

Indium Tin Oxide (ITO) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global indium tin oxide (ITO) market size reached US\$ 1.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.0 Billion by 2028, exhibiting a growth rate (CAGR) of 1.9% during 2023-2028.

ITO is a transparent semiconductor that is composed of indium, tin and oxygen. It is fabricated through the electron beam evaporation or sputter deposition techniques and is utilized in the form of a thin protective coating over mechanical equipment. Owing to its physical properties, such as colorfastness, electromagnetic induction shielding, ultraviolet resistance and high transparency, ITO finds application in the manufacturing of touch panels, sensors, flat panels, electroluminescent and liquid-crystal displays (ELD/LCD), photovoltaic cells and heat reflective coatings. It is also used for minimizing radio frequency interference on touchscreens and shield glass windows and doors.

The growing electronics industry, along with the increasing utilization of smart devices across the globe, is among the key factors driving the growth of the market. ITO is extensively used in the production of screens and touch panels in televisions, tablets, smartphones, cameras and computer monitors. The increasing preference for smart automobiles equipped with advanced driver assistance systems (ADAS) is also providing a boost to the market growth. Furthermore, the growing adoption of ITO in the manufacturing of thin-film photovoltaic (PV) cells is acting as another growth-inducing factor. In comparison to the traditionally used solar energy systems, they are more cost-effective and have a higher light absorption rate and can be applied to uneven surfaces as well. Other factors favoring the market growth include the utilization of ITO in sodium

vapor lamps for street and industrial lighting. These lamps reflect infrared/heat waves to the bulb, thus keeping them warmer and improving their efficiency in cold climatic conditions.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global indium tin oxide (ITO) market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on technology and application.

Breakup by Technology:

- Sputtering
- Vacuum Evaporation
- Chemical Vapour Deposition
- Spray Pyrolysis
- Others

Breakup by Application:

- Electrochromic Displays and LCDs
- Touch Panels
- Photovoltaics
- Transparent Electrodes
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia Pacific
 - China
 - Japan
 - India
 - South Korea
- Australia
- Indonesia
- Others

Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the top indium tin oxide manufacturers being 3M Company, American Elements, Densitron Technologies, EFUN Technology, Umicore, Indium Corporation, Keeling & Walker Ltd, Kurt J. Lesker Company, Mitsui Mining & Smelting Co., Ltd., Nitto Denko Corporation, Samsung Corning Precision Material, Sollensys, Tosoh Corporation, Touch International Inc., etc.

Key Questions Answered in This Report

1. What was the size of the global indium tin oxide (ITO) market in 2022?
2. What is the expected growth rate of the global indium tin oxide (ITO) market during 2023-2028?
3. What are the key factors driving the global indium tin oxide (ITO) market?
4. What has been the impact of COVID-19 on the global indium tin oxide (ITO) market?
5. What is the breakup of the global indium tin oxide (ITO) market based on the technology?
6. What are the key regions in the global indium tin oxide (ITO) market?
7. Who are the key players/companies in the global indium tin oxide (ITO) market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview

4.2 Key Industry Trends

5 GLOBAL INDIUM TIN OXIDE (ITO) MARKET

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

6 MARKET BREAKUP BY TECHNOLOGY

6.1 Sputtering

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Vacuum Evaporation

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Chemical Vapour Deposition

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Spray Pyrolysis
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Electrochromic Displays and LCDs
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Touch Panels
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Photovoltaics
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Transparent Electrodes
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 COMPETITIVE LANDSCAPE

12.1 Market Structure

12.2 Key Players

12.3 Profiles of Key Players

12.3.1 3M Company

12.3.1.1 Company Overview

12.3.1.2 Product Portfolio

12.3.1.3 Financials

12.3.1.4 SWOT Analysis

12.3.2 American Elements

12.3.2.1 Company Overview

12.3.2.2 Product Portfolio

12.3.3 Densitron Technologies

12.3.3.1 Company Overview

12.3.3.2 Product Portfolio

12.3.4 EFUN Technology

12.3.4.1 Company Overview

12.3.4.2 Product Portfolio

12.3.4.3 Financials

12.3.5 Umicore

12.3.5.1 Company Overview

12.3.5.2 Product Portfolio

12.3.5.3 Financials

12.3.5.4 SWOT Analysis

12.3.6 Indium Corporation

12.3.6.1 Company Overview

12.3.6.2 Product Portfolio

12.3.7 Keeling & Walker Ltd

12.3.7.1 Company Overview

12.3.7.2 Product Portfolio

12.3.7.3 Financials

12.3.8 Kurt J. Lesker Company

12.3.8.1 Company Overview

12.3.8.2 Product Portfolio

12.3.9 Mitsui Mining & Smelting Co., Ltd.

12.3.9.1 Company Overview

12.3.9.2 Product Portfolio

12.3.10 Nitto Denko Corporation

12.3.10.1 Company Overview

12.3.10.2 Product Portfolio

12.3.10.3 Financials

- 12.3.10.4 SWOT Analysis
- 12.3.11 Samsung Corning Precision Material
 - 12.3.11.1 Company Overview
 - 12.3.11.2 Product Portfolio
- 12.3.12 Sollensys
 - 12.3.12.1 Company Overview
 - 12.3.12.2 Product Portfolio
- 12.3.13 Tosoh Corporation
 - 12.3.13.1 Company Overview
 - 12.3.13.2 Product Portfolio
 - 12.3.13.3 Financials
 - 12.3.13.4 SWOT Analysis
- 12.3.14 Touch International Inc.
 - 12.3.14.1 Company Overview
 - 12.3.14.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Indium Tin Oxide Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Indium Tin Oxide Market Forecast: Breakup by Technology (in Million US\$), 2023-2028

Table 3: Global: Indium Tin Oxide Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Indium Tin Oxide Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Indium Tin Oxide Market: Competitive Structure

Table 6: Global: Indium Tin Oxide Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Indium Tin Oxide Market: Major Drivers and Challenges

Figure 2: Global: Indium Tin Oxide Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Indium Tin Oxide Market: Breakup by Technology (in %), 2022

Figure 4: Global: Indium Tin Oxide Market: Breakup by Application (in %), 2022

Figure 5: Global: Indium Tin Oxide Market: Breakup by Region (in %), 2022

Figure 6: Global: Indium Tin Oxide Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 7: Global: Indium Tin Oxide (Sputtering) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Indium Tin Oxide (Sputtering) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Indium Tin Oxide (Vacuum Evaporation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Indium Tin Oxide (Vacuum Evaporation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Indium Tin Oxide (Chemical Vapour Deposition) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Indium Tin Oxide (Chemical Vapour Deposition) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Indium Tin Oxide (Spray Pyrolysis) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Indium Tin Oxide (Spray Pyrolysis) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Indium Tin Oxide (Other Technologies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Indium Tin Oxide (Other Technologies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Indium Tin Oxide (Electrochromic Displays and LCDs) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Indium Tin Oxide (Electrochromic Displays and LCDs) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Indium Tin Oxide (Touch Panels) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Indium Tin Oxide (Touch Panels) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Indium Tin Oxide (Photovoltaics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Indium Tin Oxide (Photovoltaics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Indium Tin Oxide (Transparent Electrodes) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Indium Tin Oxide (Transparent Electrodes) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Indium Tin Oxide (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Indium Tin Oxide (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: North America: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: North America: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: United States: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: United States: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Canada: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Canada: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Asia Pacific: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Asia Pacific: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: China: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: China: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Japan: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Japan: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: India: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: India: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: South Korea: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: South Korea: Indium Tin Oxide Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 43: Australia: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Australia: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Indonesia: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Indonesia: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Others: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Others: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Europe: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Europe: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Germany: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Germany: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: France: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: France: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: United Kingdom: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: United Kingdom: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Italy: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Italy: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Spain: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Spain: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Russia: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Russia: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Others: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Others: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Latin America: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017

& 2022

Figure 66: Latin America: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Brazil: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Brazil: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Mexico: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Mexico: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Others: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Others: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Middle East and Africa: Indium Tin Oxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Middle East and Africa: Indium Tin Oxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Global: Indium Tin Oxide Industry: SWOT Analysis

Figure 76: Global: Indium Tin Oxide Industry: Value Chain Analysis

Figure 77: Global: Indium Tin Oxide Industry: Porter's Five Forces Analysis

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