

# **Global Smart Glass Market Size study, by Technology (Electrochromic, PDLC, SPD, Thermochemical, Photochromic), by Application (Architectural, Transportation, Automotive, Aircraft, Marine, Consumer Electronics, Power Generation) and Regional Forecasts 2019-2026**

<https://marketpublishers.com/r/GDD64E0073DEN.html>

Date: June 2019

Pages: 200

Price: US\$ 3,950.00 (Single User License)

ID: GDD64E0073DEN

## **Abstracts**

Global Smart Glass Market valued approximately USD 3.85 billion in 2018 is anticipated to grow with a healthy growth rate of more than 16.63% over the forecast period 2019-2026. The Smart Glass Market is continuously growing in the global scenario at significant pace. Smart glass controls the transmission properties of light by alterations in heat and voltage. Various types of smart glass include thermochemical, electrochromic, photochromic, suspended particle device (SPD), polymer disperse liquid crystal (PDLC), micro-blinds, and nanocrystal glass. These glasses are majorly used in construction industry in the form of electrochromic windows. Rapid developments in the automotive industry, expansion in the application areas and growing demand glass in construction industry are the substantial driving factors of the market during the forecast period. Additionally, administrative initiatives for green building and Growing demand from transportation sector are expected to boost the demand for smart glass. Moreover, emergence of smart glass technologies and shift from traditional approach of energy conservation to innovative approach using smart glasses are the factors that likely to create numerous opportunity in the near future. Moreover, smart glass offers several benefits such as helps in maintain privacy, energy saving, durable, blocks UV rays and so on therefore, these benefits also impelling the demand of smart glass among end-users all over the world. However, high manufacturing cost of smart glass products and lack of awareness about emerging innovations by the service providers are the factors that limiting the growth of the market during the forecast period.

The regional analysis of Global Smart Glass Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share due to presence of favorable regulations and increasing automotive production due to demand of smart glass is also rising in the region. Europe is estimated to grow at stable growth rate in the global Smart Glass market over the upcoming years. Further, Asia-Pacific is anticipated to exhibit higher growth rate / CAGR over the forecast period 2019-2026 due to increasing adoption of smart glass in transportation and consumer electronics across the region.

The major market player included in this report are:

Asahi Glass Co. Ltd.

ChromoGenics AB

Corning Incorporated

Dupont

E-chromic Technologies Inc.

Gentex Corporation

Guardian Industries Corp.

Hitachi Chemical Co. Ltd.

Innovative Glass Corporation

Kinestral Technologies Inc.

LTI Smart Glass Inc.

Merck KGaA

Pleotint LLC

PPG Industries Inc.

RavenBrick LLC

Research Frontiers Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Electrochromic  
PDLC  
SPD  
Thermochromic  
Photochromic

By Application:

Architectural  
Transportation  
Automotive  
Aircraft  
Marine  
Consumer Electronics  
Power Generation

By Regions:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
Asia Pacific  
China  
India  
Japan  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global Smart Glass Market in Market Study:

*Global Smart Glass Market Size study, by Technology (Electrochromic, PDLC, SPD, Thermochromic, Photochromic),...*

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Key Trends
- 1.3. Global & Segmental Market Estimates & Forecasts, 2016-2026 (USD Billion)
  - 1.3.1. Smart Glass Market, by Technology, 2016-2026 (USD Billion)
  - 1.3.2. Smart Glass Market, by Application, 2016-2026 (USD Billion)
  - 1.3.3. Smart Glass Market, by Region, 2016-2026 (USD Billion)
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. SMART GLASS MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. SMART GLASS MARKET DYNAMICS**

- 3.1. See Saw Analysis
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### **CHAPTER 4. SMART GLASS MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Buyers
  - 4.1.2. Bargaining Power of Suppliers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.2. PEST Analysis

- 4.2.1. Political Scenario
- 4.2.2. Economic Scenario
- 4.2.3. Social Scenario
- 4.2.4. Technological Scenario
- 4.3. Key Buying Criteria (On Demand)
- 4.4. Regulatory Framework (On Demand)
- 4.5. Investment Vs Adoption Scenario (On Demand)
- 4.6. Analyst Recommendation & Conclusion

## **CHAPTER 5. SMART GLASS MARKET, BY TECHNOLOGY**

- 5.1. Market Snapshot
- 5.2. Market Performance - Potential Model
- 5.3. Key Market Players
- 5.4. Smart Glass Market, Sub Segment Analysis
  - 5.4.1. Electrochromic
    - 5.4.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 5.4.1.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 5.4.2. PDLC
    - 5.4.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 5.4.2.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 5.4.3. SPD
    - 5.4.3.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 5.4.3.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 5.4.4. Thermochromic
    - 5.4.4.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 5.4.4.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 5.4.5. Photochromic
    - 5.4.5.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 5.4.5.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)

## **CHAPTER 6. SMART GLASS MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Market Performance - Potential Model
- 6.3. Key Market Players
- 6.4. Smart Glass Market, Sub Segment Analysis
  - 6.4.1. Architectural
    - 6.4.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)

- 6.4.1.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 6.4.2. Transportation
  - 6.4.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 6.4.2.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 6.4.3. Automotive
  - 6.4.3.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 6.4.3.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 6.4.4. Aircraft
  - 6.4.4.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 6.4.4.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 6.4.5. Marine
  - 6.4.5.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 6.4.5.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 6.4.6. Consumer Electronics
  - 6.4.6.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 6.4.6.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 6.4.7. Power Generation
  - 6.4.7.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 6.4.7.2. Regional breakdown estimates & forecasts, 2016-2026 (USD Billion)

## **CHAPTER 7. SMART GLASS MARKET, BY REGIONAL ANALYSIS**

- 7.1. Smart Glass Market, Regional Market Snapshot (2016-2026)
- 7.2. North America Smart Glass Market Snapshot
  - 7.2.1. U.S.
    - 7.2.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.2.1.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.2.1.3. Applications breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.2.2. Canada
    - 7.2.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.2.2.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.2.2.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 7.3. Europe Smart Glass Market Snapshot
  - 7.3.1. U.K.
    - 7.3.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.3.1.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.3.1.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.3.2. Germany
    - 7.3.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)



- 7.3.2.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 7.3.2.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 7.3.3. Rest of Europe
  - 7.3.3.1. Market estimates & forecasts, 2016-2026 (USD Billion)
  - 7.3.3.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.3.3.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 7.4. Asia Smart Glass Market Snapshot
  - 7.4.1. China
    - 7.4.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.1.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.1.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.4.2. India
    - 7.4.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.2.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.2.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.4.3. Japan
    - 7.4.3.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.3.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.3.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.4.4. Rest of Asia Pacific
    - 7.4.4.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.4.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.4.4.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 7.5. Latin America Smart Glass Market Snapshot
  - 7.5.1. Brazil
    - 7.5.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.5.1.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.5.1.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.5.2. Mexico
    - 7.5.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.5.2.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.5.2.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
- 7.6. Rest of The World
  - 7.6.1. South America
    - 7.6.1.1. Market estimates & forecasts, 2016-2026 (USD Billion)
    - 7.6.1.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)
    - 7.6.1.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)
  - 7.6.2. Middle East and Africa
    - 7.6.2.1. Market estimates & forecasts, 2016-2026 (USD Billion)



7.6.2.2. Technology breakdown estimates & forecasts, 2016-2026 (USD Billion)

7.6.2.3. Application breakdown estimates & forecasts, 2016-2026 (USD Billion)

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

8.1. Company Market Share (Subject to Data Availability)

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. Asahi Glass Co. Ltd.

8.3.1.1. Overview

8.3.1.2. Financial (Subject to Data Availability)

8.3.1.3. Summary

8.3.1.4. Recent Developments

8.3.2. ChromoGenics AB

8.3.3. Corning Incorporated

8.3.4. Dupont

8.3.5. E-chromic Technologies Inc.

8.3.6. Gentex Corporation

8.3.7. Guardian Industries Corp.

8.3.8. Hitachi Chemical Co. Ltd.

8.3.9. Innovative Glass Corporation

8.3.10. Kinestral Technologies Inc.

8.3.11. LTI Smart Glass Inc.

8.3.12. Merck KGaA

8.3.13. Pleotint LLC

8.3.14. PPG Industries Inc.

8.3.15. RavenBrick LLC

8.3.16. Research Frontiers Inc.

## **CHAPTER 9. RESEARCH PROCESS**

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.1.6. Research Assumption

## I would like to order

Product name: Global Smart Glass Market Size study, by Technology (Electrochromic, PDLC, SPD, Thermochemical, Photochromic), by Application (Architectural, Transportation, Automotive, Aircraft, Marine, Consumer Electronics, Power Generation) and Regional Forecasts 2019-2026

Product link: <https://marketpublishers.com/r/GDD64E0073DEN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GDD64E0073DEN.html>