

Glass Substrate Market by Type (Borosilicate, Silicon, Ceramic, And Fused Silica/Quartz-Based Glass Substrates), End-Use Industry (Electronics, Automotive, Medical, Aerospace & Defense, Solar), and Region - Global Forecast to 2028

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Report description:

The glass substrate market size is estimated to be USD 7.1 billion in 2023, and it is projected to reach USD 8.4 billion by 2028 at a CAGR of 3.5%. The market of global glass substrate is on an upward trajectory due to the increasing demand from several end-use industries such as electronics, automotive, medical, aerospace & defense, and solar power. Apart from this, the market growth is attributed to the rising usage in solar applications. However, the progress of the market may face hindrances due to high technology development costs and manufacturing costs of the glass substrate.

A glass substrate refers to a thin, flat piece of glass that serves as a base or foundation for various applications, particularly in the field of electronics and optics. The term is commonly used in the context of manufacturing electronic devices, displays, sensors, and other technologies.

"Borosilicate-based glass substrates is the biggest by type segment of the glass substrates market."

In terms of by type segment, the borosilicate-based glass substrates segment is anticipated to experience the most substantial growth throughout the forecast period. These substrates offer cost-effectiveness compared to other glass substrates. Additionally, the distinct qualities of borosilicate-based glass substrates, such as a low coefficient of thermal expansion, high chemical resistivity, and superior surface strength, contribute to the rising global demand for them. The fused silica/quartz-based glass substrates segment is projected to achieve the second-highest compound annual growth rate (CAGR) during the forecast period, attributed to the enhanced thermal expansion capability of fused silica/quartz-based glass substrates when compared to their borosilicate-based counterparts.

"Electronics is the largest end-use industry segment of the glass substrates market."

The glass substrate market is significantly influenced by the electronics industry, which holds a substantial share. The growing adoption of glass substrates in the production of display devices, electronic components, semiconductors, MEMS devices, and

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information, computing, and telecommunication devices is poised to fuel the expansion of the glass substrate market within the electronics sector. Furthermore, progress and innovations in LCDs and semiconductors play a crucial role in bolstering the overall growth trajectory of the glass substrate market.

"APAC is the fastest-growing market for glass substrates."

The Asia-Pacific glass substrate market is anticipated to achieve the highest Compound Annual Growth Rate (CAGR) in terms of value from 2023 to 2028. This upswing is primarily linked to the heightened manufacturing of electronic devices in the Asia-Pacific region. Among the countries in this region, China is expected to lead with the highest CAGR during the forecast period. The growth of the glass substrate market in this area is propelled by technological advancements in key end-use industries, including electronics, automotive, and medical sectors.

The breakdown of primary interviews is given below:

-□By Company Type: Tier 1 - 52%, Tier 2 - 26%, and Tier 3 - 22%

-□By Designation: Director-Level - 48%, C-Level - 23%, and Others - 29%

-□By Region: North America - 21%, Europe - 25%, APAC - 44%, Middle East & Africa - 5%, and South America - 5%

The key companies profiled in this report on the glass substrates market include AGC Inc. (Japan), Schott (Germany), Corning, Incorporated (US), Nippon Sheet Glass Co., Ltd. (Japan), Plan Optik AG (Germany), HOYA Corporation (Japan), Ohara Inc. (Japan), IRICO Group New Energy Company Limited (China), Toppan Inc. (Japan), Tunghsu Group Co. Ltd. (China), and others are the key players operating in the glass substrate market.

Research Coverage

The glass substrate market has been segmented based on by type, end-use industry, and region. This report covers the glass substrate market and forecasts its market size until 2028. It also provides detailed information on company profiles and competitive strategies adopted by the key players to strengthen their position in the glass substrate market. The report also provides insights into the drivers and restraints in the glass substrate market along with opportunities and challenges. The report also includes profiles of top manufacturers in the glass substrate market.

Reasons to Buy the Report

The report is expected to help market leaders/new entrants in the following ways:

- 1.□This report segments the glass substrate market and provides the closest approximations of revenue numbers for the overall market and its segments across different verticals and regions.
- 2.□This report is expected to help stakeholders understand the pulse of the glass substrate market and provide information on key market drivers, restraints, challenges, and opportunities influencing the market growth.
- 3.□This report is expected to help stakeholders obtain an in-depth understanding of the competitive landscape of the glass substrates market and gain insights to improve the position of their businesses. The competitive landscape section includes detailed information on strategies, such as acquisitions, expansions, new product developments, and partnerships/collaborations/agreements.

The report provides insights on the following pointers:

-□Analysis of key drivers (Rising usage of LCDs in consumer electronics and automotive application, growing Semiconductor Industry), restraints (High technology development cost and manufacturing cost of the glass substrate), opportunities (Innovations in display technologies, and growing use of glass substrate in solar power application), and challenges (LCD glass to meet strict quality requirements) influencing the growth of the glass substrates market

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the glass substrate market

-□Market Development: Comprehensive information about lucrative markets - the report analyses the glass substrate market across varied regions.

-□Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the glass substrate market

-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like

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AGC Inc. (Japan), Schott (Germany), Corning, Incorporated (US), Nippon Sheet Glass Co., Ltd. (Japan), Plan Optik AG (Germany), HOYA Corporation (Japan), Ohara Inc. (Japan), IRICO Group New Energy Company Limited (China), Toppan Inc. (Japan), Tunghsu Group Co. Ltd. (China), and others

Table of Contents:

1 INTRODUCTION 18

1.1 STUDY OBJECTIVES 18

1.2 MARKET DEFINITION 18

1.2.1 INCLUSIONS AND EXCLUSIONS 19

1.3 MARKET SCOPE 19

FIGURE 1 GLASS SUBSTRATE MARKET SEGMENTATION 19

1.3.1 REGIONS COVERED 20

1.3.2 YEARS CONSIDERED 20

1.4 CURRENCY 21

1.5 STAKEHOLDERS 21

1.6 LIMITATIONS 21

1.7 SUMMARY OF CHANGES 21

2 RESEARCH METHODOLOGY 22

2.1 RESEARCH DATA 22

FIGURE 2 GLASS SUBSTRATE MARKET: RESEARCH DESIGN 22

2.2 MARKET SIZE ESTIMATION 23

FIGURE 3 MARKET SIZE ESTIMATION: SUPPLY-SIDE ANALYSIS 23

2.2.1 APPROACH - 2 23

FIGURE 4 GLASS SUBSTRATE MARKET: SECOND APPROACH 23

2.3 DATA TRIANGULATION 24

2.3.1 SECONDARY DATA 24

2.3.2 PRIMARY DATA 24

FIGURE 5 DATA TRIANGULATION 25

2.4 KEY MARKET INSIGHTS 25

FIGURE 6 LIST OF STAKEHOLDERS INVOLVED AND BREAKDOWN OF INTERVIEWS WITH EXPERTS 26

2.5 RECESSION IMPACT 26

2.6 RESEARCH ASSUMPTIONS & LIMITATIONS 27

2.6.1 ASSUMPTIONS 27

FIGURE 7 LIMITATIONS 27

2.7 LIMITATIONS 27

2.7.1 RISK ASSESSMENT 28

TABLE 1 LIMITATIONS & ASSOCIATED RISKS 28

2.8 GROWTH RATE ASSUMPTIONS 28

?

3 EXECUTIVE SUMMARY 29

FIGURE 8 BOROSILICATE-BASED GLASS SUBSTRATE TO LEAD MARKET DURING FORECAST PERIOD 30

FIGURE 9 ELECTRONICS TO BE LARGER END-USE SEGMENT THROUGH 2028 30

FIGURE 10 ASIA PACIFIC TO BE FASTEST-GROWING REGION IN FORECAST PERIOD 31

4 PREMIUM INSIGHTS 32

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN GLASS SUBSTRATE MARKET 32

FIGURE 11 DEVELOPING COUNTRIES OFFER ATTRACTIVE OPPORTUNITIES IN GLASS SUBSTRATE MARKET 32

4.2 ASIA PACIFIC: GLASS SUBSTRATE, TYPE AND COUNTRY 32

FIGURE 12	ASIA PACIFIC: CHINA WAS LARGEST GLASS SUBSTRATE MARKET IN 2022	32
4.3	GLASS SUBSTRATE MARKET, BY TYPE	33
FIGURE 13	BOROSILICATE-BASED GLASS SUBSTRATE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD	33
4.4	GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY	33
FIGURE 14	ELECTRONICS TO LEAD MARKET DURING FORECAST PERIOD	33
4.5	GLASS SUBSTRATE MARKET, BY COUNTRY	34
FIGURE 15	INDIA GLASS SUBSTRATE MARKET TO RECORD HIGHEST CAGR FROM 2023 TO 2028	34
5	MARKET OVERVIEW	35
5.1	INTRODUCTION	35
5.2	MARKET DYNAMICS	35
FIGURE 16	DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN GLASS SUBSTRATE MARKET	35
5.2.1	DRIVERS	36
5.2.1.1	Rising use of LCDs in consumer electronics and automotive applications	36
5.2.1.2	Growing semiconductor industry	36
FIGURE 17	GLOBAL SEMICONDUCTOR SALES, 2018-2022	36
5.2.2	RESTRAINTS	37
5.2.2.1	High technology development and manufacturing cost	37
5.2.3	OPPORTUNITIES	37
5.2.3.1	Innovations in display technologies	37
5.2.3.2	Growing use of glass substrates in solar power application	37
FIGURE 18	COUNTRY-WISE SOLAR ENERGY SHARE, 2022	37
5.2.4	CHALLENGES	38
5.2.4.1	LCD glass to meet strict quality requirements	38
6	INDUSTRY TRENDS	39
6.1	PORTER'S FIVE FORCES ANALYSIS	39
FIGURE 19	PORTER'S FIVE FORCES ANALYSIS	39
TABLE 2	GLASS SUBSTRATE MARKET: PORTER'S FIVE FORCES ANALYSIS	39
6.1.1	THREAT OF NEW ENTRANTS	40
6.1.2	THREAT OF SUBSTITUTES	40
6.1.3	BARGAINING POWER OF SUPPLIERS	40
6.1.4	BARGAINING POWER OF BUYERS	40
6.1.5	INTENSITY OF COMPETITIVE RIVALRY	40
6.2	SUPPLY CHAIN ANALYSIS	41
6.3	VALUE CHAIN ANALYSIS	42
FIGURE 20	GLASS SUBSTRATE: VALUE CHAIN ANALYSIS	42
6.4	KEY MARKETS FOR IMPORT AND EXPORT (TRADE ANALYSIS)	43
6.4.1	EXPORT SCENARIO OF GLASS SUBSTRATES	43
FIGURE 21	FLOAT GLASS AND SURFACE GROUND OR POLISHED GLASS, IN SHEETS (7005) EXPORTS, BY KEY COUNTRY, 2018-2022 (USD BILLION)	43
6.4.2	IMPORT SCENARIO OF GLASS SUBSTRATES	44
FIGURE 22	FLOAT GLASS AND SURFACE GROUND OR POLISHED GLASS, IN SHEETS (7005) EXPORTS, BY KEY COUNTRY, 2018-2022 (USD BILLION)	44
6.5	MACROECONOMIC OVERVIEW	44
6.5.1	GLOBAL GDP OUTLOOK	44
TABLE 3	WORLD GDP GROWTH PROJECTION, 2019-2026 (USD BILLION)	45
6.6	PRICING ANALYSIS	46

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6.6.1	INDICATIVE PRICING ANALYSIS FOR GLASS SUBSTRATES, BY REGION	46
TABLE 4	INDICATIVE PRICING ANALYSIS OF GLASS SUBSTRATES, BY REGION, 2021-2028 (USD/UNIT)	46
6.7	TECHNOLOGY ANALYSIS	46
6.8	TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS	47
FIGURE 23	GROWING CONCERN FOR SUSTAINABILITY, TECHNOLOGICAL ADVANCEMENTS TO BRING IN CHANGE IN FUTURE REVENUE MIX	47
6.9	TARIFF AND REGULATORY LANDSCAPE	48
6.9.1	TARIFF RELATED TO GLASS SUBSTRATE MARKET	48
6.9.2	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	49
TABLE 5	NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	49
TABLE 6	EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	50
TABLE 7	ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	51
TABLE 8	MIDDLE EAST AND AFRICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	52
TABLE 9	SOUTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	53
6.10	CASE STUDY ANALYSIS	53
6.10.1	SAFE TRANSPORT CONTAINERS FOR SCHOTT TELESCOPE MIRROR SUBSTRATE	53
6.10.1.1	Introduction	53
6.10.1.2	Challenge	53
6.10.1.3	Solution	54
6.11	KEY CONFERENCES & EVENTS, 2022-2023	54
TABLE 10	GLASS SUBSTRATE MARKET: DETAILED LIST OF CONFERENCES & EVENTS	54
6.12	ECOSYSTEM/MARKET MAP	55
TABLE 11	GLASS SUBSTRATE MARKET: ECOSYSTEM	55
FIGURE 24	ECOSYSTEM MAP	55
6.13	KEY STAKEHOLDERS & BUYING CRITERIA	56
6.13.1	KEY STAKEHOLDERS IN BUYING PROCESS	56
FIGURE 25	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR APPLICATIONS	56
TABLE 12	INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR END-USE INDUSTRIES (%)	56
6.13.2	BUYING CRITERIA	57
FIGURE 26	KEY BUYING CRITERIA FOR END-USE INDUSTRIES	57
TABLE 13	KEY BUYING CRITERIA FOR GLASS SUBSTRATE FOR END-USE INDUSTRIES	57
6.14	PATENT ANALYSIS	58
6.14.1	INTRODUCTION	58
FIGURE 27	NUMBER OF PATENTS GRANTED FOR GLASS SUBSTRATES (2013-2023)	58
FIGURE 28	REGIONAL ANALYSIS OF PATENT GRANTED FOR GLASS SUBSTRATES, 2013-2023	59
TABLE 14	LIST OF A FEW PATENTS IN GLASS SUBSTRATE MARKET, 2022-2023	59
7	GLASS SUBSTRATE MARKET, BY TYPE	61
7.1	INTRODUCTION	62
FIGURE 29	BOROSILICATE-BASED GLASS SUBSTRATE TO DOMINATE MARKET IN 2023	62
TABLE 15	GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	62
TABLE 16	GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	63
7.2	BOROSILICATE-BASED GLASS SUBSTRATES	63
7.2.1	ADVANTAGEOUS PROPERTIES OF GLASS SUBSTRATES TO DRIVE DEMAND	63
TABLE 17	BOROSILICATE-BASED GLASS SUBSTRATE MARKET, BY REGION, 2019-2021 (USD MILLION)	64
TABLE 18	BOROSILICATE-BASED GLASS SUBSTRATE MARKET, BY REGION, 2022-2028 (USD MILLION)	64
7.3	SILICON-BASED GLASS SUBSTRATES	64
7.3.1	MECHANICAL SUPPORT FOR INTEGRATED CIRCUITS TO SUPPORT GROWTH	64

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TABLE 19□SILICON-BASED GLASS SUBSTRATE MARKET, BY REGION, 2019-2021 (USD MILLION)□65

TABLE 20□SILICON-BASED GLASS SUBSTRATE MARKET, BY REGION, 2022-2028 (USD MILLION)□65

?

7.4□CERAMIC-BASED GLASS SUBSTRATES□66

7.4.1□ABILITY TO WITHSTAND THERMAL SHOCKS TO DRIVE DEMAND□66

TABLE 21□CERAMIC-BASED GLASS SUBSTRATE MARKET, BY REGION, 2019-2021 (USD MILLION)□66

TABLE 22□CERAMIC-BASED GLASS SUBSTRATE MARKET, BY REGION, 2022-2028 (USD MILLION)□66

7.5□FUSED SILICA-/QUARTZ-BASED GLASS SUBSTRATES□67

7.5.1□GOOD THERMAL SHOCK RESISTANCE TO DRIVE DEMAND□67

TABLE 23□FUSED SILICA/QUARTZ-BASED GLASS SUBSTRATE MARKET, BY REGION, 2019-2021 (USD MILLION)□67

TABLE 24□FUSED SILICA/QUARTZ -BASED GLASS SUBSTRATE MARKET, BY REGION, 2022-2028 (USD MILLION)□67

7.6□OTHER TYPES□68

TABLE 25□OTHER GLASS SUBSTRATES MARKET, BY REGION, 2019-2021 (USD MILLION)□68

TABLE 26□OTHER GLASS SUBSTRATES MARKET, BY REGION, 2022-2028 (USD MILLION)□68

8□GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY□69

8.1□INTRODUCTION□70

FIGURE 30□ELECTRONICS TO ACCOUNT FOR LARGEST MARKET SHARE IN 2023□70

TABLE 27□GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)□70

TABLE 28□GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)□71

8.2□ELECTRONICS□71

8.2.1□INCREASING DEMAND FOR ELECTRONICS PRODUCTS TO DRIVE DEMAND□71

TABLE 29□GLASS SUBSTRATE MARKET IN ELECTRONICS END-USE INDUSTRY, BY REGION, 2019-2021 (USD MILLION)□72

TABLE 30□GLASS SUBSTRATE MARKET IN ELECTRONICS END-USE INDUSTRY, BY REGION, 2022-2028 (USD MILLION)□72

8.3□AUTOMOTIVE□72

8.3.1□RISING DEMAND FOR ELECTRIC VEHICLES TO DRIVE DEMAND□72

TABLE 31□GLASS SUBSTRATE MARKET IN AUTOMOTIVE END-USE INDUSTRY, BY REGION, 2019-2021 (USD MILLION)□73

TABLE 32□GLASS SUBSTRATE MARKET IN AUTOMOTIVE END-USE INDUSTRY, BY REGION, 2022-2028 (USD MILLION)□73

8.4□MEDICAL□73

8.4.1□GROWING MEDICAL DEVICE INDUSTRY TO DRIVE DEMAND□73

TABLE 33□GLASS SUBSTRATE MARKET IN MEDICAL END-USE INDUSTRY, BY REGION, 2019-2021 (USD MILLION)□74

TABLE 34□GLASS SUBSTRATE MARKET IN MEDICAL END-USE INDUSTRY, BY REGION, 2022-2028 (USD MILLION)□74

?

8.5□AEROSPACE & DEFENSE□74

8.5.1□HIGH OPTICAL CLARITY AND RESISTANCE TO ENVIRONMENTAL FACTORS TO DRIVE DEMAND□74

TABLE 35□GLASS SUBSTRATE MARKET IN AEROSPACE AND DEFENSE END-USE INDUSTRY, BY REGION, 2019-2021 (USD MILLION)□75

TABLE 36□GLASS SUBSTRATE MARKET IN AEROSPACE AND DEFENSE END-USE INDUSTRY, BY REGION, 2022-2028 (USD MILLION)□75

8.6□SOLAR POWER□75

8.6.1□RAISING CONCERN FOR CLIMATE CHANGE AND ENVIRONMENTAL ISSUES TO DRIVE DEMAND□75

TABLE 37□GLASS SUBSTRATE MARKET IN SOLAR POWER END-USE INDUSTRY, BY REGION, 2019-2021 (USD MILLION)□76

TABLE 38□GLASS SUBSTRATE MARKET IN SOLAR POWER END-USE INDUSTRY, BY REGION, 2022-2028 (USD MILLION)□76

9□GLASS SUBSTRATE MARKET, BY REGION□77

9.1□INTRODUCTION□78

FIGURE 31□GLASS SUBSTRATE MARKET GROWTH RATE, BY COUNTRY, 2023-2028□78

TABLE 39□GLASS SUBSTRATE MARKET, BY REGION, 2019-2021 (USD MILLION)□79

TABLE 40□GLASS SUBSTRATE MARKET, BY REGION, 2022-2028 (USD MILLION)□79

9.2□NORTH AMERICA□79

9.2.1□ RECESSION IMPACT□79

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TABLE 41	NORTH AMERICA: GLASS SUBSTRATE MARKET, BY COUNTRY, 2019-2021 (USD MILLION)	80
TABLE 42	NORTH AMERICA: GLASS SUBSTRATE MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	80
TABLE 43	NORTH AMERICA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	80
TABLE 44	NORTH AMERICA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	81
TABLE 45	NORTH AMERICA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	81
TABLE 46	NORTH AMERICA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	81
9.2.2	US	82
9.2.2.1	Growing semiconductor and automotive industries to drive demand	82
TABLE 47	US: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	82
TABLE 48	US: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	83
TABLE 49	US: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	83
TABLE 50	US: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	83
9.2.3	CANADA	84
9.2.3.1	Rising solar and automotive industries to drive demand	84
TABLE 51	CANADA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	84
TABLE 52	CANADA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	85
TABLE 53	CANADA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	85
TABLE 54	CANADA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	85
9.2.4	MEXICO	86
9.2.4.1	Increasing automotive industry to grow market	86
TABLE 55	MEXICO: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	86
TABLE 56	MEXICO: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	86
TABLE 57	MEXICO: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	87
TABLE 58	MEXICO: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	87
9.3	ASIA PACIFIC	87
9.3.1	RECESSION IMPACT	88
FIGURE 32	ASIA PACIFIC: MARKET SNAPSHOT	88
TABLE 59	ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY COUNTRY, 2019-2021 (USD MILLION)	89
TABLE 60	ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	89
TABLE 61	ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	89
TABLE 62	ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	90
TABLE 63	ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	90
TABLE 64	ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	90
9.3.2	CHINA	91
9.3.2.1	Government subsidies for semiconductor manufacturers to drive market	91
9.3.3	INDIA	91
9.3.3.1	Rising medical device and automotive industry to increase demand	91
TABLE 65	INDIA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	92
TABLE 66	INDIA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	92
TABLE 67	INDIA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	92
TABLE 68	INDIA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	93
9.3.4	JAPAN	93
9.3.4.1	Growing automotive and semiconductor industries to support market	93
TABLE 69	JAPAN: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	94
TABLE 70	JAPAN: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	94
TABLE 71	JAPAN: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	94
TABLE 72	JAPAN: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	95

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9.3.5 SOUTH KOREA 95

9.3.5.1 Growing electric vehicle market and government initiatives to drive demand 95

TABLE 73 SOUTH KOREA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 96

TABLE 74 SOUTH KOREA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 96

TABLE 75 SOUTH KOREA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 96

TABLE 76 SOUTH KOREA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 97

9.3.6 TAIWAN 97

9.3.6.1 Growing semiconductor industry to drive market 97

TABLE 77 TAIWAN: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 97

TABLE 78 TAIWAN: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 98

TABLE 79 TAIWAN: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 98

TABLE 80 TAIWAN: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 98

9.3.7 REST OF ASIA PACIFIC 99

TABLE 81 REST OF ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 99

TABLE 82 REST OF ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 99

TABLE 83 REST OF ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 100

TABLE 84 REST OF ASIA PACIFIC: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 100

9.4 EUROPE 100

9.4.1 RECESSION IMPACT 101

FIGURE 33 EUROPE: MARKET SNAPSHOT 101

TABLE 85 EUROPE: GLASS SUBSTRATE MARKET, BY COUNTRY, 2019-2021 (USD MILLION) 102

TABLE 86 EUROPE: GLASS SUBSTRATE MARKET, BY COUNTRY, 2022-2028 (USD MILLION) 102

TABLE 87 EUROPE: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 102

TABLE 88 EUROPE: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 103

TABLE 89 EUROPE: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 103

TABLE 90 EUROPE: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 103

9.4.2 GERMANY 104

9.4.2.1 Growing end-use industries to drive demand 104

TABLE 91 GERMANY: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 104

TABLE 92 GERMANY: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 105

TABLE 93 GERMANY: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 105

TABLE 94 GERMANY: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 105

9.4.3 UK 106

9.4.3.1 Government initiatives to provide growth opportunities 106

TABLE 95 UK: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 106

TABLE 96 UK: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 107

TABLE 97 UK: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 107

TABLE 98 UK: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 107

9.4.4 FRANCE 108

9.4.4.1 Government initiatives and growing automotive industry to drive demand 108

TABLE 99 FRANCE: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION) 108

TABLE 100 FRANCE: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION) 109

TABLE 101 FRANCE: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 109

TABLE 102 FRANCE: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION) 109

9.4.5 ITALY 110

9.4.5.1 Growing solar power industry to drive market 110

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TABLE 103	ITALY: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	110
TABLE 104	ITALY: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	111
TABLE 105	ITALY: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	111
TABLE 106	ITALY: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	111
9.4.6	RUSSIA	112
9.4.6.1	Government investment to generate demand	112
TABLE 107	RUSSIA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	112
TABLE 108	RUSSIA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	112
TABLE 109	RUSSIA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	113
TABLE 110	RUSSIA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	113
9.4.7	REST OF EUROPE	113
TABLE 111	REST OF EUROPE: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	114
TABLE 112	REST OF EUROPE: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	114
TABLE 113	REST OF EUROPE: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	114
TABLE 114	REST OF EUROPE: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	115
9.5	SOUTH AMERICA	115
9.5.1	RECESSION IMPACT	116
TABLE 115	SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY COUNTRY, 2019-2021 (USD MILLION)	116
TABLE 116	SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	116
TABLE 117	SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	117
TABLE 118	SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	117
TABLE 119	SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	117
TABLE 120	SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	118
9.5.2	BRAZIL	118
9.5.2.1	Growing automotive industry and government initiatives to drive market	118
TABLE 121	BRAZIL: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	119
TABLE 122	BRAZIL: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	119
TABLE 123	BRAZIL: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	119
TABLE 124	BRAZIL: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	120
9.5.3	ARGENTINA	120
9.5.3.1	Renewable energy initiatives and growing automotive industry to boost market	120
TABLE 125	ARGENTINA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	121
TABLE 126	ARGENTINA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	121
TABLE 127	ARGENTINA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	121
TABLE 128	ARGENTINA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	122
9.5.4	REST OF SOUTH AMERICA	122
TABLE 129	REST OF SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY TYPE, 2019-2021 (USD MILLION)	122
TABLE 130	REST OF SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY TYPE, 2022-2028 (USD MILLION)	123
TABLE 131	REST OF SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	123
TABLE 132	REST OF SOUTH AMERICA: GLASS SUBSTRATE MARKET, BY END-USE INDUSTRY, 2022-2028 (USD MILLION)	123
10	COMPETITIVE LANDSCAPE	124
10.1	OVERVIEW	124
10.2	OVERVIEW OF STRATEGIES ADOPTED BY KEY GLASS SUBSTRATE PLAYERS	124
10.3	MARKET SHARE ANALYSIS	126
FIGURE 34	GLASS SUBSTRATE MARKET: MARKET SHARE ANALYSIS	126

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TABLE 133	GLASS SUBSTRATE MARKET: DEGREE OF COMPETITION	127
10.4	REVENUE ANALYSIS OF TOP MARKET PLAYERS	127
FIGURE 35	REVENUE ANALYSIS FOR KEY COMPANIES IN GLASS SUBSTRATE MARKET IN PAST FIVE YEARS	127
10.5	COMPANY EVALUATION MATRIX	128
10.5.1	STARS	128
10.5.2	EMERGING LEADERS	128
10.5.3	PERVASIVE PLAYERS	128
10.5.4	PARTICIPANTS	128
FIGURE 36	COMPANY EVALUATION MATRIX, 2022	129
10.6	COMPANY FOOTPRINT	130
FIGURE 37	GLASS SUBSTRATE MARKET: PRODUCT FOOTPRINT (25 COMPANIES)	130
TABLE 134	GLASS SUBSTRATE MARKET: END-USE INDUSTRY FOOTPRINT (25 COMPANIES)	131
TABLE 135	GLASS SUBSTRATE MARKET: REGIONAL FOOTPRINT (25 COMPANIES)	132
TABLE 136	GLASS SUBSTRATE MARKET: COMPANY FOOTPRINT (25 COMPANIES)	133
10.7	START-UPS/SMES EVALUATION MATRIX, 2022	134
10.7.1	PROGRESSIVE COMPANIES	134
10.7.2	RESPONSIVE COMPANIES	134
10.7.3	DYNAMIC COMPANIES	134
10.7.4	STARTING BLOCKS	134
FIGURE 38	START-UPS/SMES EVALUATION MATRIX: GLASS SUBSTRATE MARKET, 2022	135
10.8	COMPETITIVE BENCHMARKING	135
TABLE 137	GLASS SUBSTRATE MARKET: DETAILED LIST OF KEY START-UP/SMES	135
TABLE 138	GLASS SUBSTRATE MARKET: COMPETITIVE BENCHMARKING OF KEY START-UP/SMES	136
10.9	COMPETITIVE SCENARIO AND TRENDS	137
10.9.1	PRODUCT LAUNCHES	137
TABLE 139	PRODUCT LAUNCHES, 2019-2023	137
10.9.2	DEALS	138
TABLE 140	DEALS, 2019-2023	138
?		
11	COMPANY PROFILES	140
11.1	KEY PLAYERS	140
	(Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View)*	
11.1.1	AGC INC.	140
TABLE 141	AGC INC.: COMPANY OVERVIEW	140
FIGURE 39	AGC INC.: COMPANY SNAPSHOT	141
TABLE 142	AGC INC.: DEALS	142
TABLE 143	AGC INC.: PRODUCT LAUNCHES	143
TABLE 144	AGC INC.: OTHERS	143
11.1.2	SCHOTT AG	145
TABLE 145	SCHOTT AG: COMPANY OVERVIEW	145
FIGURE 40	SCHOTT AG: COMPANY SNAPSHOT	146
TABLE 146	SCHOTT AG: DEALS	147
TABLE 147	SCHOTT AG: PRODUCT LAUNCHES	148
TABLE 148	SCHOTT AG: OTHERS	148
11.1.3	CORNING INCORPORATED	150
TABLE 149	CORNING INCORPORATED: COMPANY OVERVIEW	150
FIGURE 41	CORNING INCORPORATED: COMPANY SNAPSHOT	151

TABLE 150	CORNING INCORPORATED: DEALS	152
TABLE 151	CORNING INCORPORATED: PRODUCT LAUNCHES	152
TABLE 152	CORNING INCORPORATED: OTHERS	152
11.1.4	NIPPON SHEET GLASS CO., LTD.	154
TABLE 153	NIPPON SHEET GLASS CO., LTD.: COMPANY OVERVIEW	154
FIGURE 42	NIPPON SHEET GLASS CO., LTD.: COMPANY SNAPSHOT	155
TABLE 154	NIPPON SHEET GLASS CO., LTD.: DEALS	156
TABLE 155	NIPPON SHEET GLASS CO., LTD.: PRODUCT LAUNCHES	156
TABLE 156	NIPPON SHEET GLASS CO., LTD.: OTHERS	156
11.1.5	PLAN OPTIK AG	158
TABLE 157	PLAN OPTIK AG: COMPANY OVERVIEW	158
FIGURE 43	PLAN OPTIK AG: COMPANY SNAPSHOT	158
TABLE 158	PLAN OPTIK AG: DEALS	159
11.1.6	HOYA CORPORATION	160
TABLE 159	HOYA CORPORATION: COMPANY OVERVIEW	160
FIGURE 44	HOYA CORPORATION: COMPANY SNAPSHOT	161
11.1.7	OHARA INC.	163
TABLE 160	OHARA INC.: COMPANY OVERVIEW	163
FIGURE 45	OHARA INC.: COMPANY SNAPSHOT	163
11.1.8	IRICO GROUP NEW ENERGY COMPANY LIMITED	165
TABLE 161	IRICO GROUP NEW ENERGY COMPANY LIMITED: COMPANY OVERVIEW	165
FIGURE 46	IRICO GROUP NEW ENERGY COMPANY LIMITED: COMPANY SNAPSHOT	166
?		
11.1.9	TOPPAN INC.	167
TABLE 162	TOPPAN INC.: COMPANY OVERVIEW	167
FIGURE 47	TOPPAN INC.: COMPANY SNAPSHOT	168
11.1.10	TUNGHSU GROUP CO. LTD.	169
TABLE 163	TUNGHSU GROUP CO. LTD.: COMPANY OVERVIEW	169
11.1.11	NIPPON ELECTRIC GLASS CO., LTD.	170
TABLE 164	NIPPON ELECTRIC GLASS CO., LTD.: COMPANY OVERVIEW	170
FIGURE 48	NIPPON ELECTRIC GLASS CO., LTD.: COMPANY SNAPSHOT	170
TABLE 165	NIPPON ELECTRIC GLASS CO., LTD.: DEALS	171
TABLE 166	NIPPON ELECTRIC GLASS CO., LTD.: PRODUCT LAUNCHES	171
11.2	OTHER PLAYERS	173
11.2.1	SPECIALTY GLASS PRODUCTS	173
TABLE 167	SPECIALTY GLASS PRODUCTS: COMPANY OVERVIEW	173
11.2.2	ABSOLICS INC.	173
TABLE 168	ABSOLICS INC.: COMPANY OVERVIEW	173
11.2.3	BIOTAIN CRYSTAL CO., LIMITED	174
TABLE 169	BIOTAIN CRYSTAL CO., LIMITED: COMPANY OVERVIEW	174
11.2.4	YATEKS	174
TABLE 170	YATEKS: COMPANY OVERVIEW	174
11.2.5	VALLEY DESIGN CORP.	175
TABLE 171	VALLEY DESIGN CORP.: COMPANY OVERVIEW	175
11.2.6	AVANSTRATE INC.	175
TABLE 172	AVANSTRATE INC.: COMPANY OVERVIEW	175
11.2.7	KYODO INTERNATIONAL, INC.	176

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TABLE 173	KYODO INTERNATIONAL, INC.: COMPANY OVERVIEW	176
11.2.8	TAIWAN GLASS IND. CORP.	176
TABLE 174	TAIWAN GLASS IND. CORP.: COMPANY OVERVIEW	176
11.2.9	GUARDIAN INDUSTRIES	177
TABLE 175	GUARDIAN INDUSTRIES: COMPANY OVERVIEW	177
11.2.10	TECNISCO, LTD.	178
TABLE 176	TECNISCO, LTD.: COMPANY OVERVIEW	178
11.2.11	ARRYAIT CORPORATION	179
TABLE 177	ARRYAIT CORPORATION: COMPANY OVERVIEW	179
11.2.12	PRAZISIONS GLAS & OPTIK GMBH	179
TABLE 178	PRAZISIONS GLAS & OPTIK GMBH: COMPANY OVERVIEW	179
11.2.13	JIANGSU SUCHUAN TECHNOLOGY CO., LTD.	180
TABLE 179	JIANGSU SUCHUAN TECHNOLOGY CO., LTD.: COMPANY OVERVIEW	180
11.2.14	BUWON PRECISION SCIENCES CO., LTD.	180
TABLE 180	BUWON PRECISION SCIENCES CO., LTD.: COMPANY OVERVIEW	180
11.2.15	VIRACON	181
TABLE 181	VIRACON: COMPANY OVERVIEW	181
*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.		
12	ADJACENT MARKET	182
12.1	INTRODUCTION	182
12.2	DISPLAY MARKET	182
TABLE 182	DISPLAY MARKET, BY REGION, 2019-2022 (USD BILLION)	183
TABLE 183	DISPLAY MARKET, BY REGION, 2023-2028 (USD BILLION)	183
13	APPENDIX	184
13.1	DISCUSSION GUIDE	184
13.2	KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL	187
13.3	AVAILABLE CUSTOMIZATIONS	189
13.4	RELATED REPORTS	189
13.5	AUTHOR DETAILS	190

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