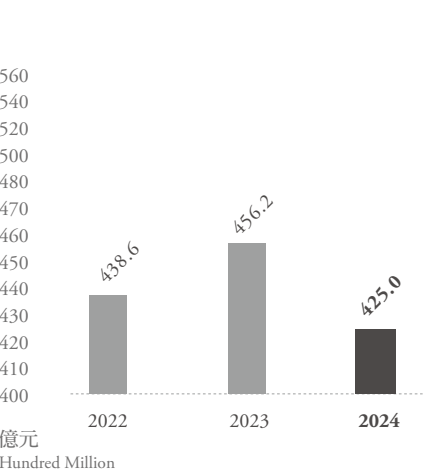
		2023			2024		
		千元	U\$000	%	千元	U\$000	%
資產 Assets	流動資產 Current Assets	37,395,343	1,217,891	41.3	36,395,702	1,110,133	40.3
	採用權益法之投資 Investments Accounted for Using the Equity Method	7,227,111	235,372	8.0	7,258,821	221,406	8.0
	不動產、廠房及設備 Property, Plant and Equipment	41,731,313	1,359,105	46.1	42,172,590	1,286,338	46.7
	其他非流動資產 Other Noncurrent Assets	4,124,110	134,314	4.6	4,548,619	138,741	5.0
	資產合計 Total Assets	90,477,877	2,946,682	100.0	90,375,732	2,756,618	100.0
負債 Liabilities	流動負債 Current Liabilities	27,580,360	898,237	30.5	31,195,281	951,511	34.5
	長期負債 Long-term Loan	10,190,152	331,873	11.3	5,820,000	177,520	6.5
	其他非流動負債 Other Noncurrent Liabilities	1,996,783	65,031	2.2	1,993,183	60,795	2.2
	負債合計 Total Liabilities	39,767,295	1,295,141	44.0	39,008,464	1,189,826	43.2
權益 Equity	母公司業主權益計 Total Equity Attributable to Stockholders of the Parent	47,555,057	1,548,772	52.5	48,436,671	1,477,404	53.6
	實收資本 Capital	29,080,608	947,097		29,080,608	887,010	
	非控制權益 Non-controlling Interests	3,155,525	102,769	3.5	2,930,597	89,388	3.2
	權益合計 Total Equity	50,710,582	1,651,541	56.0	51,367,268	1,566,792	56.8
負債及權益 Liabilities & Equity		90,477,877	2,946,682	100.0	90,375,732	2,756,618	100.0

歷年財務簡表 Financial Charts by Year

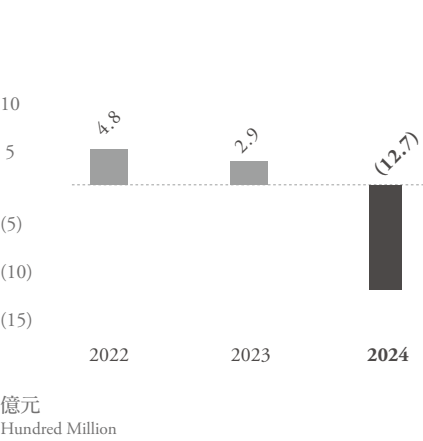
生產量 Capacity



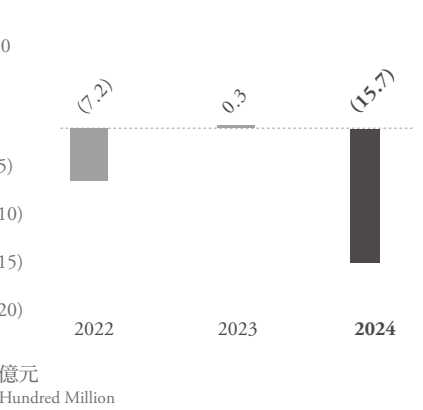
營業收入 Operating Revenue



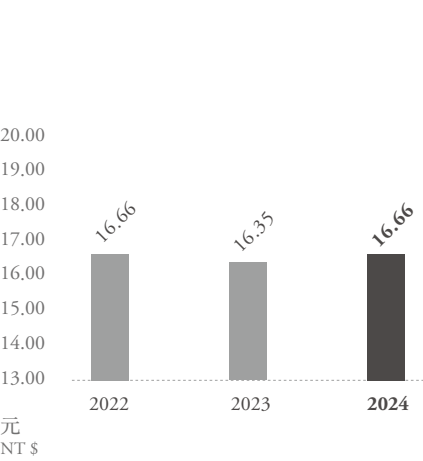
稅前淨利(損)
Income (Loss) Before Tax



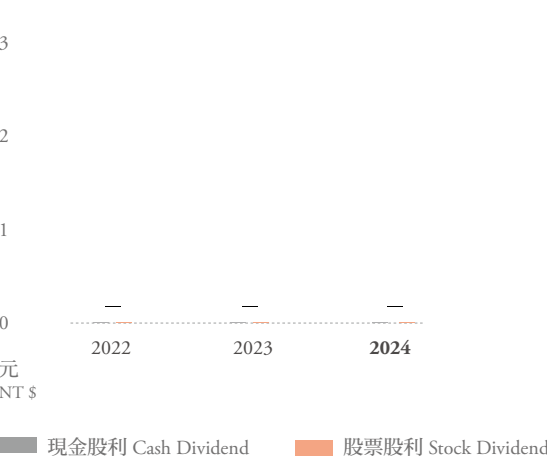
稅後淨(損)利歸屬於母公司業主
(Loss) Income After Tax Attributable to Stockholders of the Parent



每股淨值 Equity Per Share



每股股利 Dividend Per Share



董事長致詞

2025年
展望



各位董事、股東好

2024年全球經濟面臨多重變數，市場普遍預期降息周期即將展開。然而，美國總統川普上任後推出多項關稅政策，全球經濟與產業發展壟罩不確定性及高度風險，世界各國採取不同應對措施，使全球貿易充滿詭譎複雜情勢。

請政府研討在美國關稅政策下，中、美關係經濟變局的策略，台灣以外貿為主導，應積極洽簽台美投資保障協定，並持續推動兩岸經貿交流，以維持市場佔有率；同時，加速傳統產業的升級轉型，鼓勵開發新的商業模式，調整供應鏈配置，多元布局及擴大市場，審慎應對可能因關稅所造成的客戶轉單、產能過剩及外銷產品擠壓內銷市場等議題，減輕對於產業的衝擊，以及完善相關配套政策，確保在國際市場的競爭力。

綜觀台玻2024年，集團2024年合併營收425億元，稅後淨損15.7億元，以下就各產品營業內容進行報告：

在平板玻璃方面，低輻射Low-E玻璃在住宅中的使用有所增加，反映出市場對高性能建材的需求提升，因應原物料及工業用水、電費調漲，各廠響應減碳及潔淨能源政策，除了建置廢熱回收鍋爐系統，有效利用窯爐多餘熱源，鹿港廠將天然氣設為窯爐主燃料，重油為備用燃料，置換率已達到90%，各廠提升生產自動數位化，增加AI應用分析，取得生產、能耗最佳參數。為尋求增長，公司持續關注新興應用領域，如智慧城市、淨零碳排放政策產業發展，皆可能增加產品需求。

對於中國大陸市場，儘管持續釋出振興政策，推動房地產與內需市場回溫，但結構性挑戰仍然存在。建築端需求增長維持偏弱局面，新能源汽車和智慧家居的興起，未來可望帶動高端應用產品如超薄、光電玻璃的供應。

在纖維事業方面，資訊傳輸進入高頻高速時代，網通設備用的印刷電路板（PCB），必須使用低介電（Low DK）材料，以及特殊規格的低膨脹係數（Low CTE）玻纖布，才能有效達到高頻高速、AI智能應用的性能要求。台玻一代及二代低介電Low DK玻纖布、低膨脹係數Low CTE玻纖布等三款產品均通過客戶認證採用，公司在產品開發上持續精進、改良，並因應產業市場需求狀況做最新調整。

在容食廚品牌方面，內銷市場持續穩定，外銷耐熱產品以優良品質深獲客戶肯定，國外客戶在市場均具知名品牌影響力與通路優勢，提升了訂單量及利潤。

台玻轉投資實聯化工江蘇公司43.99%，2024年純鹼與氯化銨因受制於行業產能及庫存變化影響，全年價格均處於低位。實聯中控合併營業收入3.9億美元，合併淨利約156萬美元。

對於外部及法規環境風險方面，台灣將實施有別於全球的碳費制度，可能對國內產業轉型造成阻力，碳費制度設計不僅影響產業，更應通盤考量對經濟、社會的衝擊，基本工資、電費等成本同步調升，對產業形成負擔財務衝擊，未來企業經營勢必得將碳成本納入評估，積極採取節能措施，提升能源使用效率，以降低成本壓力，而政府也需要更周全地考量台灣碳費對於國際貿易與供應鏈的影響，鼓勵企業投資低碳技術與綠色能源。進一步提供投資、稅收抵減、融資利息補助等措施。

在企業永續經營方面，台玻連續9年榮獲台灣企業永續獎評比企業永續報告獎「傳統製造業銀獎」、TCSA台灣企業永續獎之評比榮獲「單項績效循環經濟領袖獎」、「創新成長領袖獎」、「台灣百大大永續典範企業獎」等多項ESG榮譽。公司溫室氣體總排量連續3年下降合計136,690噸(-18.4%)，重油使用量減少44.28%，LPG減少77.45%，外購電力減3,900萬度(-8.1%)，各廠合計節電667萬度，無論是永續綜合績效或單項績效，皆獲各界肯定。

展望未來，鑒於AI應用、大數據分析、自動化技術的已進入高速成長階段，也是企業競爭力的重要關鍵。我們將持續投入資源，加速布局綠色轉型，優化營運模式，以符合國際標準，提升生產效率與市場應變能力，確保在全球競爭中保持優勢。台玻將持續秉持穩健經營的理念，以迎接未來的挑戰與機遇。

林伯豐

2025.06.11

Chairman's Message

2025
Operation Perspectives

Dear directors and stockholders,

In 2024, the global economy is confronted with multiple uncertainties. While the market broadly anticipates the commencement of an interest rate reduction cycle, the tariff policies implemented by U.S. President Trump have introduced heightened uncertainty and risk into global economic and industrial development. As countries adopt varying countermeasures, the landscape of international trade has become increasingly complex and unpredictable.

In light of these developments, it is recommended that the government assess strategic responses to the shifting economic relationship between the United States and China under the prevailing tariff framework. Given Taiwan's export-oriented economic structure, it is imperative to actively pursue the negotiation of a Taiwan-U.S. Investment Protection Agreement and to continuously promote cross-strait economic and trade exchanges to preserve market share. Concurrently, efforts should be accelerated to upgrade and transform traditional industries, foster innovative business models, adjust supply chain configurations, diversify deployment strategies, and expand market reach. Proactive and prudent measures must be taken to address potential challenges arising from tariff-induced order transfers, overcapacity, and the crowding out of domestic markets by export products. Supporting policy mechanisms should be enhanced to mitigate industrial impacts and safeguard Taiwan's competitiveness in the international market.

In review of Taiwan Glass's performance in 2024, the Group reported consolidated revenue of NT\$42.5 billion and a net loss after tax of NT\$1.57 billion. The following outlines the business performance by product category:

In terms of flat glass, the use of low-emissivity (Low-E) glass in residential applications increased, reflecting rising market demand for high-performance building materials. In response to rising costs of raw materials, industrial water, and electricity, all plants have aligned with carbon reduction and clean energy policies. In addition to installing waste heat recovery boiler systems to efficiently utilize excess heat from furnaces, the Lukang plant adopted natural gas as the primary fuel for furnaces, with heavy oil as backup; the fuel substitution rate has reached 90%. All plants have enhanced digital automation in production and increased AI-driven analysis to identify optimal parameters for production and energy consumption. To pursue growth, the Company continues to monitor emerging application fields, such as smart cities and industries under net-zero carbon emission policies, which are expected to drive future product demand.

Regarding the China market, although various stimulus policies have been introduced to revive the real estate and domestic demand sectors, structural challenges persist. Demand from the construction sector remains weak, but the rise of new energy vehicles and smart home applications is expected to increase demand for high-end products such as ultra-thin and photovoltaic glass.

In the fiber business segment, as information transmission enters the era of high frequency and high speed, printed circuit boards (PCBs) used in network communication equipment are required to utilize low dielectric constant (Low DK) materials and fiberglass fabrics with specially designed low coefficient of thermal expansion (Low CTE) in order to meet the performance demands of high-frequency, high-speed, and AI-driven applications. Taiwan Glass's first-generation and second-generation Low DK fiberglass fabrics, as well as Low CTE fiberglass fabrics—three product types in total—have all passed customer certification and have been adopted for use. The Company continues to enhance and refine product development, and makes timely adjustments in response to industry trends and market demand.

In the container, tableware, kitchenware and private brand sector, the domestic market remained stable, while exported heat-resistant products continued to receive strong recognition from customers for their high quality. Overseas clients, with well-established brand influence and distribution advantages in their respective markets, contributed to increased order volumes and profitability.

In terms of Shihlien Chemical Industrial Jiangsu Co., Ltd. (SCJ, 43.99% of its shareholding held by Taiwan Glass) in 2024, prices of soda ash and ammonium chloride remained low due to industry-wide production capacity and inventory fluctuations. China United Chemical reported consolidated operating revenue of USD 390 million and a consolidated net profit of approximately USD 1.56 million.

On the path toward corporate sustainability, Taiwan Glass has, for nine consecutive years, received the Silver Award for Corporate Sustainability Reporting in the Traditional Manufacturing category of the Taiwan Corporate Sustainability Awards (TCSA). Additionally, the Company has been recognized with several distinguished ESG honors, including the "Circular Economy Leadership Award," "Innovative Growth Leadership Award," and the "Top 100 Sustainable Companies in Taiwan Award." Over the past three years, Taiwan Glass has achieved a cumulative reduction of 136,690 metric tons in greenhouse gas emissions (-18.4%), reduced heavy oil usage by 44.28%, LPG consumption by 77.45%, and purchased electricity by 39 million kWh (-8.1%). Energy-saving initiatives across all facilities have resulted in an accumulated electricity saving of 6.67 million kWh. The Company's outstanding performance in both integrated and individual sustainability indicators has earned widespread recognition.

Looking ahead, as applications of artificial intelligence, big data analytics, and automation technologies enter a phase of rapid advancement, these capabilities will be instrumental in shaping future competitiveness. Taiwan Glass remains committed to strategic investment in green transformation, optimization of its operational models in line with international standards, and enhancement of production efficiency and market responsiveness. The Company will continue to uphold its philosophy of prudent management to meet future challenges and seize emerging opportunities in the global marketplace.

Lin, Por Fong

2025.06.11

台灣玻璃工業公司第 21 屆董事 / 第 4 屆審計委員 (2024-2027)
TGI 21th Directors / 4th Audit Committee

董事長 Chairman	林伯豐 Lin, P F Since 1967				
總經理 總裁 President & CEO	林伯實 Lin, P S Since 1967				
駐會董事 Executive Director	林伯淳 Lin, P C Since 1976				
董事 Directors	林瀚東 Lim, H T Since 2009	彭誠浩 Peng, C H Since 2018	徐莉玲 Hsu, L L Since 2015		
	林嘉宏 Lin, C H Since 2000	林嘉佑 Lin, C Y Since 2004	林嘉明 Lin, C M Since 2006	連勝武 Lien, S W Since 2021	
獨立董事/審計委員 Independent Directors/ Audit Committe	林聖忠 Lin, S C Since 2021	林瑞岳 Lin, Z Y Since 2021	王瑜哲 Wang, Y C Since 2021	陳海鳴 Chen, H M Since 2025	林孟立 Lin, M L Since 2025

台灣玻璃工業公司第 21 屆董事 / 第 4 屆審計委員 (2024-2027)
TGI 21th Directors / 4th Audit Committee



林伯豐
Lin, P F



林伯實
Lin, P S



林伯淳
Lin, P C



林瀚東
Lim, H T



彭誠浩
Peng, C H



徐莉玲
Hsu, L L



林嘉宏
Lin, C H



林嘉佑
Lin, C Y



林嘉明
Lin, C M



連勝武
Lien, S W



林聖忠
Lin, S C



林瑞岳
Lin, Z Y



王瑜哲
Wang, Y C



陳海鳴
Chen, H M



林孟立
Lin, M L

台灣經營團隊 Taiwan Management Team

董事長 Chairman	林伯豐 Lin, P F	大陸事業部 平板事業部 營運長 COO, China Prod./Flat	林嘉宏 Lin, C H
總經理 總裁 President & CEO	林伯實 Lin, P S	平板事業部營業副總 VGM, Flat Sales	陳紀澄 Chen, C Y
駐會董事 Executive Director	林伯淳 Lin, P C	台中廠／鹿港廠平板廠／ 平板研發部廠長 Plant Dir., TF/TL Flat/Flat Glass R&D	陳國明 Chen, K M
纖維事業部總經理 GM, Fiber	林嘉佑 Lin, C Y	玻璃新材料部副總 VGM, New Glass Materials	趙宏榮 Chao, H J
纖維事業部副總 VGM, Fiber	蔡維新 Tsai, W S		
		容食事業部總經理 GM, Container & Glassware	謝進興 Hsieh, C H
鹿港廠副總 VGM, TL	劉敏雄 Liu, M H	新竹廠副總 VGM, TS	吳蔚騰 Wu, W T
鹿港廠廠長 Plant Dir.,TL	張立成 Chang, L C	容器部內銷協理 AGM,Container Domestic Sales	曹志維 Tsao, C W
桃園廠廠長 Plant Dir., TT	余哲超 Yu, C C	容器部外銷協理 AGM,Container Export Sales	吳明德 Wu, M T
		新竹廠生產協理 AGM, Prod., TS	沈賢輝 Shen, H H
財務/管理本部總經理 GM, Finance/ Admin	林嘉明 Lin, C M		
管理本部副總 VGM, Admin.	洪有欽 Hung, Y C	車板本部總經理 GM, Autoglass	呂宗祥 Lu, T H
採購本部副總 VGM, Purchasing	蔡增銘 Tsai, T M	車板本部營業部協理 AGM, Autoglass Sales	林信宏 Lin, HH

大陸經營團隊 China Management Team

台灣玻璃中國控股有限公司 TGCH	董事長 Chairman 副董事長 Vice Chairman 董事 Directors	林伯豐 Lin, P F 林伯實 Lin, P S 林伯淳 Lin, P C 林嘉宏 Lin, C H	林嘉佑 Lin, C Y	林嘉明 Lin, C M
台玻長江玻璃有限公司 CFG	董事長 Chairman 總經理 GM 專案組總經理 GM,Project	林嘉宏 Lin, C H 朱太國 Chu,T K 王鳳寶 Wang, F P		
台玻成都玻璃有限公司 CDG	董事長 Chairman 總經理 GM	林嘉宏 Lin, C H 李廣玉 Li, K Y		
台玻咸陽玻璃有限公司 TXY	董事長 Chairman 總經理 GM	林嘉宏 Lin, C H 張政峰 Chang, C F		
台玻安徽玻璃有限公司 TAH	董事長 Chairman 總經理 GM	林嘉宏 Lin, C H 李 虎 Li, H		
台玻太倉工程玻璃有限公司 TTAR	董事長 Chairman	林嘉宏 Lin, C H		
台玻武漢工程玻璃有限公司 TWAR	董事長 Chairman	林嘉宏 Lin, C H		

大陸經營團隊 China Management Team

台嘉玻璃纖維有限公司 TGF	董事長 Chairman 纖維事業部總經理 GM, Fiber 副總 VGM	林伯豐 Lin, P F 林嘉佑 Lin, C Y 王明慶 Wang, M C	營業部副總 VGM, Sales	蔡維新 Tsai, W S
台嘉成都玻纖有限公司 TCD	董事長 Chairman 纖維事業部總經理 GM, Fiber 副總 VGM	林伯豐 Lin, P F 林嘉佑 Lin, C Y 林雲炎 Lin, Y Y	營業部副總 VGM, Sales	蔡維新 Tsai, W S
台嘉蚌埠玻璃纖維有限公司 TBF	董事長 Chairman 纖維事業部總經理 GM, Fiber 總經理 GM	林伯豐 Lin, P F 林嘉佑 Lin, C Y 蕭世欽 Hsiao, S C	營業部副總 VGM, Sales	蔡維新 Tsai, W S
台玻青島玻璃有限公司 QFG	董事長 Chairman 總經理 GM	林伯實 Lin, P S 宋成紅 Sung, C H		
台玻東海玻璃有限公司 DHG	董事長 Chairman 總經理 GM	林伯實 Lin, P S 陳月進 Chen, Y C	副總 VGM	顏和平 Yan, H P
台玻華南玻璃有限公司 HNG	董事長 Chairman 總經理 GM 節能玻璃部鍍膜副總 VGM, LE coating	林伯淳 Lin, P C 李天明 Li, T M 趙新臣 Chao, H C	鏡板部副總 VGM, Mirror glass	趙成家 Chao, C C
台玻天津玻璃有限公司 TJG	董事長/總經理 Chairman /GM 節能玻璃部副總 VGM, LE glass	林伯淳 Lin, P C 趙新臣 Chao, H C	管理部/浮法玻璃部副總 VGM, Admin/Flat	侯琨玉 Hou, K Y

集團產能 Production Capacity

台玻集團各產品總產能
Total Production Capacity of Each Product

產品 Products	台灣 Taiwan		大陸 China		合計 Total	
	窯爐座 Furnaces	噸 MT	窯爐座 Furnaces	噸 MT	窯爐座 Furnaces	噸 MT
浮式平板玻璃 Float Glass	2	340,000	11	2,771,000	13	3,111,000
玻璃纖維布、玻璃纖維增強絲 Fiberglass Fabric /Fiberglass Reinforced	-	80,000	4	125,000	4	205,000
容、廚器玻璃 Glass Container /Glassware	6	165,400	-	-	6	165,400
合 計 Total	8	585,400	15	2,896,000	23	3,481,400

台玻集團Low-E線加工產能
Capacity of Low-E Processing Production Lines

產品 Products	台灣 Taiwan		大陸 China		合計 Total	
	生產線 Lines	千 M² Thousand M²	生產線 Lines	千 M² Thousand M²	生產線 Lines	千 M² Thousand M²
低輻射 Low-E 玻璃 Low-E Glass	1	4,000	9	41,000	10	45,000

台玻集團汽車玻璃加工線產能
Capacity of Automotive Glass Processing Production Lines

產品 Products	台灣 Taiwan		大陸 China		合計 Total	
	產線 Lines	千台 Thousand Cars	產線 Lines	千台 Thousand Cars	產線 Lines	千台 Thousand Cars
汽車玻璃 Automotive Glass	1	300	2	2,270	3	2,570

產品介紹 Products

平板玻璃

平板玻璃為台玻核心產品，台灣及中國大陸為台玻平板玻璃生產製造的兩大區域。產品行銷台灣、中國、日本、韓國、東南亞、北美、中東、澳洲、歐洲、南非等世界各地區。

建築用

浮式明板玻璃 / 浮式色板玻璃

浮式明板玻璃表面平滑，波紋少，透視性佳；透過調拌適量高溫色料，成為色板玻璃，可減少輻射熱的穿透，節省能源，增加建築物外觀色彩變化，創造更高價值感受。

壓花玻璃

具有透光不透視之特性，亦可創造各種不同的模糊光影及陰影。

低輻射玻璃 / 低輻射複層玻璃

低輻射玻璃具高可見光透過率及低紅外線透過，隔熱效果極佳，符合環保節能及綠建材、綠建築的需求。低輻射複層玻璃為目前隔熱性能最佳的玻璃，同時也提供良好的隔音性能。台玻生產的低輻射玻璃，輻射率可達最高級的0.02。

反射玻璃

可降低太陽熱能直接穿透量，隔熱性能高，提供室內舒適感，亦能節省能源，並提供建築物多彩和諧的外觀。

減反射玻璃

大幅降低玻璃可見光反射率並提升可見光透過率，可減少建築物外牆玻璃的光汙染，增加展覽空間玻璃的穿透影像清晰度並減少眩光造成的視覺干擾。

強化玻璃/熱浸處理

強度約為普通玻璃的3-5倍，當玻璃遭受外力破壞時會碎裂成豆粒大的顆粒，減少對人體的傷害，增加玻璃使用的安全性；強化玻璃有瞬間破裂的風險，應作熱浸處理(Heat Soak test)，確保使用上更安全。

熱處理增強玻璃

強度為普通玻璃的2倍，波紋較強化玻璃平整，且不易瞬間破裂。

膠合玻璃 / 高性能隔音膠合玻璃

具有安全性、防犯性、阻隔紫外線、防止玻璃碎片飛散等特性，如使用有色膠合膜，可提升建築物外觀的美感，且可減輕熱能進入室內，節省空調能源，增加生活環境舒適度。台玻開發之高性能隔音膠合玻璃，除上述特點，提供更佳的中高頻的隔音效果，進一步提高隔音能力。

網印漆板玻璃

色澤多樣化，穩定不褪色，可減少太陽熱能進入室內，降低空調費用，經強化處理，安全性高，可替代石材、磁磚，減輕建築物外牆結構負荷，亦可有效降低眩光作用。顏色及圖案能提供客製化，創造建物獨特性及美感。

彎曲玻璃 / 彎曲強化玻璃

增添建築物外觀的變化性，及室內隔間的多變性；經過強化加工後，強度為一般彎曲玻璃的3-5倍，可因應對彎曲造型更大尺寸的要求，視覺品質佳。

銀鏡玻璃

反射影像清晰、精準，背漆可耐酸、耐濕，環保銀鏡運用無銅、鉛製程，避免重金屬污染，符合地球環保潮流。

光電用

優白玻璃

具有比一般透明玻璃更優越的光學性能，更高的可見光及透過率，大量提升太陽熱能和用率，可使用在任何需要高透光及高透視場合或產品，例如太陽能電池BIPV及高級建材需求使用，以因應未來因石油資源枯竭，人類對節能環保及再生能源的需求。

超白光伏玻璃

主要用於晶體矽太陽電池板的蓋板玻璃，具有低含鐵量、高透光率、低光反射率、高平整度、高機械強度、抗風化、抗沖擊等優異特點。

微薄玻璃

台中廠TF5為全新微薄觸控玻璃生產線，全面導入電腦化自動生產管理系統、無塵室及機械手臂收片等設備。2014年11月正式投產，厚度1.1mm、0.7mm至0.55mm皆已量產，0.33mm也已產出，鋁含量提升至4%，產品經過多重檢驗嚴格把關，媲美日系供應廠商，達到高品質的國際水準，可供應國內外電子大廠生產高品質之消費性電子產品。

產品介紹 Products

汽車玻璃

台灣汽車玻璃股份有限公司，生產製造各式汽車用前擋風膠合玻璃、天窗、車門窗及後擋風強化玻璃。為台灣主要汽車玻璃供應商，市場佔有率44%；產品通過世界各國汽車零件品質安全認證：台灣車輛安全審驗中心、歐盟ECE、日本JIS、美國AS及中國CCC，並供應 TOYOTA、FORD、MAZDA、HONDA、NISSAN、HYUNDAI、SUZUKI等國內、外各大汽車製造廠生產線組裝及售後服務零件使用。

玻璃纖維增強絲

玻璃纖維的製造係將熔融狀的玻璃絲急冷固化而得之纖維狀材料。

用途: F.R.P(Fiber Reinforced Plastic)產業，利用玻璃纖維來強化塑膠材料，應用層面包括：船體類、營建類、耐腐蝕工程類、工程塑膠類、運動器材類、電子電器類、運輸工具類、航太軍事類等。台玻目前玻璃纖維增強絲產品有切股氈(CSM)、併股紗束(CR)、直捲紗束(DR)、編紗束(WR)、切股(CS/O-CS)。玻璃纖維的優異性為耐衝擊强度高、電氣絕緣性佳，是FRP產業中最廣泛使用之材料。

玻璃纖維紗、布

玻璃纖維紗／低介電(Low DK)／低熱膨脹係數(Low CTE)

係由慎選合格的原料精密混合，嚴格的生產條件控管，經由高溫熔解抽取而成。生產單纖直徑G(9μm)、E(7μm)、D(5μm)、及BC(4μm)全系列玻纖紗，品質精良。除可用於織造電子級玻纖布、低介電玻纖布、與低熱膨脹係數玻纖布作為印刷電路板(PCB)原材料外，亦被廣泛使用作為補強材及其他用途。

玻璃纖維布／低介電(Low DK)／低熱膨脹係數(Low CTE)

使用台玻自製優質玻璃纖維紗織造不同厚度之電子級玻纖布、低介電玻纖布、與低熱膨脹係數玻纖布，主要供應國內外銅箔基板大廠生產黏結片及高壓成型板材生產印刷電路板。應用範圍包含伺服器、資料中心、行動裝置、5G高頻高速資料傳輸、與IC載板，品質符合嚴格標準，並已取得國際終端大廠認證並持續採用。

玻璃器皿

容器

玻璃容器具有絕佳之透明度，且易封蓋及長時間保存內容物風味等優點。此外，玻璃容器亦能漸進加熱至高溫而不變形。且可百分之百的回收再使用之特性，不會破壞地球環境生態，勢必是未來政府環保政策與社會環保意識最為支持的一種包裝材料。為因應市場需求與考量環保因素，台玻致力於輕量瓶(NNPB)吹製技術，製造厚度輕薄均勻、外型美觀的瓶形，年產量超過2億支以上，不僅可減輕客戶的採購成本，並可節省原料與能源，進而促進對環境的保護。容器種類可分為：狹口瓶、廣口瓶、輕量瓶(NNPB)，色澤可分為透明、茶色、綠色(翡翠綠、古典綠、香檳綠)等色。為提供嬰兒奶瓶市場多樣性的選擇，台玻新開發生產耐熱玻璃奶瓶，瞬間耐熱溫差可達150℃，符合國家CNS標準，提供消費者更具安全保障的高品質奶瓶。

食器

產品分為杯身較薄的吹製杯及杯身較厚、有手把的壓製杯，色澤及白度優並可提供客戶不同顏色的選擇(如：黑色、鐵灰色、藍色、綠色、紫色等)，品質符合CNS、美國FDA、歐盟REACH及SVHC等多項國際標準。產品種類有水杯、啤酒杯、威士忌杯、馬克杯、密封罐、碗盤等，可搭配印刷、貼花、咬霧、噴砂、噴色等加工處理，讓產品更豐富。

廚器

為膨脹係數 α -33之硼矽酸耐熱玻璃，瞬間溫差可達150℃，且耐酸鹼性與強度均較鈉鈣玻璃佳，大幅提升使用安全性及用途多樣化。產品主要為咖啡壺、沖茶器、泡茶壺、儲物罐等，並陸續開發接柄杯及雙層杯等加工產品，提高附加價值。

自有品牌

自有品牌為朝向生產具有高附加價值的品牌市場，台玻創立自有品牌「TG」，以年輕世代為對象，聘請國際設計大師深澤直人，將對生活的看法融入設計，製作兼具美感與實用性的當代玻璃系列器皿，從台灣出發，行銷全球，TG全系列產品以及TG包裝設計榮獲2021紅點設計大獎雙獎項，於60多國的眾多參賽者中脫穎而出，更於同年度參與日本Good Design設計獎，自5,835件作品中獲得BEST100殊榮。

產品介紹 Products

實聯化工江蘇有限公司

純鹼

純鹼 (Na_2CO_3) 是重要的化工基本原料之一，廣泛應用於化工、玻璃、冶金、造紙、印染、合成洗滌劑、石油化工、食品、醫藥衛生等工業，使用量大，在國民經濟中佔有重要的地位。

氯化銨

氯化銨 (NH_4Cl) 是一種優良的氮肥，廣泛應用於複合肥行業。特別適用於水稻、小麥、棉花、麻類、蔬菜等作物，肥效快、持續時間長、能加速作物光合作用，促進新陳代謝，增根壯莖茂葉,提高作物的抗病蟲害和抗倒狀能力，增加產量。

生技鹽

鹽（氯化鈉）是化學工業的基本原料，廣泛應用於化工、醫藥、食品、飼料、洗劑、日化品、水處理、材料、紡織、染整、特用化學品等方面。鹽是人類和動物生存健康所必需，在生命健康產業中亦有寬廣發展空間。

超純氮

超純氮(NH_3)主要應用於新型光電子材料領域，是MOCVD技術製造GaN(氮化鎵)的重要材料，也是氮化矽(Si_3N_4)的主要原材料，是生產超高級氮的原料氣。



實聯化工江蘇有限公司
SHIH LIEN CHEMICAL INDUSTRIAL JIANGSU CO., LTD.

產品介紹 Products

Flat Glass

Flat glass is the core product of TG. With production plants based in Taiwan and China, flat glass products are sold in Taiwan, China, Japan, Korea, South-East Asia, North America, Middle East, Australia, Europe, South Africa, and other regions of the world.

For ARCHITECTURE

Clear Float Glass / Tinted Float Glass

Clear float glass features smooth and flat surfaces, low distortion, and high transparency. With a prescribed quantity of high-temperature tint agent, it can be turned into tinted float glass, which reduces solar heat transmission to save energy and offers diverse exterior colors for buildings to create a sense of higher value.

Rolled Glass

Rolled Glass not only provides the function of visual screen but also enables shifts between light and shade.

Low-E Glass / Low-E Insulating Glass

Low-E glass offers high transparency, low infrared transmission and great thermal insulation that meet the demands of energy saving, green buildings and materials. Low-E insulating glass currently has the best thermal insulation performance, while also provides excellent sound insulation properties. The Low-E glass produced by Taiwan Glass has the highest class emissivity coefficient 0.02.

Reflective Glass

Reflective glass can reduce direct solar thermal penetration, provide high thermal insulation performance, offer indoor comfort, save energy, and create a colorful and harmonious building appearance.

Anti-Reflective Glass

Anti-Reflection Glass significantly reduces the visible light reflectivity of glass and increases the visible light transmittance, which can reduce the light pollution of building exterior glass, increase the glass clarity of penetrating images in exhibition room, and reduce visual interference caused by glare.

Tempered Glass / Heat Soak Test

Tempered glass is 3-5 times stronger than annealed glass. When broken, tempered glass would break into small fragments, which are less likely to cause injury and improves the safety of glass application. It can also withstand sudden changes in temperature. To avoid the spontaneous breakage, tempered glass should undergo heat soak test to improve safety in use.

Heat Strengthened Glass

Heat strengthened glass is 2 times stronger than annealed glass with less distortion, and less likely to occur spontaneous breakage.

Laminated Glass /

Sound Control Laminated Glass

Laminated glass has features of enhanced safety, security, protection from ultraviolet rays, control over transparency levels and shatter-prevention. The color laminated glass can raise the aesthetic appeal of the building, reduce the solar heat transmission to save energy and improve the comfort of living areas. In addition to the features above, sound control laminated glass, developed by TG, provides better sound insulation properties, ranging from medium to high frequency.

Ceramic Spandrel Glass /

Ceramic Silkscreen Glass

Ceramic spandrel and ceramic silkscreen glass provide a variety of stable and durable colors. They can also reduce air-conditioning cost by insulating solar heat. After being tempered to improve safety, spandrel and silkscreen glass can be a substitute for stone and tile to reduce the structural load on the external wall. The printing of the glass can also reduce glare. Various colors and graphics can be custom-made to meet designing needs as well as create particularity of space design.

Bent Glass / Bent Tempered Glass

Buildings glazed with bent glass can have advantages of diversified facade and interior partition. After tempering process, bent tempered glass, which is 3-5 times stronger than ordinary bent glass, can meet the requirements for larger sizes and exceptional optical quality.

產品介紹 Products

Silver Mirror

Mirror glass provides clear and exact reflections. Its back paint resists acid and humidity. Environmentally-friendly silver mirror is produced by copper/lead free process to prevent metal contamination, meeting environmental requirements around the world.

For SOLAR PANEL Super Clear Glass

Super clear glass has better optical performance with higher visible light and infrared transmittance than ordinary clear glass and greatly enhances solar heat transmittance. Super clear glass can be used for any applications and products that require high transmittance and transparency, i.e. the application of BIPV solar module and advanced construction materials, to respond to the issues of oil resource depletion and the requirements of clean and renewable energy.

Low Iron Photovoltaic Cover Glass

Mainly used as the cover of crystalline silicon solar modules with the advantageous features of low iron content, high transmission, low reflecting rate, high flatness, high mechanical strength, low probability of spontaneous breakage, anti-weathering, high impact resistance and so forth.

Ultra-Thin Glass

The TF5 furnace in Taichung Factory is a newly established production line for electronic grade ultra-thin glass. Introducing the installations of Computerized Automated Production Management System, cleanroom and mechanical arms for collecting glass panes, this line started production in November 2014 with mass production for 1.1mm and 0.7mm glass and production of 0.33mm glass. Aluminum content increased to 4%, all of the products undergo strict inspections before shipment. The high quality product is able to compete with Japanese manufacturers and provide for major electronic manufacturers at home and abroad to produce consumer electronic goods.

Automotive Glass

Taiwan Autoglass Ind. Corp., the main supplier of automotive glass in Taiwan with 44% market share, produces various laminated windshield glass, sunroof glass, side windows, and tempered rear windows. Its glass products not only are awarded the quality and safety certifications around the world, including VSCC in Taiwan, ECE in European Union, JIS in

Japan, AS in the U.S., and CCC in China, but also are supplied as Original Equipment and Automotive Glass Replacement for several international car makers, such as TOYOTA, FORD, MAZDA, HONDA, NISSAN, HYUNDAI, and SUZUKI.

Fiberglass Reinforced

Fiberglass reinforced is a fiber-like material manufactured by rapidly cooling melted glass filaments. FRP (fiber reinforced plastic) industry uses fiber glass to reinforce plastic composites, widely applied to the fields including: shipbuilding, construction, corrosion-resistant engineering, engineering plastics, sports/recreation, electronics, transportation, military and aerospace, etc. The products of TG fiberglass reinforced include Chopped Strand Mat (CSM), Conventional Roving (CR), Direct Roving (DR), Woven Roving (WR), and Chopped Strand (CS/O-CS). With outstanding characteristics of high impact strength and excellent electrical insulation properties, fiberglass reinforced is widely used in FRP industry.

Fiberglass Yarn & Fabric

Fiberglass Yarn/Low Dk Fiberglass Yarn/ Low CTE Fiberglass Yarn

Fiberglass yarn is the product of specific glass composition, melted in high temperature furnaces and drawn into filament under strict production control. TG produces good quality single filament with diameters ranging from G(9μm), E(7μm), D(5μm), and BC(4μm). Fiberglass yarn can be woven into E-glass fabric, Low Dk fabric, and Low CTE fabric for use in printed circuit boards (PCB). It is also widely used for strengthening and reinforcement of composites material.

Fiberglass Fabric/Low Dk Fabric/ Low CTE Fabric

TG utilizes our own fiberglass yarn to weave a series of E-glass fabric, Low DK fabric, and Low CTE fabric with different thickness, supplying domestic and overseas Copper Clad Laminate (CCL) manufacturers with materials for prepreg and laminate, for use in PCBs. Applications include servers, sophisticated mobile devices, 5G high speed and high frequency data transfer, artificial intelligence (AI) devices, IC substrates, and etc. Meeting high quality standards, TG's products have been certified and continuously adopted by worldwide well-known end users.

產品介紹 Products

Container, Tableware & Kitchenware

Container

Glass containers possess the special advantages of excellent transparency, easy sealing and flavor preservation. Furthermore, glass containers can be heated up gradually without deforming. It is also 100% recyclable and, therefore, environmentally friendly, fully aligned with government's environment protection policy and supported by social environmental consciousness groups.

In light of market demand and environmental concerns, TGI has put emphasis on NNPB technique to produce lightweight glass bottles, consistent wall thickness and good appearance, with production capacity more than 200 million pieces each year. Besides saving cost for customers, lightweight bottles require less raw materials and energy, therefore are more environmentally friendly.

Glass containers are classified by shape: narrow neck bottles, wide mouth jars, lightweight bottles (NNPB) and by color: flint, amber, green (emerald, antique, champagne green), etc..

To provide more choices to the markets, TGI has developed and produced heat-resistant baby feeding bottles, capable of withstanding thermal shock up to 150°C, which meets the requirements of CNS and safety standards of high quality.

Tableware

Tableware glass includes blown-wares with thin walls and press-wares for thicker walls or glasses with handles. With its high transparency and clarity, various colors (ex. black, charcoal, blue, green, purple) are available for clients to choose from. The fine quality of our tableware products have been approved to meet CNS, FDA, ROHS, REACH and SVHC standards. A variety of products including tumblers, beer glasses, whisky glasses, mugs, canisters, bowls/plates with diverse value-added process such as screen-printing, frosting, sand-blasting and color spraying meet market needs.

Kitchenware

Kitchenware glass is made of α -33 borosilicate material with thermal resistant to 150°C temperature difference with better alkali and acid-resistance than sodalime glass, enhancing the safety and diversity of products. Product range includes coffee / tea pots, pitchers, jars, etc, and we continue to add value by developing handle-attaching and double-wall glassware.

Private Brand

Toward the brand market of producing high value added products, TGI established its private brand "TG". This brand is young-generation-oriented. TGI has commissioned Mr. Naoto Fukasawa, who is an international designer, to design products with his perspectives of life, and then TGI manufactures the containers of contemporary glass series, which contains esthetic sensibilities and practicability. Starting from Taiwan, TG will market its private brand around the world. TG Tableware series and TG Packaging had both been awarded the 2021 Red Dot Design Award, standing out among competitors from 60 plus countries around the world; in the same year, TG had also been awarded the Good Design Award, Receiving the Best 100 prize among 5,835 applications.

Soda Ash & Ammonium Chloride

SHIHLIEN CHEMICAL INDUSTRIAL JIANGSU CO., LTD.

Soda Ash

Soda ash (Na₂CO₃) is one of the most important industrial chemicals with widespread applications. It is one of the basic raw materials for glass, for papermaking, dyeing and detergents, and can also be used as flux for metallurgy and softener for water purification.

Ammonium Chloride

Ammonium Chloride (NH₄Cl) is mainly used as nitrogenous fertilizer for the complex fertilizer industry. It accelerates photosynthesis and crop metabolism, contributing to plant health and thereby increases crop yield. It is highly suitable for rice, wheat, cotton, hemp and vegetables, with a quick and long-lasting fertilizing effect.

Biotech Salt

Common salt (sodium chloride) is a basic chemical used in many industries, including chemical, pharmaceutical, food, feeds, detergents, toiletries and water treatments materials, textile, dyeing, specialty chemical etc. As common salt is also critical to sustain human and animal life, there is plenty of room for growth in the life and health sectors.

Ultra Pure Ammonia

Ultra-pure ammonia (NH₃) is mainly used in the field of novel optoelectronic materials and serves as an important material during GaN (gallium nitride) manufacturing by MOCVD technology. It is also the primary raw material for silicon nitride (Si₃N₄) and raw gas for the production of ultra-high purity nitrogen.

產品介紹 Products

低輻射玻璃 (Low-E玻璃)

台玻所生產的高性能低輻射(Low-E)玻璃，以真空濺鍍的方式於玻璃表面鍍上多層不同材質鍍膜，藉以達到現代建築玻璃高透光率、高熱阻隔、低反射率等環保節能及綠建築設計需求。

使用Low-E複層玻璃可有效的阻斷熱的三個傳遞路徑(輻射、傳導、對流)，為建築物提供最好的節能減碳效益及最佳的冬暖夏涼環境。

具有同樣可見光透過率的三種玻璃之總熱透過率：
三銀玻璃 < 雙銀玻璃 < 單銀玻璃

三銀低輻射玻璃 (PTE, TTE)

具有世界一流的光熱選擇性，
提供了自然光穿透與太陽熱能控制的最佳比率，節能玻璃的最佳選擇。

雙銀低輻射玻璃 (PDE, TDE)

適合高隔熱性能的需求，
卓越的自然光穿透、太陽熱能阻擋及室外熱能隔絕，為各種節能玻璃的理想選擇。

單銀低輻射玻璃 (PLE)

提供有效的陽光熱能阻擋，
適合各種建築靈活性設計且具有良好的隔熱水平。

"節能"低輻射玻璃 (JN)

擁有特殊的低輻射隔熱膜層，
暴露於空氣中有極佳的穩定性，可用於單片、複層、膠合等各式玻璃，進一步提升玻璃隔熱性能。

Low-Emissivity Glass (Low-E glass)

The high performance low-emissivity (Low-E) glass produced by Taiwan Glass is coated, by vacuum sputtering, with multi layers of different materials on the glass surface. This product offers high transparency, good thermal insulating, and low light reflectance, the energy-saving properties required by modern architectural glass and green building design. Low-E insulating glass can effectively block three heat transfer paths(radiation, conduction, convection), providing the best energy-saving and carbon-reduction benefits to buildings and indoor comfort all year round. Total heat transmission comparison of three different Low-E coatings based on same visible light transmittance: Triple Silver Glass < Double Silver Glass < Single Silver Glass

Triple Silver Low Emissivity Glass (PTE, TTE)

World-class solar thermal selectivity. Providing the best ratio of natural light transmittance and solar thermal control as the best choice for energy saving glass.

Double silver low-e glass (PDE, TDE)

Suitable for high thermal insulation requirements. Offering excellent natural light transmittance, solar heat blocking and outdoor thermal isolation as an ideal choice for various energy saving glass.

Single Silver Low Emissivity Glass (PLE)

Effective solar heat blocking. Suitable for various flexible building designs with good levels of thermal insulation.

"Jie Neng" Low-E glass (JN)

With a special low-emissivity thermal insulation coating layer. Excellent stability, even exposed to air, to be used for various types of the glass such as single pane, insulating glass, and laminated glass to further improve glass thermal insulation performance.

產品介紹 Products

低輻射複層玻璃 Low-E Insulating Glass

Low-E複層玻璃是由兩片或多片玻璃搭配Low-E鍍膜以一定間隔平行排列組成，四周以鋁間隔條隔出中空層，間隔條中填充高效率3A分子篩來保持中空層的乾燥，玻璃與間隔條以丁基膠黏合，再以高強度結構密封膠封邊而成，具有極佳的阻氣效果及耐候性。

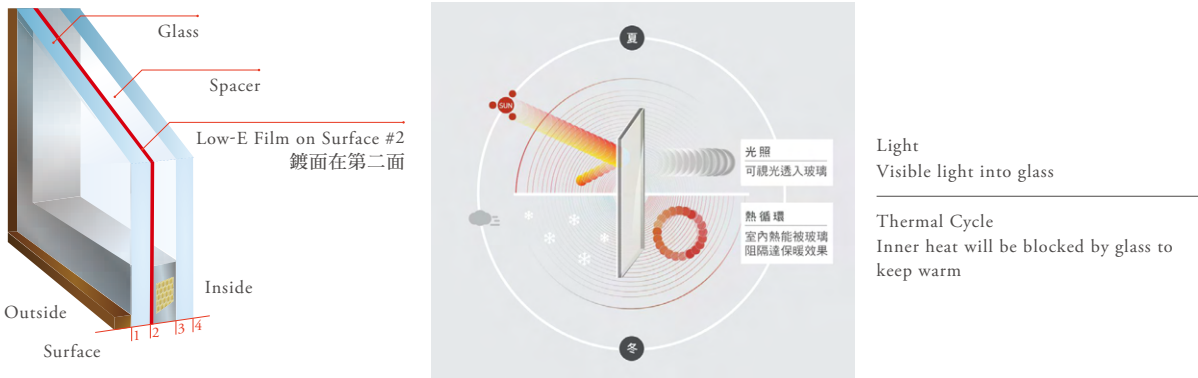
使用台玻高性能Low-E鍍膜及複層結構，讓玻璃可同時阻隔熱的三個傳導路徑(輻射、傳導、對流)，可達到極佳的玻璃隔熱效果，為目前節能效益最佳之玻璃。

Low-E Insulating Glass

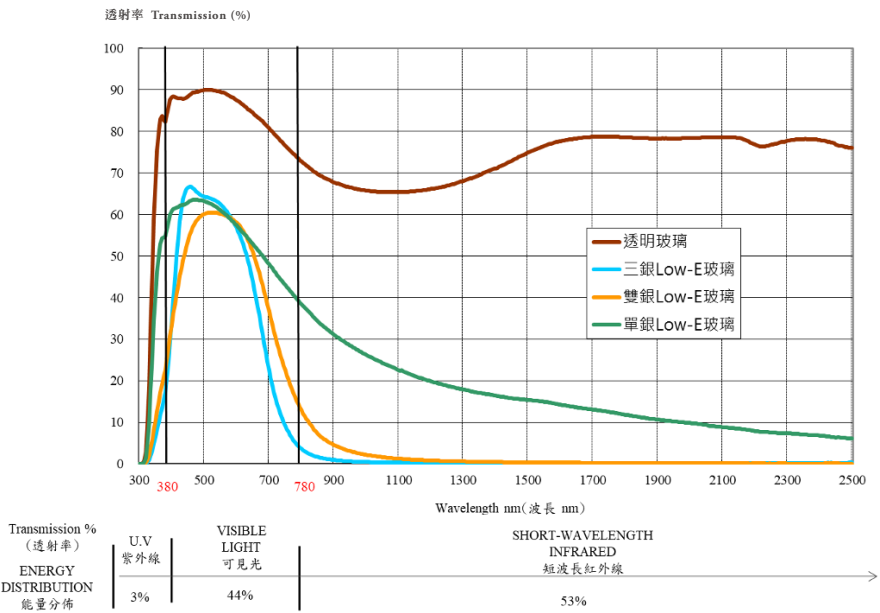
Low-E Insulating Glass consists of two or more parallel sheets of glass, coated with a Low-E layer, separated by set intervals and enclosed with aluminum bars. These bars are filled with high-efficiency 3A molecular sieve to maintain a dry airspace. The glass and aluminum spacers are bonded with butyl and then sealed with high-strength silicone, ensuring an excellent airtight effect and weather resistance.

The use of Taiwan Glass high-performance Low-E coating and insulating structure enables the glass to simultaneously block the three modes of heat transfer: radiation, conduction, and convection. This achieves the best possible thermal insulation effect, making it the most energy-efficient glass currently available.

Low-E玻璃建議搭配複層結構使用，以達最佳效果。
For optimal results, Low-E glass is recommended to be used with insulating units.



不同鍍膜在太陽光譜中透射率的比較
Spectrum for Different Coating Glass Transmission



產品介紹 Products

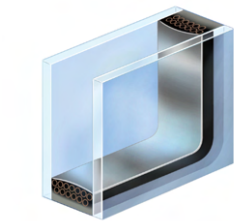
TPS玻璃

新一代中空系統

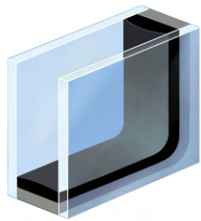
TPS是一種新型的中空玻璃暖邊系統，它是以特殊丁基膠為輔材，填入分子篩的熱塑性隔條。

特性

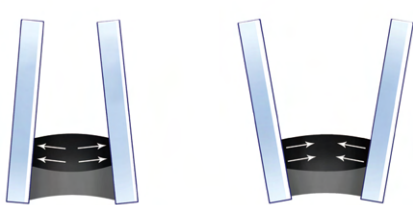
- 1. TPS: Thermo Plastic Spacer / 熱塑性隔條
- 2. TPS熱塑性隔條不含金屬嵌入物
- 3. 提高玻璃邊緣的熱阻隔性
- 4. 溫度均勻分布在整個玻璃表面
- 5. 有效降低凝露的產生
- 6. 彈性邊緣密封
- 7. 使玻璃設計變得更為靈活和方便
- 8. 完美的匹配玻璃裝配行業
- 9. 高的質量控制＝更長的使用壽命



普通型 Conventional IGU
分三部分：剛性間隔填充分子篩塗布丁基膠
Three parts: fixed spacer filled with desiccant and a special butyl.



TPS
一個整體：熱塑性隔條填充分子篩
One single unit: Thermo Plastic Spacer filled with desiccant.

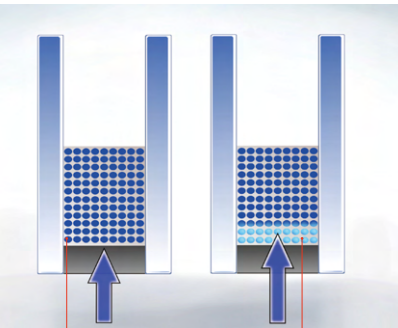


良好的力學性能
Better mechanical performance

TPS濕氣屏障的原理 The Principles of TPS Moisture Barrier

長久的使用壽命源自最終的水氣屏障

The durability is ultimately determined by the barrier of moisture.



初期水分滲入
Humidity penetration in early stage.



水分滲入後期形成自然屏障
After the penetration, the moist develops a natural barrier.

- 乾燥的分子篩 Dry desiccant
- 半飽和分子篩 Half-saturated desiccant
- 飽和分子篩 Saturated desiccant

TPS Glass

A New Generation of Insulating System

TPS is a new type of IGU Warm Edge System which is made by a special kind of butyl included with integrated desiccant.

Features

- 1. TPS: Thermo Plastic Spacer.
- 2. TPS Thermo Plastic Spacer doesn't have any metal embedded.
- 3. Improve the thermal insulation of the glass edge.
- 4. Even temperature throughout the glass surface.
- 5. Reduce the chance of condensation effectively.
- 6. Elastic edge seal.
- 7. Make glass design more flexible and convenient.
- 8. Perfectly match with glass installation.
- 9. High quality control to extend IGU durability.

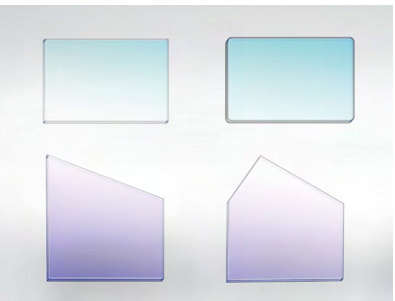
產品介紹 Products

應用領域

- 1. 住宅建築
- 2. 商用建築
- 3. 結構幕牆
- 4. 高速鐵路
- 5. 汽車、大型巴士

Applications

- 1. Residential building
- 2. Commercial buildings
- 3. Structural curtain wall
- 4. High speed rail
- 5. Vehicles and buses



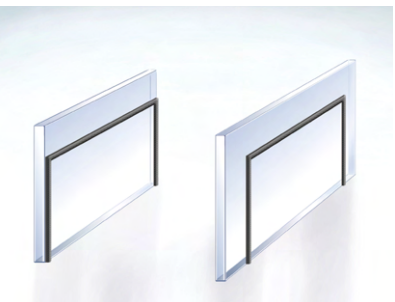
1. 生產形狀靈活多樣
Dynamic and various shapes



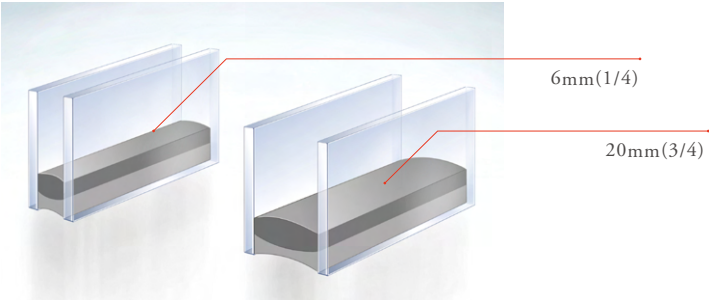
2. 鏤空的中空玻璃系統
Hollow-out insulating glass system



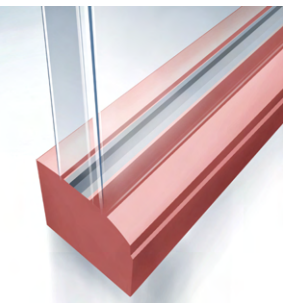
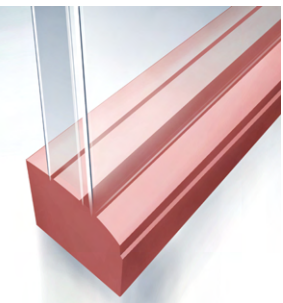
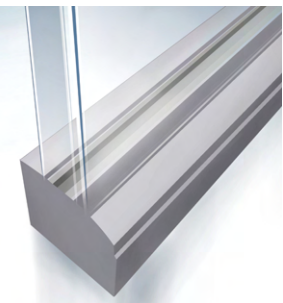
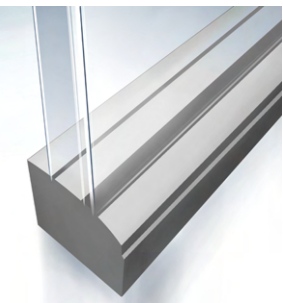
3. 內飾條協調地裝在熱塑性隔條上
Moulding / decoration strip works perfectly with Thermo Plastic Spacer



4. 有邊或無邊的中空玻璃
Insulating glass with or without edge



5. 隔條寬度通常可以在6到20mm的範圍內任意調節
The width of spacer normally can be freely adjusted between 6 and 20mm



6. 在窗框和玻璃之間獲得更好的視覺感官
Better visual effects for the frame and glass

Low-E 玻璃應用 Applications



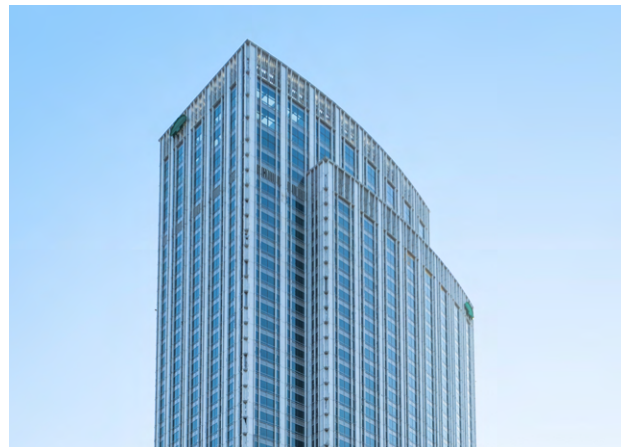
聯合大於大樓
UDN Group Office and Residential Complex
Low-E(TDE47)膠合複層玻璃



潤泰敦峰
The Silk Court
Low-E(PL40)膠合複層玻璃



內科之心宏匯瑞光廣場
Honhui Sparkle Square
Low-E(TDE35)複層玻璃



國泰置地廣場
Cathay Landmark
Low-E (TDE44)複層玻璃

Low-E 玻璃應用 Applications



高雄海洋文化及流行音樂中心
Kaohsiung Music Center
Low-E(TDE78)複層玻璃



東京小田原市江之浦測候所
The tip of the Summer Solstice Observation Gallery ©
Odawara Art Foundation



台北南港國家會展中心
Taipei Nangang Exhibition Center
Low-E(TDE78)複層玻璃



中信金控台中金融大樓
CTBC Taichung HQ
Low-E(TTE60A/TSE45)網印複層玻璃



元利信義聯勤
One Park Taipei
Low-E(TDE78)膠合複層玻璃



高雄市立圖書館總館
Kaohsiung Main Public Library
Low-E (TDE60) 複層玻璃

節能實例 Energy Saving Project Case Study



臺北南山廣場 Taipei Nan San Plaza

「臺北南山廣場」辦公大樓，總高272公尺，建物帷幕外牆由台玻協助三菱地所及瀚亞建築師事務所共同設計，外牆面積九成以上均為玻璃結構，並獲得內政部「建物外玻璃熱透過率(THT)值在0.3以下的綠建築節能(鑽石級)標章」及榮獲台灣優良智慧綠建築暨系統產品獎2017 TIBA AWARDS最高榮譽的「鉑金獎」。

- 1. 採用台玻Low-E節能複層玻璃，中間為12mm的空氣層有效阻隔熱能，相較一般玻璃，可減少45%的冷氣耗電費。
- 2. 安全性亞洲最強：以最高規格的結構設計，基樁打至岩盤，並裝置兩顆阻尼器，搭配亞洲最強可抗16級風壓的大樓帷幕，減少大樓受高空強風和颱風所造成的搖晃，提供最高等級的安全保障。

The building “Taipei Nan San Plaza” is built with a height of 272 meters. 90% of this building’s external wall is made of glass structure, designed cooperatively by TGI, Mitsubishi Estate and Archasia Design Group. It was awarded as a green building on the merit of external glazing with a coefficient of thermal transmittance (THT) smaller than 0.3 (Diamond Level) for its curtain wall, and was awarded Platinum Award of 2017 TIBA AWARDS – Taiwan Intelligent Green Building and System Product Awards.

- 1. It adopted TGI’s Low-E energy-saving insulating glass units with a 12mm space, effectively reducing heat and saving 45% of electricity cost for air conditioning compared with common glass.
- 2. The highest class safety in Asia: designed with the highest-profile structure, this building was piled to bedrock, installed two shock absorbers and the strongest curtain wall in Asia which can resist 16 Bft wind pressure to reduce building shake caused by strong gale and typhoon, providing the highest class safety.

股務記錄 Stock

年 Year	加權指數 Taixex		股價 Stock Price		股利 Dividend	
	High	Low	High	Low	Cash	Stock
1973	514	225	38.60	25.20	1.00	2.00
1974	498	188	35.20	11.30	0.70	1.80
1975	429	190	28.30	13.60	0.70	1.80
1976	417	257	26.95	17.00	2.00	0.84
1977	450	313	27.65	17.30	0.80	1.70
1978	688	447	36.00	24.80	1.24	1.96
1979	659	502	35.40	24.40	2,072	1,428
1980	599	480	32.20	23.30	1,889	1,111
1981	600	502	27.70	20.50	0.50	1.50
1982	546	421	23.00	15.40	0.20	1.10
1983	765	434	38.20	17.10	0.72	1.48
1984	969	764	37.00	30.20	0.60	1.60
1985	840	636	33.10	20.30	—	1.40
1986	1039	839	40.10	31.70	—	1.60
1987	4673	1063	95.00	38.70	—	1.80
1988	8789	2341	125.00	58.50	—	1.80
1989	10773	4873	188.00	78.00	—	2.00
1990	12495	2560	144.00	36.90	—	1.80
1991	6305	3316	71.00	39.70	0.458	1,042
1992	5391	3327	47.50	28.00	0.35	1.00
1993	6070	3135	53.00	29.70	0.35	1.00
1994	7183	5194	65.00	41.70	0.35	1.50
1995	7051	4503	63.50	46.00	0.35	1.50
1996	6982	4690	67.50	47.50	—	1.903
1997	10116	6802	66.50	36.30	0.76	1.09
1998	9277	6251	44.90	30.30	1.35	—
1999	8608	5474	34.80	20.10	1.25	—
2000	10393	4555	39.80	22.00	0.80	0.81
2001	6104	3411	33.20	17.80	1.00	—
2002	6484	3846	29.10	17.60	0.30	0.70
2003	6182	4044	28.60	20.30	0.40	0.80
2004	7135	5255	33.00	24.30	0.50	1.00
2005	6600	5565	31.50	23.70	0.40	0.80
2006	7823	6232	30.40	21.60	0.24	0.96
2007	9859	7306	46.30	25.55	0.40	0.80
2008	9309	3955	41.55	13.30	0.20	0.30
2009	8188	4165	27.70	15.40	0.20	0.30
2010	8990	7072	38.50	24.60	0.60	1.00
2011	9220	6609	53.70	27.10	0.45	0.45
2012	8144	6895	37.30	23.75	0.10	—
2013	8647	7603	35.20	25.70	0.10	—
2014	9569	8264	33.50	21.00	—	—
2015	9973	7410	24.60	10.65	—	—
2016	9430	7627	16.05	11.15	—	—
2017	10854	9273	22.90	12.60	0.50	—
2018	11253	9478	23.60	12.75	0.30	—
2019	12122	10875	12.15	11.20	—	—
2020	14760	8523	19.70	6.46	0.50	—

年 Year	加權指數 Taixex		股價 Stock Price		股利 Dividend	
	High	Low	High	Low	Cash	Stock
2021	18291	14720	47.90	15.80	1.82	—
2022	18619	12629	27.00	16.45	—	—
2023	17945	14001	23.70	17.35	—	—
2024	24416	17151	21.50	14.30	—	—
TOTAL	—	—	—	—	26.45	45.67

主要股東(2025-04)		
Major Shareholders		(%)
台豐投資股份有限公司		14.44
Tai Hong Investment Corp.		
合和投資股份有限公司		13.84
Ho Ho Investment Corp.		
台建投資股份有限公司		8.56
Tai Chien Investment Corp.		
台玉投資股份有限公司		8.44
Tai Yu Investment Corp.		
台成投資股份有限公司		7.84
Tai Cheng Investment Corp.		
台嘉投資股份有限公司		5.42
Tai Chia Investment Corp.		
林建成嘉記股份有限公司		4.71
Lim Kien Seng Kah Kih Co. Ltd		
台玻職工退休基金管委會		1.35
TGI Retirement Fund.		
S.E.A		0.86
嘉宏股份有限公司		0.73
Chia Hung Co.,Ltd.		
Total		66.19

股東總人數		93, 524人
Total Shareholders		
總成交量		2,278,961,746 股
Transaction Volume		
員工總人數(2025-04)		台灣 4,203人
Employees		大陸 7,906人
		合計 12,109人

決算日期：2024年12月31日
Fiscal Year Ends on December 31,2024
股東常會：2025年6月11日
General Shareholders' Meeting: June 11,2025
公 告：公開資訊觀測站
Public Notice: <http://mops.twse.com.tw/mops/web/index>
辦理過戶：台灣玻璃工業公司 股務課
Stock Transfer Registration: TGI Stock Affairs Div.
會計師：安永聯合會計師事務所
C.P.A.: Ernst & Young

集團沿革 Taiwan Glass Group History

1964

1964

公司創立，資本額一億五千萬元
Company established, capital NT\$150 million



1965

日本旭硝子株式會社平板玻璃技術合作
Asahi, Japan for Sheet Glass TAA.



新竹廠動土典禮

Hsinchu Factory Groundbreaking



1967

新竹平板廠投產
TS Factory Sheet Glass Plant Production



1970

1970

美國WHEATON GLASS 容器玻璃技術合作
Wheaton Glass PLC. USA for Container Glass TAA.



1972

台玻大樓落成
TGI Building inaugurated



1973

台玻股票上市
TGI Stock listed on Taiwan Stock Exchange

1974

英國PILKINGTON PLC. 色板玻璃技術合作
Pilkington PLC. UK for Tinted Glass TAA.



1977

德國VEBA GLASS AG. 食器玻璃技術合作
Veba Glass Ag. Germany for Tableware Glass TAA.

1980

1980

英國PILKINGTON PLC. 平板浮法玻璃技術合作
Pilkington PLC. UK for Float Glass TAA.

1983

台中平板浮法廠投產
TF Factory Float Glass Plant Production

1987

美國OWENS CORNING FIBERGLASS CORP. 玻璃纖維技術合作
Owens Corning Fiberglass Corp. USA for Fiberglass Reinforced TAA.



1988

日本柴田株式會社耐熱玻璃技術合作
Sibata Hario, Ltd. Japan for Heat-Resistant Glass TAA.

日本鐘紡株式會社玻璃纖維布技術合作
Kanebo, Ltd. Japan for Fiberglass Fabric Glass TAA.



1989

二十五週年慶 25th Anniversary



1990

1990

桃園玻璃纖維布及玻璃纖維廠投產
TT Factory Fiberglass Fabric & Fiberglass Reinforced Plant Production

1992

創辦人大陸考察
Founder Lin, business visit to China

1993

台灣玻璃中國控股公司創立
Taiwan Glass China Holding Ltd. Established

1994

德國HERMANN HEYE 容器玻璃技術合作
Hermann Heye, Germany for Container Glass TAA.

三十週年慶 30th Anniversary



青島廠建廠 QFG Construction



集團沿革 Taiwan Glass Group History

1995

日本石塚硝子株式會社食器玻璃技術合作
Ishizuka Glass Co., Ltd. Japan for Tableware TAA.

台中、桃園、新竹三廠ISO-9002認證通過
TF, TT, TS, Factory ISO-9002 Certification

青島浮法玻璃有限公司投產
Qingdao Float Glass Co., Ltd. Plant Production



創辦人訪問北京 Founder Lin, Beijing visit



1997 台玻長江玻璃有限公司投產
TG Changjiang Glass Co., Ltd. Plant Production

1998 鹿港玻璃纖維布廠投產
TL Factory Fiberglass Fabric Plant Production

2000 台中廠引進雙銀輻射玻璃技術
Taichung Factory Double Low - E Glass Coating Technology

2001

桃園、新竹、台中、鹿港四廠ISO-14001認證通過
TT, TS, TF, TL, Factory ISO-14001 Certification

創辦人榮獲第32屆全球玻璃工業鳳凰獎(美國)
Founder Lin, Awarded with the Phoenix Award (USA)



台玻長江玻璃有限公司CFG-2投產
TG Changjiang Glass Co., Ltd. CFG-2 Plant Production

台嘉玻璃纖維有限公司投產
Taichia Glass Fiber Co., Ltd. Plant Production

台玻東海玻璃有限公司投產
TG Donghai Glass Co., Ltd. Plant Production

台玻成都玻璃有限公司投產
TG Chengdu Glass Co., Ltd. Plant Production

四十週年慶 40th Anniversary



2005

台玻華南玻璃有限公司投產
TG Huanan Glass Co., Ltd. Plant Production



台嘉玻璃纖維有限公司TGF-2投產
Taichia Glass Fiber Co., Ltd. TGF-2 Plant Production

台玻昆山玻璃有限公司CFG-3投產
TG Kunshan Glass Co., Ltd. CFG-3 Plant Production

台玻天津玻璃有限公司投產
TG Tianjin Glass Co., Ltd. Plant Production

鹿港平板廠TF-4投產
TL Factory TF-4 Flat Glass Plant Production

2007 台嘉玻璃纖維有限公司TGF-3投產
Taichia Glass Fiber Co., Ltd. TGF-3 Plant Production

2008

台玻成都玻璃有限公司CDG-2投產
TG Chengdu Glass Co., Ltd. CDG-2 Plant Production

台玻華南玻璃有限公司HNG-2投產
TG Huanan Glass Co., Ltd. HNG-2 Plant Production



台嘉玻璃纖維有限公司TGF-4投產
Taichia Glass Fiber Co., Ltd. TGF-4 Plant Production



新竹廠TS-7壓花窯改建容器窯
Hsinchu Factory TS-7 Rolled Glass Furnace Rebuilding to Container Glass Furnace

2009 桃園廠TT-1擴建FRP
Taoyuan Factory TT-1 Fiberglass Reinforced Furnace Rebuilding & Expansion

彰濱廠引進最新低輻射玻璃鍍膜技術
Changpin Factory New Low-E Glass Coating Technology

台玻福建光伏玻璃有限公司動土
TG Fujian Photovoltaic Glass Co., Ltd. Established & Groundbreaking

集團沿革 Taiwan Glass Group History

2010

2010 台玻悅達汽車玻璃有限公司創立
TG Yueda Autoglass Co., Ltd. Established



台玻太倉工程玻璃有限公司創立及動土
TG Taicang Architectural Glass Co., Ltd.
Established & Groundbreaking

台玻咸陽玻璃有限公司創立
TG Xianyang Glass Co., Ltd. Established

台玻安徽玻璃有限公司創立
TG Anhui Glass Co., Ltd. Established

台玻武漢工程玻璃有限公司創立
TG Wuhan Architectural Glass Co., Ltd. Established

台玻福建光伏玻璃有限公司投產
TG Fujian Photovoltaic Glass Co., Ltd.
Plant Production



2011

2011 彰濱廠投產
Changpin Factory Plant Production

新竹廠ISO-22000認證通過
TS Factory ISO-22000 Certification

台玻悅達太陽能鏡板有限公司創立
TG Yueda Solar Mirror Co., Ltd Established

台嘉成都玻纖有限公司動土
Taichia Chengdu Glass Fiber Co., Ltd.
Groundbreaking



台玻安徽玻璃有限公司動土
TG Anhui Glass Co., Ltd. Groundbreaking

台玻武漢工程玻璃有限公司動土
TG Wuhan Architectural Glass Co., Ltd.
Groundbreaking

台玻悅達汽車玻璃有限公司投產
TG Yueda Autoglass Co., Ltd. Plant
Production



2012

台玻華南玻璃有限公司
低輻射鍍膜玻璃生產線投產
TG Huanan Glass Co., Ltd.
Low-E Glass Production

台玻太倉工程玻璃有限公司
低輻射鍍膜玻璃生產線投產
TG Taicang Architectural Glass Co., Ltd.
Low-E Glass Production

台玻武漢工程玻璃有限公司
低輻射鍍膜玻璃生產線投產
TG Wuhan Architectural Glass Co., Ltd.
Low-E Glass Production

2013

2013 台玻咸陽玻璃有限公司烘窯投產
TG Xianyang Glass Co., Ltd. Plant Production



台玻安徽玻璃有限公司烘窯投產
TG Anhui Glass Co., Ltd. Plant Production



新竹廠TS-10耐熱容器窯 / TS-11耐熱食器窯投產
Hsinchu Factory TS-10 / TS-11 Production

台玻東海玻璃有限公司DHG-2投產
TG Donghai Glass Co., Ltd. DHG-2
Plant Production

實聯化工江蘇有限公司投產
Shihlien Chemical Industrial Jiangsu Co., Ltd.
Plant Production



集團沿革 Taiwan Glass Group History

2014

2014

台玻東海玻璃有限公司DHG-3投產
TG Donghai Glass Co., Ltd. DHG-3
Plant Production

台玻集團創業五十週年
50th Anniversary of TG



2015

台嘉成都玻纖有限公司投產
Taichia Chengdu Glass Fiber Co., Ltd.
Production

2019

台嘉蚌埠玻璃纖維公司投產
Taichia Bengbu Glass Fiber Co., Ltd.
Production



2019

2019

林伯豐董事長榮獲日本政府頒贈
「旭日重光章」
Chairman Lin Por-Fong Conferred with
The Order of the Rising Sun by the Japanese
Government



2020

TG 品牌旗艦店開幕
TG Flagship store opening



2024

台玻集團創業六十週年
60th Anniversary of TG





TAIWAN GLASS GROUP

台玻集團

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