

# Industrial Gases-Glass Industry Market by Type (Oxygen, Hydrogen, Nitrogen, Others), Glass Type (Container, Flat, Fibre), Transportation Mode (Cylinders, Merchant Liquid, Tonnage Distribution), Function (Forming, Finishing, Atmospheric Control - Forecast to 2020

https://marketpublishers.com/r/l595C1C5E4EEN.html

Date: December 2015

Pages: 232

Price: US\$ 5,650.00 (Single User License)

ID: I595C1C5E4EEN

### **Abstracts**

"Growing construction and automotive industries to drive the market for industrial gases in the glass industry"

The global market for industrial gases in the glass industry is projected to grow from USD 2,572.9 million in 2015 to reach USD 3,490.8 million by 2020, at an estimated CAGR of 6.29%. The market for industrial gases in the glass industry is driven by growing glass packaging industry.

"Oxygen projected to grow during the forecast period"

Oxygen is projected to be the fastest-growing industrial gas in the glass industry in the next five years. Due to the growing consumption of glass and the consequent oxy-fuel furnace method of glass production, oxygen is projected to be the fastest-growing industrial gas in the glass industry.

### Breakdown of Primaries:

Primary interviews were conducted with a number of industry experts in order to collect data related to different aspects of industrial gases in the glass industry. Estimates reached after analyzing secondary sources were validated through these interviews.



Primary sources include professionals such as industrial gas manufacturers, distributors, and academic professionals. The following figure provides a breakdown of the types of companies to which the primary sources belong, the number of primaries by designation, and their regional break-up. Distribution of primary interviews is as follows:

Note: Others include sales managers, marketing managers, and product managers

Tier-1: Revenue USD 500 million

Tier-2: USD 100 Revenue USD 500 million

Tier 3: Revenue USD 100 million

The various suppliers of industrial gases in the glass industry profiled in the report are:

- 1. Air Products & Chemicals, Inc. (U.S.)
- 2. The Linde Group (Germany)
- 3. Praxair, Inc. (U.S.)
- 4. Taiyo Nippon Sanso Corporation (Japan)
- 5. Air Liquide SA (France)
- 6. Gulf Cryo (Bahrain)
- 7. HyGear (Netherlands)
- 8. Taiyo Nippon Sanso Corporation (Japan)
- 9. SIG Gases Berhad (Malaysia)
- 10. Messer Group GmbH (Germany)

The report will help the market leaders/new entrants in this market in the following ways:

- 1. This report segments the market for industrial gases in the glass industry comprehensively and provides the closest approximations of the revenue numbers for the overall market and the subsegments across the different verticals and regions.
- 2. The report helps stakeholders to understand the market and provides them information on key market drivers, restraints, challenges, and opportunities.
- 3. This report will help stakeholders to better understand their competitors and gain more insights to their position in the business.



### **Contents**

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
  - 1.3.1 YEARS CONSIDERED
- 1.4 CURRENCY CONSIDERED
- 1.5 UNIT CONSIDERED
- 1.6 STAKEHOLDERS

### **2 RESEARCH METHODOLOGY**

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Breakdown of primary interviews
- 2.2 FACTOR ANALYSIS
  - 2.2.1 DEMAND-SIDE ANALYSIS
    - 2.2.1.1 Rising population
    - 2.2.1.2 Increasing income and spending capacity
    - 2.2.1.3 Industrialization
  - 2.2.2 SUPPLY-SIDE ANALYSIS
    - 2.2.2.1 Fluctuations in fuel prices
- 2.3 MARKET SIZE ESTIMATION
- 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS AND LIMITATIONS
  - 2.5.1.1 Assumptions
  - 2.5.1.2 Limitations

### **3 EXECUTIVE SUMMARY**

3.1 INCREASING APPLICATIONS OF GLASS IN THE CONSTRUCTION INDUSTRY ARE DRIVING THE MARKET FOR INDUSTRIAL GASES IN THE GLASS INDUSTRY 3.2 DRIVING FACTORS FOR THE USE OF INDUSTRIAL GASES IN THE GLASS INDUSTRY



- 3.3 CONTAINER GLASS IS PROJECTED TO OCCUPY THE LARGEST SHARE AMONG ALL GLASS TYPES, BY 2020
- 3.4 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY REGION, 2015 VS. 2020
- 3.5 GROWTH RATES OF COUNTRIES BETWEEN 2015 AND 2020
- 3.6 KEY STRATEGIES ADOPTED BY LEADING MARKET PLAYERS FROM 2011 TO 2015

### **4 PREMIUM INSIGHTS**

- 4.1 ATTRACTIVE MARKET OPPORTUNITIES IN THE MARKET FOR INDUSTRIAL GASES IN THE GLASS INDUSTRY
- 4.2 HYDROGEN PROJECTED TO DOMINATE THE MARKET, IN TERMS OF VALUE, FROM

### 2015 TO 2020

- 4.3 INDUSTRIAL GASES IN THE GLASS INDUSTRY IN THE ASIA-PACIFIC REGION
- 4.4 GROWTH RATES OF COUNTRIES FROM 2015 TO 2020
- 4.5 REGION WISE MARKET SHARE IN 2014
- 4.6 EMERGING MARKETS VS. DEVELOPED MARKETS
- 4.7 FORMING & MELTING DOMINATED THE MARKET IN 2014
- 4.8 INDUSTRIAL GASES IN THE GLASS INDUSTRY LIFE CYCLE ANALYSIS, BY REGION

### **5 MARKET OVERVIEW**

- 5.1 INTRODUCTION
- **5.2 MARKET EVOLUTION**
- 5.3 MARKET DYNAMICS
  - 5.3.1 DRIVERS
    - 5.3.1.1 Growth in the glass industry and its end-users
      - 5.3.1.1.1 Increasing application of glass in the construction industry
      - 5.3.1.1.2 Rising glass packaging industry
    - 5.3.1.2 Growing demand for energy-efficient glass production techniques
  - 5.3.2 RESTRAINTS
    - 5.3.2.1 Environmental impacts through glass production
  - 5.3.3 OPPORTUNITIES
    - 5.3.3.1 High demand from the automotive industry



### 5.3.4 CHALLENGES

5.3.4.1 Intricate manufacturing process

### **6 INDUSTRY TRENDS**

- 6.1 INTRODUCTION
- **6.2 VALUE CHAIN**
- 6.3 PORTER'S FIVE FORCES ANALYSIS
  - **6.3.1 THREAT OF NEW ENTRANTS**
  - 6.3.2 THREAT OF SUBSTITUTES
  - 6.3.3 BARGAINING POWER OF SUPPLIERS
  - 6.3.4 BARGAINING POWER OF BUYERS
  - 6.3.5 INTENSITY OF COMPETITIVE RIVALRY
- 6.4 AVERAGE PRICE ANALYSIS
  - 6.4.1 BY REGION
  - 6.4.2 BY TYPE
  - 6.4.3 BY FUNCTION
  - 6.4.4 BY GLASS TYPE

### 7 INDUSTRIAL GASES IN THE GLASS INDUSTRY, BY GLASS TYPE

### 7.1 INTRODUCTION

- 7.1.1 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, BY GLASS TYPE
  - 7.1.1.1 Container glass accounted for the largest market share in 2014
- 7.2 CONTAINER GLASS
- 7.3 FLAT GLASS
- 7.4 FIBER GLASS
- 7.5 OTHERS (SPECIALTY GLASS, ART & TABLEWARE GLASS)

### 8 INDUSTRIAL GASES IN THE GLASS INDUSTRY, BY TYPE

### 8.1 INTRODUCTION

- 8.1.1 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, BY TYPE
- 8.1.1.1 Oxygen projected to be the fastest-growing type in glass manufacturing, by 2020
- 8.2 OXYGEN
- 8.2.1 OXYGEN IN THE GLASS INDUSTRY MARKET, BY TRANSPORTATION MODE
  - 8.2.1.1 Cylinder & packaged gas distribution dominated the market in 2014



### 8.3 NITROGEN

- 8.3.1 NITROGEN IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE
- 8.3.1.1 Merchant liquid distribution projected to be the fastest-growing transportation mode of nitrogen, by 2020
- 8.4 HYDROGEN
- 8.4.1 HYDROGEN IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE
- 8.4.1.1 Cylinder & packaged gas distribution projected to show potential growth opportunities, by 2020
- 8.5 ACETYLENE
- 8.5.1 ACETYLENE IN THE GLASS INDUSTRY MARKET, BY TRANSPORTATION MODE
- 8.5.1.1 Merchant liquid distribution projected to have the highest CAGR, through 2020
- 8.6 ARGON
- 8.6.1 ARGON IN THE GLASS INDUSTRY MARKET, BY TRANSPORTATION MODE
- 8.6.1.1 Cylinder & packaged gas distribution held the largest market share in 2014
- 8.7 OTHER GASES
- 8.7.1 OTHER GASES IN THE GLASS INDUSTRY MARKET, BY TRANSPORTATION MODE
  - 8.7.1.1 Merchant liquid distribution held the second-largest share in 2014

### 9 BY TRANSPORTATION MODE

- 9.1 INTRODUCTION
- 9.1.1 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE
- 9.1.1.1 Cylinder & packaged gas distribution dominated the market, by transportation mode, in 2014
- 9.2 CYLINDERS & PACKAGED GAS
- 9.3 MERCHANT LIQUID DISTRIBUTION
- 9.4 TONNAGE DISTRIBUTION

### 10 INDUSTRIAL GASES IN THE GLASS INDUSTRY, BY FUNCTION

- 10.1 INTRODUCTION
- 10.1.1 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, BY FUNCTION
  - 10.1.1.1 Forming & melting dominated the market in 2014



- 10.2 FORMING & MELTING
- 10.3 ATMOSPHERIC CONTROL
- 10.4 FINISHING & POLISHING
- 10.5 OTHERS

### 11 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, BY REGION

- 11.1 INTRODUCTION
- 11.1.1 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY REGION
- 11.1.1.1 Asia-Pacific dominated the market for industrial gases in the glass industry in 2014
- 11.2 ASIA-PACIFIC
- 11.2.1 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY
- 11.2.1.1 China dominated the Asia-Pacific industrial gases market in the glass industry in 2014
  - 11.2.1.2 Asia-Pacific: Industrial gases in the glass industry market size, by Type
    - 11.2.1.2.1 Hydrogen accounted for the largest market share in 2014, by value
  - 11.2.1.3 Asia-Pacific: Industrial gases in the glass industry market size, by Glass type
    - 11.2.1.3.1 Flat glass to grow at the highest CAGR by 2020
  - 11.2.1.4 Asia-Pacific: Industrial gases in the glass industry market size, by Function
  - 11.2.1.4.1 Forming & melting to grow at the highest rate by 2020
- 11.2.1.5 Asia-Pacific: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.2.1.5.1 Cylinder & packaged gas distribution was the largest market in 2014 11.2.2 CHINA
    - 11.2.2.1 China: Industrial gases in the glass industry market size, by Type
      - 11.2.2.1.1 Growing construction industry is driving the glass market in China
    - 11.2.2.2 China: Industrial gases in the glass industry market size, by Glass type
      - 11.2.2.2.1 Container glass dominated the Chinese market
    - 11.2.2.3 China: Industrial gases in the glass industry market size, by Function
      - 11.2.2.3.1 Forming & melting dominated the market in China
- 11.2.2.4 China: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.2.2.4.1 Merchant Liquid Distribution projected to grow at the highest rate by 2020 11.2.3 JAPAN
    - 11.2.3.1 Japan: Industrial gases in the glass industry market size, by Type
      - 11.2.3.1.1 Oxygen to grow at the highest CAGR by 2020
    - 11.2.3.2 Japan: Industrial gases in the glass industry market size, by Glass type



- 11.2.3.2.1 Flat glass projected to grow at the highest rate by 2020
- 11.2.3.3 Japan: Industrial gases in the glass industry market size, by Function
- 11.2.3.3.1 Function of industrial gases in the glass industry in forming & melting was the highest in 2014
- 11.2.3.4 Japan: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.2.3.4.1 Cylinder & packaged gas distribution dominated the market in 2014 11.2.4 INDIA
    - 11.2.4.1 India: Industrial gases in the glass industry market size, by Type
      - 11.2.4.1.1 Nitrogen projected to grow at the highest rate by 2020
    - 11.2.4.2 India: Industrial gases in the glass industry market size, by Glass type
      - 11.2.4.2.1 Glass fiber showing potential for growth in India
    - 11.2.4.3 India: Industrial gases in the glass industry market size, by Function
- 11.2.4.3.1 Glass industry in India is largely driven by growth in the income of middleclass population
- 11.2.4.4 India: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.2.4.4.1 Cylinder & Packaged Gas Distribution dominated the market in 2014 11.2.5 SOUTH KOREA
    - 11.2.5.1 South Korea: Industrial gases in the glass industry market size, by Type
    - 11.2.5.1.1 Oxygen to grow at the second-highest CAGR by 2020
- 11.2.5.2 South Korea: Industrial gases in the glass industry market size, by Glass type
  - 11.2.5.2.1 Container glass accounted for the largest market share in 2014
  - 11.2.5.3 South Korea: Industrial gases in the glass industry market size, by Function
- 11.2.5.3.1 Function of industrial gases in the glass industry in forming & melting was the largest in 2014
- 11.2.5.4 South Korea: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.2.5.4.1 Merchant liquid distribution to grow at the highest rate by 2020 11.2.6 REST OF ASIA-PACIFIC
- 11.2.6.1 Rest of Asia-Pacific: Industrial gases in the glass industry market size, by Type
- 11.2.6.1.1 Hydrogen held the largest share in the rest of APAC industrial gases in the glass industry
- 11.2.6.2 Rest of Asia-Pacific: Industrial gases in the glass industry market size, by Glass type
  - 11.2.6.2.1 Flat glass was the second-largest market in 2014
  - 11.2.6.3 Rest of Asia-Pacific: Industrial gases in the glass industry market size, by



### **Function**

- 11.2.6.3.1 Atmospheric control was the second-largest function for industrial gases in the glass industry in 2014
- 11.2.6.4 Rest of Asia-Pacific: Industrial gases in the glass industry market size, by Function
- 11.2.6.4.1 Cylinder & Packaged Gas Distribution was the largest function for industrial gases in the glass industry in 2014

### 11.3 EUROPE

- 11.3.1.1 Europe: Industrial gases in the glass industry market size, by Country
- 11.3.1.1.1 Germany held the largest share in the European industrial gases in the glass industry market
  - 11.3.1.2 Europe: Industrial gases in the glass industry market size, by Type
    - 11.3.1.2.1 Oxygen to grow at the highest CAGR by 2020
  - 11.3.1.3 Europe: Industrial gases in the glass industry market size, by Glass type
    - 11.3.1.3.1 Growing infrastructure driving the glass industry in Europe
  - 11.3.1.4 Europe: Industrial gases in the glass industry market size, by Function
    - 11.3.1.4.1 Forming & melting dominated the market in Europe in 2014
- 11.3.1.5 Europe: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.3.1.5.1 Merchant liquid distribution dominated the market in Europe 11.3.2 GERMANY
    - 11.3.2.1 Germany: Industrial gases in the glass industry market size, by Type
      - 11.3.2.1.1 Hydrogen accounted for the largest market share in 2014
    - 11.3.2.2 Germany: Industrial gases in the glass industry market size, by Glass type
      - 11.3.2.2.1 Container Glass accounted for the largest market share in 2014
    - 11.3.2.3 Germany: Industrial gases in the glass industry market size, by Function
      - 11.3.2.3.1 Atmospheric control was the second-largest market in 2014 in Germany
- 11.3.2.4 Germany: Industrial gases in the glass industry market size, by Transportation Mode
- 11.3.2.4.1 Merchant liquid distribution was the second-largest market in 2014 in Germany

### 11.3.3 U.K.

- 11.3.3.1 U.K.: Industrial gases in the glass industry market size, by Type
  - 11.3.3.1.1 Nitrogen projected to grow at the second-highest rate
- 11.3.3.2 U.K.: Industrial gases in the glass industry market size, by Glass type
  - 11.3.3.2.1 Glass fiber to grow at the second-highest rate by 2020 in the U.K.
- 11.3.3.3 U.K.: Industrial gases in the glass industry market size, by Function
- 11.3.3.3.1 Forming & melting dominated the U.K. market for industrial gases in the glass industry



- 11.3.3.4 U.K.: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.3.3.4.1 Merchant liquid distribution showing growth potential in the U.K.

### 11.3.4 ITALY

- 11.3.4.1 Italy: Industrial gases in the glass industry market size, by Type
  - 11.3.4.1.1 Oxygen projected to grow at the highest rate by 2020
- 11.3.4.2 Italy: Industrial gases in the glass industry market size, by Glass type
- 11.3.4.2.1 Container glass dominated the market in Italy in 2014
- 11.3.4.3 Italy: Industrial gases in the glass industry market size, by Function
  - 11.3.4.3.1 Forming & melting dominated the market in 2014
- 11.3.4.4 Italy: Industrial gases in the glass industry market size, by Function
- 11.3.4.4.1 Cylinder & packaged gas distribution dominated the market in 2014

### 11.3.5 FRANCE

- 11.3.5.1 France: Industrial gases in the glass industry market size, by Type
  - 11.3.5.1.1 Oxygen projected to grow at the highest rate by 2020
- 11.3.5.2 France: Industrial gases in the glass industry market size, by Glass type
  - 11.3.5.2.1 Growing construction activities driving the glass industry
- 11.3.5.3 France: Industrial gases in the glass industry market size, by Function
  - 11.3.5.3.1 Forming & melting dominated the market
- 11.3.5.4 France: Industrial gases in the glass industry market size, by Transportation Mode
- 11.3.5.4.1 Cylinder & packaged gas distribution accounted for the largest share in Italy

### 11.3.6 REST OF EUROPE

- 11.3.6.1 Rest of Europe: Industrial gases in the glass industry market size, by Type 11.3.6.1.1 Oxygen to grow at the highest CAGR by 2020
- 11.3.6.2 Rest of Europe: Industrial gases in the glass industry market size, by Glass type
  - 11.3.6.2.1 Glass fiber to grow at the second-highest rate by 2020
- 11.3.6.3 Rest of Europe: Industrial gases in the glass industry market size, by Function
- 11.3.6.3.1 Forming & melting accounted for the largest share in 2014 and is also projected to grow at the highest CAGR by 2020
- 11.3.6.4 Rest of Europe: Industrial gases in the glass industry market size, by Transportation Mode
- 11.3.6.4.1 Merchant liquid distribution projected to grow at the highest CAGR by 2020

### 11.4 NORTH AMERICA

11.4.1.1 North America: Industrial gases in the glass industry market size, by country



- 11.4.1.1.1 Mexico is projected to be the fastest-growing market by 2020
- 11.4.1.2 North America: Industrial gases in the glass industry market size, by Type
  - 11.4.1.2.1 North American market driven by growing glass packaging industry
- 11.4.1.3 North America: Industrial gases in the glass industry market size, by Glass type
  - 11.4.1.3.1 Flat Glass segment to grow at the highest rate by 2020
- 11.4.1.4 North America: Industrial gases in the glass industry market size, by Function
- 11.4.1.4.1 Forming & melting segment accounted for the largest share owing to its growing function in the glass industry
- 11.4.1.5 North America: Industrial gases in the glass industry market size, by Transportation Mode
- 11.4.1.5.1 Cylinder & packaged gas distribution segment dominated the market in North America
  - 11.4.2 U.S.
    - 11.4.2.1 U.S.: Industrial gases in the glass industry market size, by Type
    - 11.4.2.1.1 Hydrogen segment dominated the market in the U.S., in 2014
    - 11.4.2.2 U.S.: Industrial gases in the glass industry market size, by Glass type
      - 11.4.2.2.1 Container glass segment accounted for the largest share in 2014
    - 11.4.2.3 U.S.: Industrial gases in the glass industry market size, by Function
      - 11.4.2.3.1 Atmospheric control showing signs of potential growth in the U.S.
- 11.4.2.4 U.S.: Industrial gases in the glass industry market size, by Transportation Mode
- 11.4.2.4.1 Cylinder & packaged gas distribution segment dominated the market in 2014
  - 11.4.3 CANADA
    - 11.4.3.1 Canada: Industrial gases in the glass industry market size, by Type
      - 11.4.3.1.1 Hydrogen was the largest segment in 2014
    - 11.4.3.2 Canada: Industrial gases in the glass industry market size, by Glass type
      - 11.4.3.2.1 Flat glass segment to grow at the highest CAGR in the Canadian market
    - 11.4.3.3 Canada: Industrial gases in the glass industry market size, by Function
- 11.4.3.3.1 Forming & melting function dominated the industrial gases market in 2014
- 11.4.3.4 Canada: Industrial gases in the glass industry market size, by Transportation Mode
  - 11.4.3.4.1 Merchant liquid distribution segment to grow at the highest rate by 2020 11.4.4 MEXICO
    - 11.4.4.1 Mexico: Industrial gases in the glass industry market size, by Type
      - 11.4.4.1.1 Mexican industrial gases in the glass industry market, by Type, was



### dominated by hydrogen segment in 2014

- 11.4.4.2 Mexico: Industrial gases in the glass industry market size, by Glass type
  - 11.4.4.2.1 Container glass segment dominated the market in 2014
- 11.4.4.3 Mexico: Industrial gases in the glass industry market size, by Function
- 11.4.4.3.1 Atmospheric Control segment to grow at the second-highest rate by 2020
- 11.4.4.4 Mexico: Industrial gases in the glass industry market size, by Transportation Mode
- 11.4.4.4.1 Merchant liquid distribution segment to grow at the highest rate by 2020 11.5 REST OF THE WORLD (ROW)
  - 11.5.1.1 RoW: Industrial gases in the glass industry market size, by country
- 11.5.1.1.1 Brazil dominated the RoW industrial gases in the glass industry market in 2014
  - 11.5.1.2 RoW: Industrial gases in the glass industry market size, by Type
    - 11.5.1.2.1 Nitrogen segment to grow at the second-highest rate by 2020
  - 11.5.1.3 RoW: Industrial gases in the glass industry market size, by Glass type
    - 11.5.1.3.1 Glass Fiber segment is projected to have potential growth by 2020
  - 11.5.1.4 RoW: Industrial gases in the glass industry market size, by Function
    - 11.5.1.4.1 Forming & melting segment dominated the market in 2014, in RoW
- 11.5.1.5 RoW: Industrial gases in the glass industry market size, by Transportation Mode
- 11.5.1.5.1 Cylinder & Packaged Gas Distribution segment dominated the market in 2014
  - 11.5.2 BRAZIL
    - 11.5.2.1 Brazil: Industrial gases in the glass industry market size, by Type
- 11.5.2.1.1 Industrial gases in the glass industry market in Brazil was dominated by the hydrogen segment in 2014
  - 11.5.2.2 Brazil: Industrial gases in the glass industry market size, by Glass type
    - 11.5.2.2.1 Flat Glass segment is projected to grow at the highest CAGR by 2020
  - 11.5.2.3 Brazil: Industrial gases in the glass industry market size, by Function
- 11.5.2.3.1 Forming & melting segment dominated the Brazilian market for industrial gases in the glass industry in 2014
  - 11.5.2.4 Brazil: Industrial gases in the glass industry market size, by Function
- 11.5.2.4.1 Cylinder & Packaged Gas Distribution to grow at the second-highest rate by 2020
  - 11.5.3 ARGENTINA
    - 11.5.3.1 Argentina: Industrial gases in the glass industry market size, by Type
- 11.5.3.1.1 Oxygen segment projected to grow at the highest rate in Argentina, by 2020
  - 11.5.3.2 Argentina: Industrial gases in the glass industry market size, by Glass type



- 11.5.3.2.1 Flat glass segment is projected to grow at the highest CAGR by 2020
- 11.5.3.3 Argentina: Industrial gases in the glass industry market size, by Function
- 11.5.3.3.1 Atmospheric control segment projected to grow at the second-highest rate by 2020
- 11.5.3.4 Argentina: Industrial gases in the glass industry market size, by Transportation Mode
- 11.5.3.4.1 Cylinder & packaged gas distribution showing potential for growth in Argentina
  - 11.5.4 SOUTH AFRICA
    - 11.5.4.1 South Africa: Industrial gases in the glass industry market size, by Type
      - 11.5.4.1.1 Hydrogen segment dominated the market in South Africa
- 11.5.4.2 South Africa: Industrial gases in the glass industry market size, by Glass type
  - 11.5.4.2.1 Container glass dominated the market in 2014
  - 11.5.4.3 South Africa: Industrial gases in the glass industry market size, by Function
- 11.5.4.3.1 Atmospheric control segment is expected to have potential growth opportunities by 2020
- 11.5.4.4 South Africa: Industrial gases in the glass industry market size, by transportation mode
- 11.5.4.4.1 Merchant liquid distribution segment projected to grow at the highest rate by 2020
  - 11.5.5 OTHER COUNTRIES IN ROW
- 11.5.5.1 Other countries in RoW: Industrial gases in the glass industry market size, by Type
  - 11.5.5.1.1 Oxygen segment projected to grow at the highest rate by 2020
- 11.5.5.2 Other Countries in RoW: Industrial gases in the glass industry market size, by Glass type
  - 11.5.5.2.1 Container glass segment accounted for the largest market share in 2014
- 11.5.5.3 Other Countries in RoW: Industrial gases in the glass industry market size, by Function
- 11.5.5.3.1 Atmospheric control segment is projected to grow at the second-highest CAGR by 2020
- 11.5.5.4 Other Countries in RoW: Industrial gases in the glass industry market size, by Transportation Mode
- 11.5.5.4.1 Cylinder & packaged gas distribution segment is projected to grow at the second-highest CAGR by 2020

### 12 COMPETITIVE LANDSCAPE



- 12.1 OVERVIEW
- 12.2 COMPETITIVE SITUATIONS & TRENDS
- 12.3 KEY GROWTH STRATEGIES, 2011-2015
  - 12.3.1 MERGERS & ACQUISITIONS
  - 12.3.2 INVESTMENTS & EXPANSIONS
  - 12.3.3 PARTNERSHIPS, AGREEMENTS & JOINT VENTURES
  - 12.3.4 NEW PRODUCT DEVELOPMENTS

### 13 COMPANY PROFILES

### 13.1 INTRODUCTION

(Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View)\*

- 13.2 AIR PRODUCTS & CHEMICALS, INC.
- 13.3 THE LINDE GROUP
- 13.4 PRAXAIR, INC.
- 13.5 AIR LIQUIDE SA
- 13.6 TAIYO NIPPON SANSO CORPORATION
- 13.7 MESSER GROUP GMBH
- 13.8 GULF CRYO
- 13.9 HYGEAR
- 13.10 SIG GASES BERHAD
- 13.11 AIR WATER, INC.
- \*Details on Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

### 14 APPENDIX

- 14.1 INSIGHTS OF INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE
- 14.3 COMPANY DEVELOPMENTS
  - 14.3.1 MERGERS & ACQUISITIONS
  - 14.3.2 INVESTMENTS & EXPANSIONS
- 14.3.3 PARTNERSHIPS. AGREEMENTS & JOINT VENTURES
- 14.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE



# 14.5 AVAILABLE CUSTOMIZATIONS14.6 RELATED REPORTS



### **List Of Tables**

### LIST OF TABLES

Table 1 GLASS PACKAGING PRODUCTION DATA, BY COUNTRY

Table 2 ENVIRONMENTAL IMPACTS BY THE GLASS MANUFACTURING PROCESS Table 3 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS

TYPE, 2013-2020 (USD MILLION)

Table 4 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE. 2013–2020 (KT)

Table 5 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 6 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 7 OXYGEN IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 8 OXYGEN IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 9 NITROGEN IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 10 NITROGEN IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013-2020 (KT)

Table 11 HYDROGEN IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 12 HYDROGEN IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013–2020 (KT)

Table 13 ACETYLENE IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 14 ACETYLENE IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013–2020 (KT)

Table 15 ARGON IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 16 ARGON IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 17 OTHER GASES IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 18 OTHER GASES IN THE GLASS INDUSTRY MARKET SIZE, BY

TRANSPORTATION MODE, 2013-2020 (KT)

Table 19 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY



TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 20 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 21 REGULATIONS ON TRANSPORTATION AND STORAGE OF GAS CYLINDERS

Table 22 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION 2013–2020 (USD MILLION)

Table 23 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 24 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 25 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY REGION, 2013–2020 (KT)

Table 26 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 27 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (KT)

Table 28 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 29 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 30 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 31 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 32 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 33 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 34 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 35 ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 36 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 37 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 38 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)



Table 39 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 40 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 41 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 42 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 43 CHINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 44 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 45 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 46 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 47 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 48 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 49 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 50 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 51 JAPAN: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 52 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 53 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 54 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 55 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 56 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 57 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION,  $2013-2020 \ (KT)$ 

Table 58 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY



TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 59 INDIA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 60 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 61 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 62 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 63 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 64 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 65 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 66 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 67 SOUTH KOREA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 68 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 69 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 70 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 71 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 72 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 73 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 74 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 75 REST OF ASIA-PACIFIC: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 76 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 77 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE BY COUNTRY, 2013–2020 (KT)



Table 78 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 79 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 80 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 81 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 82 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 83 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 84 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 85 EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 86 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 87 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 88 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 89 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 90 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 91 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 92 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 93 GERMANY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 94 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 95 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY MATERIAL, 2013–2020 (KT)

Table 96 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 97 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY



GLASS TYPE, 2013-2020 (KT)

Table 98 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 99 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 100 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 101 U.K.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 102 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 103 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 104 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 105 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 106 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 107 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 108 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 109 ITALY: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 110 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 111 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 112 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 113 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 114 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 115 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 116 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)



Table 117 FRANCE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 118 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 119 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 120 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 121 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 122 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 123 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 124 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 125 REST OF EUROPE: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 126 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 127 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (KT)

Table 128 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 129 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 130 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 131 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 132 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 133 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 134 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 135 NORTH AMERICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 136 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY



TYPE, 2013-2020 (USD MILLION)

Table 137 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 138 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 139 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 140 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 141 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 142 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 143 U.S.: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 144 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 145 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 146 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 147 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 148 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 149 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 150 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 151 CANADA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 152 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 153 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 154 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 155 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)



Table 156 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 157 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 158 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 159 MEXICO: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 160 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 161 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY COUNTRY, 2013–2020 (KT)

Table 162 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 163 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 164 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 165 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 166 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 167 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 168 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 169 ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 170 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 171 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 172 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 173 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 174 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 175 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE,



BY FUNCTION, 2013-2020 (KT)

Table 176 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 177 BRAZIL: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 178 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 179 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 180 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 181 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 182 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 183 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 184 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 185 ARGENTINA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 186 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 187 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 188 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 189 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 190 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 191 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 192 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 193 SOUTH AFRICA: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT)

Table 194 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)



Table 195 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TYPE, 2013–2020 (KT)

Table 196 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (USD MILLION)

Table 197 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY GLASS TYPE, 2013–2020 (KT)

Table 198 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (USD MILLION)

Table 199 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY FUNCTION, 2013–2020 (KT)

Table 200 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (USD MILLION)

Table 201 OTHER COUNTRIES IN ROW: INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET SIZE, BY TRANSPORTATION MODE, 2013–2020 (KT) Table 202 MERGERS & ACQUISITIONS, 2015

Table 203 INVESTMENTS & EXPANSIONS, 2014-2015

Table 204 PARTNERSHIPS, AGREEMENTS & JOINT VENTURES, 2013–2015 Table 205 NEW PRODUCT DEVELOPMENTS, 2013–2014



# **List Of Figures**

### LIST OF FIGURES

Figure 1 INDUSTRIAL GAS IN THE GLASS INDUSTRY MARKET SEGMENTATION

Figure 2 INDUSTRIAL GASES IN THE GLASS INDUSTRY: RESEARCH DESIGN

Figure 3 POPULATION GROWTH HAS INCREASED IN THE LAST THREE DECADES

Figure 4 INCREASE IN THE TOTAL EXPENDITURE OF MIDDLE-CLASS FAMILIES

Figure 5 GROWTH IN MANUFACTURING & SERVICE SECTORS

Figure 6 CRUDE OIL SPOT PRICES, 2004-2014

Figure 7 NATURAL GAS PRICES, 2004-2014

Figure 8 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 9 DATA TRIANGULATION METHODOLOGY

Figure 10 GLASS TYPE, 2015 VS. 2020 (USD MILLION)

Figure 11 ASIA-PACIFIC IS PROJECTED TO DOMINATE THE MARKET FOR

INDUSTRIAL GASES IN THE GLASS INDUSTRY BY 2020

Figure 12 CHINA IS PROJECTED TO BE THE FASTEST-GROWING MARKET FOR

INDUSTRIAL GASES IN THE GLASS INDUSTRY FROM 2015 TO 2020

Figure 13 LEADING MARKET PLAYERS ADOPTED MERGERS & ACQUISITIONS AS

THE KEY STRATEGIES, 2011–2015

Figure 14 EMERGING ECONOMIES OFFER ATTRACTIVE OPPORTUNITIES IN THE INDUSTRIAL GASES IN THE GLASS INDUSTRY

Figure 15 HYDROGEN HELD THE LARGEST SHARE IN 2014, IN TERMS OF VALUE

Figure 16 CYLINDER & PACKAGED GAS DISTRIBUTION SEGMENT CAPTURED

THE LARGEST SHARE IN THE EMERGING ASIA-PACIFIC MARKET IN 2014

Figure 17 CHINA PROJECTED TO BE THE FASTEST-GROWING COUNTRY FOR

INDUSTRIAL GASES IN THE GLASS INDUSTRY, 2015-2020

Figure 18 ASIA-PACIFIC OCCUPIED THE LARGEST MARKET SHARE AMONG ALL

**REGIONS IN 2014** 

Figure 19 EMERGING MARKETS TO GROW FASTER THAN DEVELOPED MARKETS

(2015-2020)

Figure 20 FORMING & MELTING ACCOUNTED FOR THE LARGEST SHARE IN 2014

Figure 21 THE MARKET FOR INDUSTRIAL GASES IN THE GLASS INDUSTRY IN

ASIA-PACIFIC REGION IS EXPERIENCING HIGH GROWTH

Figure 22 EVOLUTION OF INDUSTRIAL GASES IN THE GLASS MANUFACTURING

**INDUSTRY** 

Figure 23 INCREASING DEMAND FROM END-USE INDUSTRIES IS THE MAIN

DRIVER FOR THE GROWTH OF INDUSTRIAL GAS MARKET

Figure 24 GLOBAL VEHICLE PRODUCTION FROM 2009 TO 2014



Figure 25 INDUSTRIAL GASES IN THE GLASS INDUSTRY VALUE CHAIN Figure 26 PORTER'S FIVE FORCES ANALYSIS

Figure 27 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, AVERAGE PRICE ANALYSIS, BY REGION

Figure 28 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, AVERAGE PRICE ANALYSIS, BY TYPE

Figure 29 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, AVERAGE PRICE ANALYSIS, BY FUNCTION

Figure 30 INDUSTRIAL GASES IN THE GLASS INDUSTRY MARKET, AVERAGE PRICE ANALYSIS, BY GLASS TYPE

Figure 31 CONTAINER GLASS HELD THE LARGEST SHARE AMONG ALL GLASS TYPES IN 2014

Figure 32 HYDROGEN DOMINATED THE MARKET FOR INDUSTRIAL GASES IN THE GLASS INDUSTRY, IN 2014

Figure 33 CYLINDER & PACKAGED GAS DISTRIBUTION PROJECTED TO ACCOUNT FOR THE LARGEST SHARE BY 2020

Figure 34 FORMING & MELTING HELD THE LARGEST SHARE AMONG ALL FUNCTIONS IN 2014

Figure 35 GEOGRAPHICAL SNAPSHOT: INDUSTRIAL GASES IN THE GLASS INDUSTRY GROWTH RATE (2015-2020)

Figure 36 CHINA POISED TO GROW AT THE HIGHEST CAGR BY 2020

Figure 37 ASIA-PACIFIC: THE MARKET FOR POTENTIAL GROWTH FOR INDUSTRIAL GASES IN THE GLASS INDUSTRY

Figure 38 GERMANY: FASTEST-GROWING MARKET IN EUROPE

Figure 39 MEXICO: FASTEST-GROWING MARKET IN NORTH AMERICA BETWEEN 2015 AND 2020

Figure 40 BRAZIL: FASTEST-GROWING MARKET IN ROW

Figure 41 COMPANIES ADOPTED MERGERS & ACQUISITIONS AS THEIR KEY GROWTH STRATEGY OVER THE LAST FIVE YEARS

Figure 42 REVENUE OF THE LINDE GROUP GREW AT THE HIGHEST RATE BETWEEN 2011 & 2014

Figure 43 MERGERS & ACQUISITIONS FUELED THE GROWTH OF THE INDUSTRIAL GASES IN THE GLASS INDUSTRY

Figure 44 GEOGRAPHIC REVENUE MIX OF TOP 5 PLAYERS

Figure 45 AIR PRODUCTS & CHEMICALS, INC.: COMPANY SNAPSHOT

Figure 46 AIR PRODUCTS AND CHEMICALS: SWOT ANALYSIS

Figure 47 THE LINDE GROUP: COMPANY SNAPSHOT

Figure 48 THE LINDE GROUP: SWOT ANALYSIS

Figure 49 PRAXAIR, INC.: COMPANY SNAPSHOT



Figure 50 PRAXAIR INC.: SWOT ANALYSIS

Figure 51 AIR LIQUIDE SA: COMPANY SNAPSHOT

Figure 52 AIR LIQUIDE S.A.: SWOT ANALYSIS

Figure 53 TAIYO NIPPON SANSO CORPORATION: COMPANY SNAPSHOT

Figure 54 TAIYO NIPPON SANSO CORPORATION: SWOT ANALYSIS

Figure 55 MESSER GROUP GMBH: COMPANY SNAPSHOT

Figure 56 SIG GASES BERHAD: COMPANY SNAPSHOT

Figure 57 AIR WATER, INC.: COMPANY SNAPSHOT



### I would like to order

Product name: Industrial Gases-Glass Industry Market by Type (Oxygen, Hydrogen, Nitrogen, Others),

Glass Type (Container, Flat, Fibre), Transportation Mode (Cylinders, Merchant Liquid, Tonnage Distribution), Function (Forming, Finishing, Atmospheric Control - Forecast to

2020

Product link: https://marketpublishers.com/r/I595C1C5E4EEN.html

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

## **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/l595C1C5E4EEN.html">https://marketpublishers.com/r/l595C1C5E4EEN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>



To place an order via fax simply print this form, fill in the information below and fax the completed form to  $+44\ 20\ 7900\ 3970$