

# Global Ion Beam Technology Market Size, Status and Forecast 2022

https://marketpublishers.com/r/GA9192B365FEN.html

Date: December 2017 Pages: 116 Price: US\$ 2,900.00 (Single User License) ID: GA9192B365FEN

# Abstracts

This report studies the Ion Beam Technology market status and outlook of global and major regions, from angles of manufacturers, regions, product types and end industries; this report analyzes the top manufacturers in global and major regions, and splits the Ion Beam Technology market by product type and applications/end industries.

Global ion beam technology market is about 369.48 million USD in 2016, increased from 274.20 Million USD in 2012, with a CAGR of 7.74%. In the future, we predict that this market revenue will continue to increase. By 2023, global revenue will be 561.18 Million USD with an average increase rate of 6.56% from 2018.

The major players in global Ion Beam Technology market include

Carl Zeiss

Canon Anelva

FEI

Hitachi High-Technologies

Meyer Burger

Plasma-Therm

Raith GmbH



Scia Systems GmbH

4Wave Incorporated

Veeco Instruments

Geographically, this report is segmented into several key Regions, with revenue, market share and growth rate of Ion Beam Technology in these regions, from 2012 to 2023 (forecast), covering

Asia Pacific

Europe

North America

Latin America

Middle East and Africa

On the basis of product, the Ion Beam Technology market is primarily split into

Ion Beam Deposition System

Ion Beam Etching System

On the basis on the end users/applications, this report covers

Frequency Trimming of Bulk Acoustic Wave (BAW) Filter

Surface Trimming of Surface Acoustic Wave (SAW) Filter

Thickness and Pole Width Correction of Thin Film Recording Head

Coating of Dielectric Film



# Contents

#### 1 ION BEAM TECHNOLOGY MARKET OVERVIEW

1.1 Product Overview and Scope of Ion Beam Technology

1.2 Ion Beam Technology Segment by Types (Product Category)

1.2.1 Global Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Comparison by Types (2012-2023)

1.2.2 Global Ion Beam Technology Revenue Market Share (%) by Types in 2016

- 1.2.3 Ion Beam Deposition System
- 1.2.4 Ion Beam Etching System
- 1.3 Global Ion Beam Technology Segment by Applications

1.3.1 Global Ion Beam Technology Sales Revenue (Million USD) Comparison by Applications (2012-2023)

1.3.2 Frequency Trimming of Bulk Acoustic Wave (BAW) Filter

1.3.3 Surface Trimming of Surface Acoustic Wave (SAW) Filter

- 1.3.4 Thickness and Pole Width Correction of Thin Film Recording Head
- 1.3.5 Coating of Dielectric Film
- 1.4 Global Ion Beam Technology Market by Regions (2012-2023)

1.4.1 Global Ion Beam Technology Market Size and Growth Rate (%) Comparison by Regions (2012-2023)

- 1.4.2 North America Ion Beam Technology Status and Prospect (2012-2023)
- 1.4.3 Asia Pacific Ion Beam Technology Status and Prospect (2012-2023)
- 1.4.4 Europe Ion Beam Technology Status and Prospect (2012-2023)
- 1.4.5 Latin America Ion Beam Technology Status and Prospect (2012-2023)

1.4.6 Middle East and Africa Ion Beam Technology Status and Prospect (2012-2023)

1.5 Global Ion Beam Technology Market Size (2012-2023)

# 2 GLOBAL ION BEAM TECHNOLOGY MARKET COMPETITION BY MANUFACTURERS

2.1 Global Ion Beam Technology Revenue and Share by Manufacturers (2012-2017)2.2 Manufacturers Ion Beam Technology Manufacturing Base Distribution and Sales

Area

2.3 Ion Beam Technology Market Competitive Situation and Trends

- 2.3.1 Ion Beam Technology Market Concentration Rate
- 2.3.2 Ion Beam Technology Market Share (%) of Top 3 and Top 5 Manufacturers
- 2.3.3 Mergers & Acquisitions, Expansion



### 3 GLOBAL ION BEAM TECHNOLOGY REVENUE BY REGIONS (2012-2017)

3.1 Global Ion Beam Technology Revenue and Market Share (%) by Regions (2012-2017)

3.2 Global Ion Beam Technology Revenue and Gross Margin (2012-2017)

3.3 North America Ion Beam Technology Revenue (2012-2017)

3.3.1 North America Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017)

3.3.2 North America Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

3.4 Europe Ion Beam Technology Revenue (2012-2017)

3.4.1 Europe Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017)

3.4.2 Europe Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

3.5 Asia Pacific Ion Beam Technology Revenue (2012-2017)

3.5.1 Asia Pacific Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017)

3.5.2 Asia Pacific Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

3.6 Latin America Ion Beam Technology Revenue (2012-2017)

3.6.1 Latin America Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017)

3.6.2 Latin America Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

3.7 Middle East and Africa Ion Beam Technology Revenue (2012-2017)

3.7.1 Middle East and Africa Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017)

3.7.2 Middle East and Africa Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

# 4 GLOBAL ION BEAM TECHNOLOGY REVENUE (VALUE) BY TYPES

4.1 Global Ion Beam Technology Revenue and Market Share (%) by Types (2012-2017)4.2 Global Ion Beam Technology Revenue Growth by Type (2012-2017)

# **5 GLOBAL ION BEAM TECHNOLOGY MARKET ANALYSIS BY APPLICATIONS**

5.1 Global Ion Beam Technology Revenue and Market Share (%) by Applications



(2012-2017)

5.2 Global Ion Beam Technology Revenue Growth Rate by Applications (2012-2017)

#### 6 GLOBAL ION BEAM TECHNOLOGY MANUFACTURERS PROFILES/ANALYSIS

6.1 Carl Zeiss

6.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.1.2 Ion Beam Technology Product Category, Application and Specification

6.1.3 Carl Zeiss Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.1.4 Main Business/Business Overview

6.2 Canon Anelva

6.2.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.2.2 Ion Beam Technology Product Category, Application and Specification

6.2.3 Canon Anelva Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.2.4 Main Business/Business Overview

6.3 FEI

6.3.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.3.2 Ion Beam Technology Product Category, Application and Specification

6.3.3 FEI Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.3.4 Main Business/Business Overview

6.4 Hitachi High-Technologies

6.4.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.4.2 Ion Beam Technology Product Category, Application and Specification

6.4.3 Hitachi High-Technologies Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.4.4 Main Business/Business Overview

6.5 Meyer Burger

6.5.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.5.2 Ion Beam Technology Product Category, Application and Specification

6.5.3 Meyer Burger Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)



6.5.4 Main Business/Business Overview

6.6 Plasma-Therm

6.6.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.6.2 Ion Beam Technology Product Category, Application and Specification

6.6.3 Plasma-Therm Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.6.4 Main Business/Business Overview

6.7 Raith GmbH

6.7.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.7.2 Ion Beam Technology Product Category, Application and Specification

6.7.3 Raith GmbH Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.7.4 Main Business/Business Overview

6.8 Scia Systems GmbH

6.8.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.8.2 Ion Beam Technology Product Category, Application and Specification

6.8.3 Scia Systems GmbH Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.8.4 Main Business/Business Overview

6.9 4Wave Incorporated

6.9.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.9.2 Ion Beam Technology Product Category, Application and Specification

6.9.3 4Wave Incorporated Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.9.4 Main Business/Business Overview

6.10 Veeco Instruments

6.10.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

6.10.2 Ion Beam Technology Product Category, Application and Specification

6.10.3 Veeco Instruments Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

6.10.4 Main Business/Business Overview

# 7 ION BEAM TECHNOLOGY MANUFACTURING COST ANALYSIS



- 7.1 Ion Beam Technology Key Raw Materials Analysis
  - 7.1.1 Key Raw Materials
  - 7.1.2 Price Trend of Key Raw Materials
- 7.1.3 Key Suppliers of Hardware and Platform
- 7.2 Proportion of Manufacturing Cost Structure
  - 7.2.1 Raw Materials
  - 7.2.2 Labor Cost
  - 7.2.3 Manufacturing Expenses

#### **8 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS**

- 8.1 Ion Beam Technology Industrial Chain Analysis
- 8.2 Upstream Raw Materials Sourcing
- 8.3 Downstream Buyers

# 9 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 9.1 Marketing Channel
  - 9.1.1 Direct Marketing
  - 9.1.2 Indirect Marketing
- 9.1.3 Marketing Channel Development Trend
- 9.2 Market Positioning
  - 9.2.1 Pricing Strategy
  - 9.2.2 Brand Strategy
  - 9.2.3 Target Client

# **10 MARKET EFFECT FACTORS ANALYSIS**

- 10.1 Technology Progress/Risk
- 10.2 Consumer Needs/Customer Preference Change
- 10.3 Economic/Political Environmental Change

# 11 GLOBAL ION BEAM TECHNOLOGY MARKET FORECAST (2018-2023)

11.1 Global Ion Beam Technology Revenue Forecast (2018-2023)

11.2 Global Ion Beam Technology Revenue (Million USD) Forecast by Regions (2018-2023)

11.2.1 North America Ion Beam Technology Revenue (Million USD) Forecast (2018-2023)



11.2.2 Europe Ion Beam Technology Revenue (Million USD) Forecast (2018-2023)

11.2.3 Asia Pacific Ion Beam Technology Revenue (Million USD) Forecast (2018-2023)

11.2.4 Latin America Ion Beam Technology Revenue (Million USD) Forecast (2018-2023)

11.2.5 Middle East and Africa Ion Beam Technology Revenue (Million USD) Forecast (2018-2023)

11.3 Global Ion Beam Technology Revenue Forecast by Type (2018-2023)

11.4 Global Ion Beam Technology Revenue (Million USD) Forecast by Application (2018-2023)

#### **12 RESEARCH FINDINGS AND CONCLUSION**

#### **13 METHODOLOGY AND DATA SOURCE**

- 13.1 Methodology/Research Approach
  - 13.1.1 Research Programs/Design
  - 13.1.2 Market Size Estimation
  - 13.1.3 Market Breakdown and Data Triangulation
- 13.2 Data Source
  - 13.2.1 Secondary Sources
- 13.2.2 Primary Sources
- 13.3 Disclaimer
- 13.4 Author List

The report requires updating with new data and is sent in 2-3 business days after order is placed.



# **List Of Tables**

#### LIST OF TABLES AND FIGURES

Table Global Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Comparison by Types (2017-2023) Figure Global Ion Beam Technology Revenue Market Share (%) by Types in 2016 Figure Product Picture of Ion Beam Deposition System Figure Ion Beam Etching System Diagram Table Global Ion Beam Technology Sales Revenue (Million USD) Comparison by Applications (2012-2023) Figure Global Ion Beam Technology Sales Revenue (Million USD) Market Share (%) by Applications in 2016 Figure BAW Principle (SMR) Figure BAW Principle (FBAR) Figure Basic SAW Filter Design Figure TC SAW Filter Layer Stack Figure Write Pole Cross Section Figure Coating of Dielectric Film Examples Table Ion Beam Technology Market Size (Million USD) Comparison by Regions (2012 - 2023)Figure North America Ion Beam Technology Revenue (Million USD) and Growth Rate (2012 - 2023)Figure Asia Pacific Ion Beam Technology Revenue (Million USD) and Growth Rate (2012 - 2023)Figure Europe Ion Beam Technology Revenue (Million USD) and Growth Rate (2012 - 2023)Figure Latin America Ion Beam Technology Revenue (Million USD) and Growth Rate (2012 - 2023)Figure Middle East and Africa Ion Beam Technology Revenue (Million USD) and Growth Rate (2012-2023) Figure Global Ion Beam Technology Revenue (Million USD) Status and Outlook (2012 - 2023)Table Global Ion Beam Technology Revenue (Million USD) of Key Manufacturers (2012 - 2017)Table Global Ion Beam Technology Revenue Share (%) by Manufacturers (2012-2017) Figure 2016 Ion Beam Technology Revenue Share (%) by Manufacturers Figure 2017 Ion Beam Technology Revenue Share (%) by Manufacturers Table Manufacturers Ion Beam Technology Manufacturing Base Distribution and Sales



#### Area

Figure Ion Beam Technology Total Market Share (%) of Top 3 Manufacturers 2012-2017 Figure Ion Beam Technology Market Share (%) of Top 3 Manufacturers 2016 Figure Ion Beam Technology Market Share (%) of Top 5 Manufacturers 2016 Table Global Ion Beam Technology Revenue (Million USD) by Regions (2012-2017) Table Global Ion Beam Technology Revenue Market Share (%) by Regions (2012 - 2017)Figure Global Ion Beam Technology Revenue Market Share (%) by Regions (2012 - 2017)Figure 2016 Global Ion Beam Technology Revenue Market Share (%) by Regions Figure Global Ion Beam Technology Revenue (Million USD) and Growth Rate (2012 - 2017)Table Global Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012 - 2017)Figure North America Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017) Table North America Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017) Figure Europe Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012 - 2017)Table Europe Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012 - 2017)Figure Asia Pacific Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012 - 2017)Table Asia Pacific Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012 - 2017)Figure Latin America Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017) Table Latin America Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017) Figure Middle East and Africa Ion Beam Technology Revenue (Million USD) and Growth Rate (%) (2012-2017) Table Middle East and Africa Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017) Table Global Ion Beam Technology Revenue (Million USD) by Types (2012-2017) Table Global Ion Beam Technology Revenue Share by Types (2012-2017) Figure Revenue Share of Ion Beam Technology by Types (2012-2017) Figure 2016 Revenue Market Share (%) of Ion Beam Technology by Types



Figure Global Ion Beam Etching System Revenue Growth (%) (2012-2017) Figure Global Ion Beam Deposition System Revenue Growth (%) (2012-2017) Table Global Ion Beam Technology Revenue (Million USD) by Applications (2012-2017) Table Global Ion Beam Technology Revenue Market Share (%) by Applications (2012-2017)

Figure Global Ion Beam Technology Revenue Market Share (%) by Applications (2012-2017)

Figure Global Ion Beam Technology Revenue Market Share (%) by Applications in 2016 Table Global Ion Beam Technology Revenue Growth Rate by Applications (2012-2017) Figure Global Ion Beam Technology Revenue Growth Rate by Frequency Trimming of Bulk Acoustic Wave (BAW) Filter Application (2012-2017)

Figure Global Ion Beam Technology Revenue Growth Rate by Frequency Trimming of Surface Trimming of Surface Acoustic Wave (SAW) Filter Application (2012-2017) Figure Global Ion Beam Technology Revenue Growth Rate by Frequency Trimming of Surface Trimming of Thickness and Pole Width Correction of Thin Film Recording Head Application (2012-2017)

Figure Global Ion Beam Technology Revenue Growth Rate by Frequency Trimming of Surface Trimming of Thickness and Pole Width Correction of Coating of Dielectric Film Application (2012-2017)

Table Carl Zeiss Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Picture of Focused Ion Beam Scanning Electron Microscopes

Figure Picture of Multiple Ion Beam Microscopes

Table Carl Zeiss Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Carl Zeiss Ion Beam Technology Revenue Market Share (%) (2012-2017)

Table Canon Anelva Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure MRAM Etching Equipment NC8000 Picture

Table Canon Anelva Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Canon Anelva Ion Beam Technology Revenue Market Share (%) (2012-2017) Table FEI Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Vion Plasma Focused Ion Beam Picture

Figure V400ACE Focused Ion Beam Picture

Figure OptiFIB Focused Ion Beam Picture

Table FEI Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure FEI Ion Beam Technology Revenue Market Share (%) (2012-2017)



Table Hitachi High-Technologies Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure MI4050 Picture

Table Hitachi High-Technologies Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Hitachi High-Technologies Ion Beam Technology Revenue Market Share (%) (2012-2017)

Table Meyer Burger Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Meyer Burger Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Meyer Burger Ion Beam Technology Revenue Market Share (%) (2012-2017) Table Plasma-Therm Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Pinnacle Cluster System with Cassette Load and Central Transfer Modules Table Plasma-Therm Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Plasma-Therm Ion Beam Technology Revenue Market Share (%) (2012-2017) Table Raith GmbH Basic Information, Manufacturing Base, Sales Area and Its

Competitors

Table Raith GmbH Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Raith GmbH Ion Beam Technology Revenue Market Share (%) (2012-2017) Table Scia Systems GmbH Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Scia Systems GmbH Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Scia Systems GmbH Ion Beam Technology Revenue Market Share (%) (2012-2017)

Table 4Wave Incorporated Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table 4Wave Incorporated Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure 4Wave Incorporated Ion Beam Technology Revenue Market Share (%) (2012-2017)

Table Veeco Instruments Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure NEXUS IBD Ion Beam Deposition System Picture

Figure NEXUS IBD-LDD Ion Beam Deposition System



Table Veeco Instruments Ion Beam Technology Revenue (Million USD) and Gross Margin (%) (2012-2017)

Figure Veeco Instruments Ion Beam Technology Revenue Market Share (%) (2012-2017)

Figure Price Trend of Computers

Table Key Suppliers of Hardware and Platform

Figure Manufacturing Cost Structure of Ion Beam Technology

Figure Ion Beam Technology Industrial Chain Analysis

Figure Marketing Channels of Ion Beam Technology

Figure Global Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Forecast (2018-2023)

Table Global Ion Beam Technology Revenue (Million USD) Forecast by Regions (2018-2023)

Figure Global Ion Beam Technology Revenue Market Share (%) Forecast by Regions (2018-2023)

Figure North America Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Forecast (2018-2023)

Figure Europe Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Forecast (2018-2023)

Figure Asia Pacific Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Forecast (2018-2023)

Figure Latin America Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Forecast (2018-2023)

Figure Middle East and Africa Ion Beam Technology Revenue (Million USD) and Growth Rate (%) Forecast (2018-2023)

Table Global Ion Beam Technology Revenue (Million USD) Forecast by Type (2018-2023)

Figure Global Ion Beam Technology Revenue Market Share Forecast by Type (2018-2023)

Table Global Ion Beam Technology Revenue (Million USD) Forecast by Application (2018-2023)

Figure Global Ion Beam Technology Consumption Forecast by Application (2018-2023)



#### I would like to order

Product name: Global Ion Beam Technology Market Size, Status and Forecast 2022 Product link: <u>https://marketpublishers.com/r/GA9192B365FEN.html</u>

> Price: US\$ 2,900.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

# Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/GA9192B365FEN.html</u>

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

First name: 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 <u>https://marketpublishers.com/docs/terms.html</u>

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