

Global Needle-Free Injection Device Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Needle-Free Injection Device market size was valued at US\$ 256 million in 2024 and is forecast to a readjusted size of USD 485 million by 2031 with a CAGR of 9.7% during review period.

Needle-free Injection Device is a type of medical injecting syringe that uses a high-pressure narrow jet of the injection liquid instead of a hypodermic needle to penetrate the epidermis. It is powered by compressed air or gas, either by a pressure hose from a large cylinder, or form a built-in gas cartridge, small cylinder, or spring.

Needle-free injection systems are novel ways to introduce various medicines into patients without piercing the skin with a conventional needle. It was developed to reduce the number of needle stick accidents and associated problems.

Firstly, the technology of needle-free injection device industry is developing and the industry concentration is not high, There are over 30 manufacturers around the world, and the leading companies are Zogenix, Bioject, Glide Pharma, Crossject Medical and Injex Pharma, right now the production is almost dominated by producers in Europe and United States. In United States, a few companies occupy more than 60 percent of domestic needle-free injector market. On the other hand, almost all the high-end products produced by the global leaders, and the producers mainly produce low-end products in China and India. USA and Europe have a long history and unshakable status in this industry, such as Bioject and Akra Dermojet, leading the needle-free injection device industry. As to Japan, many big corporation has come into this area, however, the rate of the business in this area is not high compared to other area because Japanese companies always have many business areas. In Germany, it is

Injex Pharma that lead the industry.

This report is a detailed and comprehensive analysis for global Needle-Free Injection Device market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Needle-Free Injection Device market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Needle-Free Injection Device market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Needle-Free Injection Device market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Needle-Free Injection Device market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Needle-Free Injection Device

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Needle-Free Injection Device market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Zogenix, Inovio, Glide Pharma, Akra Dermojet, Crossject Medical Technology, Injex Pharma, Eternity Healthcare, Antares Pharma, Valeritas, Medical International Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Needle-Free Injection Device market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Powder Injections

Liquid Injections

Depot or Projectile Injection

Market segment by Application

Drug Injection

Cosmetic Surgery Use

Other

Major players covered

Zogenix

Inovio

Glide Pharma

Akra Dermojet

Crossject Medical Technology

Injex Pharma

Eternity Healthcare

Antares Pharma

Valeritas

Medical International Technologies

Penjet

PharmaJet

National Medical Products

Activa Brand Products

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Needle-Free Injection Device product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Needle-Free Injection Device, with price, sales quantity, revenue, and global market share of Needle-Free Injection Device from 2020 to 2025.

Chapter 3, the Needle-Free Injection Device competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Needle-Free Injection Device breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Needle-Free Injection Device market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Needle-Free Injection Device.

Chapter 14 and 15, to describe Needle-Free Injection Device sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Needle-Free Injection Device Consumption Value by Type: 2020 Versus 2024 Versus 2031
 - 1.3.2 Powder Injections
 - 1.3.3 Liquid Injections
 - 1.3.4 Depot or Projectile Injection
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Needle-Free Injection Device Consumption Value by Application: 2020 Versus 2024 Versus 2031
 - 1.4.2 Drug Injection
 - 1.4.3 Cosmetic Surgery Use
 - 1.4.4 Other
- 1.5 Global Needle-Free Injection Device Market Size & Forecast
 - 1.5.1 Global Needle-Free Injection Device Consumption Value (2020 & 2024 & 2031)
 - 1.5.2 Global Needle-Free Injection Device Sales Quantity (2020-2031)
 - 1.5.3 Global Needle-Free Injection Device Average Price (2020-2031)

2 MANUFACTURERS PROFILES

- 2.1 Zogenix
 - 2.1.1 Zogenix Details
 - 2.1.2 Zogenix Major Business
 - 2.1.3 Zogenix Needle-Free Injection Device Product and Services
 - 2.1.4 Zogenix Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.1.5 Zogenix Recent Developments/Updates
- 2.2 Inovio
 - 2.2.1 Inovio Details
 - 2.2.2 Inovio Major Business
 - 2.2.3 Inovio Needle-Free Injection Device Product and Services
 - 2.2.4 Inovio Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.2.5 Inovio Recent Developments/Updates

2.3 Glide Pharma

2.3.1 Glide Pharma Details

2.3.2 Glide Pharma Major Business

2.3.3 Glide Pharma Needle-Free Injection Device Product and Services

2.3.4 Glide Pharma Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Glide Pharma Recent Developments/Updates

2.4 Akra Dermojet

2.4.1 Akra Dermojet Details

2.4.2 Akra Dermojet Major Business

2.4.3 Akra Dermojet Needle-Free Injection Device Product and Services

2.4.4 Akra Dermojet Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Akra Dermojet Recent Developments/Updates

2.5 Crossject Medical Technology

2.5.1 Crossject Medical Technology Details

2.5.2 Crossject Medical Technology Major Business

2.5.3 Crossject Medical Technology Needle-Free Injection Device Product and Services

2.5.4 Crossject Medical Technology Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Crossject Medical Technology Recent Developments/Updates

2.6 Injex Pharma

2.6.1 Injex Pharma Details

2.6.2 Injex Pharma Major Business

2.6.3 Injex Pharma Needle-Free Injection Device Product and Services

2.6.4 Injex Pharma Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Injex Pharma Recent Developments/Updates

2.7 Eternity Healthcare

2.7.1 Eternity Healthcare Details

2.7.2 Eternity Healthcare Major Business

2.7.3 Eternity Healthcare Needle-Free Injection Device Product and Services

2.7.4 Eternity Healthcare Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Eternity Healthcare Recent Developments/Updates

2.8 Antares Pharma

2.8.1 Antares Pharma Details

2.8.2 Antares Pharma Major Business

- 2.8.3 Antares Pharma Needle-Free Injection Device Product and Services
- 2.8.4 Antares Pharma Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Antares Pharma Recent Developments/Updates
- 2.9 Valeritas
 - 2.9.1 Valeritas Details
 - 2.9.2 Valeritas Major Business
 - 2.9.3 Valeritas Needle-Free Injection Device Product and Services
 - 2.9.4 Valeritas Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Valeritas Recent Developments/Updates
- 2.10 Medical International Technologies
 - 2.10.1 Medical International Technologies Details
 - 2.10.2 Medical International Technologies Major Business
 - 2.10.3 Medical International Technologies Needle-Free Injection Device Product and Services
 - 2.10.4 Medical International Technologies Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Medical International Technologies Recent Developments/Updates
- 2.11 Penjet
 - 2.11.1 Penjet Details
 - 2.11.2 Penjet Major Business
 - 2.11.3 Penjet Needle-Free Injection Device Product and Services
 - 2.11.4 Penjet Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Penjet Recent Developments/Updates
- 2.12 PharmaJet
 - 2.12.1 PharmaJet Details
 - 2.12.2 PharmaJet Major Business
 - 2.12.3 PharmaJet Needle-Free Injection Device Product and Services
 - 2.12.4 PharmaJet Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 PharmaJet Recent Developments/Updates
- 2.13 National Medical Products
 - 2.13.1 National Medical Products Details
 - 2.13.2 National Medical Products Major Business
 - 2.13.3 National Medical Products Needle-Free Injection Device Product and Services
 - 2.13.4 National Medical Products Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.13.5 National Medical Products Recent Developments/Updates
- 2.14 Activa Brand Products
 - 2.14.1 Activa Brand Products Details
 - 2.14.2 Activa Brand Products Major Business
 - 2.14.3 Activa Brand Products Needle-Free Injection Device Product and Services
 - 2.14.4 Activa Brand Products Needle-Free Injection Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 Activa Brand Products Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: NEEDLE-FREE INJECTION DEVICE BY MANUFACTURER

- 3.1 Global Needle-Free Injection Device Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Needle-Free Injection Device Revenue by Manufacturer (2020-2025)
- 3.3 Global Needle-Free Injection Device Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Needle-Free Injection Device by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Needle-Free Injection Device Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Needle-Free Injection Device Manufacturer Market Share in 2024
- 3.5 Needle-Free Injection Device Market: Overall Company Footprint Analysis
 - 3.5.1 Needle-Free Injection Device Market: Region Footprint
 - 3.5.2 Needle-Free Injection Device Market: Company Product Type Footprint
 - 3.5.3 Needle-Free Injection Device Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Needle-Free Injection Device Market Size by Region
 - 4.1.1 Global Needle-Free Injection Device Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Needle-Free Injection Device Consumption Value by Region (2020-2031)
 - 4.1.3 Global Needle-Free Injection Device Average Price by Region (2020-2031)
- 4.2 North America Needle-Free Injection Device Consumption Value (2020-2031)
- 4.3 Europe Needle-Free Injection Device Consumption Value (2020-2031)
- 4.4 Asia-Pacific Needle-Free Injection Device Consumption Value (2020-2031)
- 4.5 South America Needle-Free Injection Device Consumption Value (2020-2031)
- 4.6 Middle East & Africa Needle-Free Injection Device Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Needle-Free Injection Device Sales Quantity by Type (2020-2031)
- 5.2 Global Needle-Free Injection Device Consumption Value by Type (2020-2031)
- 5.3 Global Needle-Free Injection Device Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Needle-Free Injection Device Sales Quantity by Application (2020-2031)
- 6.2 Global Needle-Free Injection Device Consumption Value by Application (2020-2031)
- 6.3 Global Needle-Free Injection Device Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Needle-Free Injection Device Sales Quantity by Type (2020-2031)
- 7.2 North America Needle-Free Injection Device Sales Quantity by Application (2020-2031)
- 7.3 North America Needle-Free Injection Device Market Size by Country
 - 7.3.1 North America Needle-Free Injection Device Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Needle-Free Injection Device Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Needle-Free Injection Device Sales Quantity by Type (2020-2031)
- 8.2 Europe Needle-Free Injection Device Sales Quantity by Application (2020-2031)
- 8.3 Europe Needle-Free Injection Device Market Size by Country
 - 8.3.1 Europe Needle-Free Injection Device Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Needle-Free Injection Device Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Needle-Free Injection Device Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Needle-Free Injection Device Sales Quantity by Application
(2020-2031)

9.3 Asia-Pacific Needle-Free Injection Device Market Size by Region

9.3.1 Asia-Pacific Needle-Free Injection Device Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Needle-Free Injection Device Consumption Value by Region
(2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Needle-Free Injection Device Sales Quantity by Type (2020-2031)

10.2 South America Needle-Free Injection Device Sales Quantity by Application
(2020-2031)

10.3 South America Needle-Free Injection Device Market Size by Country

10.3.1 South America Needle-Free Injection Device Sales Quantity by Country
(2020-2031)

10.3.2 South America Needle-Free Injection Device Consumption Value by Country
(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Needle-Free Injection Device Sales Quantity by Type
(2020-2031)

11.2 Middle East & Africa Needle-Free Injection Device Sales Quantity by Application
(2020-2031)

11.3 Middle East & Africa Needle-Free Injection Device Market Size by Country

11.3.1 Middle East & Africa Needle-Free Injection Device Sales Quantity by Country
(2020-2031)

11.3.2 Middle East & Africa Needle-Free Injection Device Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Needle-Free Injection Device Market Drivers

12.2 Needle-Free Injection Device Market Restraints

12.3 Needle-Free Injection Device Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Needle-Free Injection Device and Key Manufacturers

13.2 Manufacturing Costs Percentage of Needle-Free Injection Device

13.3 Needle-Free Injection Device Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Needle-Free Injection Device Typical Distributors

14.3 Needle-Free Injection Device Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Needle-Free Injection Device Consumption Value by Type, (USD Million), 2020 & 2024 & 2031
- Table 2. Global Needle-Free Injection Device Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Table 3. Zogenix Basic Information, Manufacturing Base and Competitors
- Table 4. Zogenix Major Business
- Table 5. Zogenix Needle-Free Injection Device Product and Services
- Table 6. Zogenix Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 7. Zogenix Recent Developments/Updates
- Table 8. Inovio Basic Information, Manufacturing Base and Competitors
- Table 9. Inovio Major Business
- Table 10. Inovio Needle-Free Injection Device Product and Services
- Table 11. Inovio Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 12. Inovio Recent Developments/Updates
- Table 13. Glide Pharma Basic Information, Manufacturing Base and Competitors
- Table 14. Glide Pharma Major Business
- Table 15. Glide Pharma Needle-Free Injection Device Product and Services
- Table 16. Glide Pharma Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 17. Glide Pharma Recent Developments/Updates
- Table 18. Akra Dermojet Basic Information, Manufacturing Base and Competitors
- Table 19. Akra Dermojet Major Business
- Table 20. Akra Dermojet Needle-Free Injection Device Product and Services
- Table 21. Akra Dermojet Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 22. Akra Dermojet Recent Developments/Updates
- Table 23. Crossject Medical Technology Basic Information, Manufacturing Base and Competitors
- Table 24. Crossject Medical Technology Major Business
- Table 25. Crossject Medical Technology Needle-Free Injection Device Product and Services
- Table 26. Crossject Medical Technology Needle-Free Injection Device Sales Quantity

(K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Crossject Medical Technology Recent Developments/Updates

Table 28. Injex Pharma Basic Information, Manufacturing Base and Competitors

Table 29. Injex Pharma Major Business

Table 30. Injex Pharma Needle-Free Injection Device Product and Services

Table 31. Injex Pharma Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Injex Pharma Recent Developments/Updates

Table 33. Eternity Healthcare Basic Information, Manufacturing Base and Competitors

Table 34. Eternity Healthcare Major Business

Table 35. Eternity Healthcare Needle-Free Injection Device Product and Services

Table 36. Eternity Healthcare Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Eternity Healthcare Recent Developments/Updates

Table 38. Antares Pharma Basic Information, Manufacturing Base and Competitors

Table 39. Antares Pharma Major Business

Table 40. Antares Pharma Needle-Free Injection Device Product and Services

Table 41. Antares Pharma Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Antares Pharma Recent Developments/Updates

Table 43. Valeritas Basic Information, Manufacturing Base and Competitors

Table 44. Valeritas Major Business

Table 45. Valeritas Needle-Free Injection Device Product and Services

Table 46. Valeritas Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Valeritas Recent Developments/Updates

Table 48. Medical International Technologies Basic Information, Manufacturing Base and Competitors

Table 49. Medical International Technologies Major Business

Table 50. Medical International Technologies Needle-Free Injection Device Product and Services

Table 51. Medical International Technologies Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Medical International Technologies Recent Developments/Updates

Table 53. Penjet Basic Information, Manufacturing Base and Competitors

Table 54. Penjet Major Business

Table 55. Penjet Needle-Free Injection Device Product and Services

Table 56. Penjet Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Penjet Recent Developments/Updates

Table 58. PharmaJet Basic Information, Manufacturing Base and Competitors

Table 59. PharmaJet Major Business

Table 60. PharmaJet Needle-Free Injection Device Product and Services

Table 61. PharmaJet Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. PharmaJet Recent Developments/Updates

Table 63. National Medical Products Basic Information, Manufacturing Base and Competitors

Table 64. National Medical Products Major Business

Table 65. National Medical Products Needle-Free Injection Device Product and Services

Table 66. National Medical Products Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. National Medical Products Recent Developments/Updates

Table 68. Activa Brand Products Basic Information, Manufacturing Base and Competitors

Table 69. Activa Brand Products Major Business

Table 70. Activa Brand Products Needle-Free Injection Device Product and Services

Table 71. Activa Brand Products Needle-Free Injection Device Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Activa Brand Products Recent Developments/Updates

Table 73. Global Needle-Free Injection Device Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 74. Global Needle-Free Injection Device Revenue by Manufacturer (2020-2025) & (USD Million)

Table 75. Global Needle-Free Injection Device Average Price by Manufacturer (2020-2025) & (USD/Unit)

Table 76. Market Position of Manufacturers in Needle-Free Injection Device, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 77. Head Office and Needle-Free Injection Device Production Site of Key Manufacturer

Table 78. Needle-Free Injection Device Market: Company Product Type Footprint

Table 79. Needle-Free Injection Device Market: Company Product Application Footprint

Table 80. Needle-Free Injection Device New Market Entrants and Barriers to Market Entry

Table 81. Needle-Free Injection Device Mergers, Acquisition, Agreements, and Collaborations

Table 82. Global Needle-Free Injection Device Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 83. Global Needle-Free Injection Device Sales Quantity by Region (2020-2025) & (K Units)

Table 84. Global Needle-Free Injection Device Sales Quantity by Region (2026-2031) & (K Units)

Table 85. Global Needle-Free Injection Device Consumption Value by Region (2020-2025) & (USD Million)

Table 86. Global Needle-Free Injection Device Consumption Value by Region (2026-2031) & (USD Million)

Table 87. Global Needle-Free Injection Device Average Price by Region (2020-2025) & (USD/Unit)

Table 88. Global Needle-Free Injection Device Average Price by Region (2026-2031) & (USD/Unit)

Table 89. Global Needle-Free Injection Device Sales Quantity by Type (2020-2025) & (K Units)

Table 90. Global Needle-Free Injection Device Sales Quantity by Type (2026-2031) & (K Units)

Table 91. Global Needle-Free Injection Device Consumption Value by Type (2020-2025) & (USD Million)

Table 92. Global Needle-Free Injection Device Consumption Value by Type (2026-2031) & (USD Million)

Table 93. Global Needle-Free Injection Device Average Price by Type (2020-2025) & (USD/Unit)

Table 94. Global Needle-Free Injection Device Average Price by Type (2026-2031) & (USD/Unit)

Table 95. Global Needle-Free Injection Device Sales Quantity by Application (2020-2025) & (K Units)

Table 96. Global Needle-Free Injection Device Sales Quantity by Application (2026-2031) & (K Units)

Table 97. Global Needle-Free Injection Device Consumption Value by Application (2020-2025) & (USD Million)

Table 98. Global Needle-Free Injection Device Consumption Value by Application (2026-2031) & (USD Million)

Table 99. Global Needle-Free Injection Device Average Price by Application
(2020-2025) & (USD/Unit)

Table 100. Global Needle-Free Injection Device Average Price by Application
(2026-2031) & (USD/Unit)

Table 101. North America Needle-Free Injection Device Sales Quantity by Type
(2020-2025) & (K Units)

Table 102. North America Needle-Free Injection Device Sales Quantity by Type
(2026-2031) & (K Units)

Table 103. North America Needle-Free Injection Device Sales Quantity by Application
(2020-2025) & (K Units)

Table 104. North America Needle-Free Injection Device Sales Quantity by Application
(2026-2031) & (K Units)

Table 105. North America Needle-Free Injection Device Sales Quantity by Country
(2020-2025) & (K Units)

Table 106. North America Needle-Free Injection Device Sales Quantity by Country
(2026-2031) & (K Units)

Table 107. North America Needle-Free Injection Device Consumption Value by Country
(2020-2025) & (USD Million)

Table 108. North America Needle-Free Injection Device Consumption Value by Country
(2026-2031) & (USD Million)

Table 109. Europe Needle-Free Injection Device Sales Quantity by Type (2020-2025) &
(K Units)

Table 110. Europe Needle-Free Injection Device Sales Quantity by Type (2026-2031) &
(K Units)

Table 111. Europe Needle-Free Injection Device Sales Quantity by Application
(2020-2025) & (K Units)

Table 112. Europe Needle-Free Injection Device Sales Quantity by Application
(2026-2031) & (K Units)

Table 113. Europe Needle-Free Injection Device Sales Quantity by Country
(2020-2025) & (K Units)

Table 114. Europe Needle-Free Injection Device Sales Quantity by Country
(2026-2031) & (K Units)

Table 115. Europe Needle-Free Injection Device Consumption Value by Country
(2020-2025) & (USD Million)

Table 116. Europe Needle-Free Injection Device Consumption Value by Country
(2026-2031) & (USD Million)

Table 117. Asia-Pacific Needle-Free Injection Device Sales Quantity by Type
(2020-2025) & (K Units)

Table 118. Asia-Pacific Needle-Free Injection Device Sales Quantity by Type

(2026-2031) & (K Units)

Table 119. Asia-Pacific Needle-Free Injection Device Sales Quantity by Application (2020-2025) & (K Units)

Table 120. Asia-Pacific Needle-Free Injection Device Sales Quantity by Application (2026-2031) & (K Units)

Table 121. Asia-Pacific Needle-Free Injection Device Sales Quantity by Region (2020-2025) & (K Units)

Table 122. Asia-Pacific Needle-Free Injection Device Sales Quantity by Region (2026-2031) & (K Units)

Table 123. Asia-Pacific Needle-Free Injection Device Consumption Value by Region (2020-2025) & (USD Million)

Table 124. Asia-Pacific Needle-Free Injection Device Consumption Value by Region (2026-2031) & (USD Million)

Table 125. South America Needle-Free Injection Device Sales Quantity by Type (2020-2025) & (K Units)

Table 126. South America Needle-Free Injection Device Sales Quantity by Type (2026-2031) & (K Units)

Table 127. South America Needle-Free Injection Device Sales Quantity by Application (2020-2025) & (K Units)

Table 128. South America Needle-Free Injection Device Sales Quantity by Application (2026-2031) & (K Units)

Table 129. South America Needle-Free Injection Device Sales Quantity by Country (2020-2025) & (K Units)

Table 130. South America Needle-Free Injection Device Sales Quantity by Country (2026-2031) & (K Units)

Table 131. South America Needle-Free Injection Device Consumption Value by Country (2020-2025) & (USD Million)

Table 132. South America Needle-Free Injection Device Consumption Value by Country (2026-2031) & (USD Million)

Table 133. Middle East & Africa Needle-Free Injection Device Sales Quantity by Type (2020-2025) & (K Units)

Table 134. Middle East & Africa Needle-Free Injection Device Sales Quantity by Type (2026-2031) & (K Units)

Table 135. Middle East & Africa Needle-Free Injection Device Sales Quantity by Application (2020-2025) & (K Units)

Table 136. Middle East & Africa Needle-Free Injection Device Sales Quantity by Application (2026-2031) & (K Units)

Table 137. Middle East & Africa Needle-Free Injection Device Sales Quantity by Country (2020-2025) & (K Units)

Table 138. Middle East & Africa Needle-Free Injection Device Sales Quantity by Country (2026-2031) & (K Units)

Table 139. Middle East & Africa Needle-Free Injection Device Consumption Value by Country (2020-2025) & (USD Million)

Table 140. Middle East & Africa Needle-Free Injection Device Consumption Value by Country (2026-2031) & (USD Million)

Table 141. Needle-Free Injection Device Raw Material

Table 142. Key Manufacturers of Needle-Free Injection Device Raw Materials

Table 143. Needle-Free Injection Device Typical Distributors

Table 144. Needle-Free Injection Device Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Needle-Free Injection Device Picture

Figure 2. Global Needle-Free Injection Device Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Needle-Free Injection Device Revenue Market Share by Type in 2024

Figure 4. Powder Injections Examples

Figure 5. Liquid Injections Examples

Figure 6. Depot or Projectile Injection Examples

Figure 7. Global Needle-Free Injection Device Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global Needle-Free Injection Device Revenue Market Share by Application in 2024

Figure 9. Drug Injection Examples

Figure 10. Cosmetic Surgery Use Examples

Figure 11. Other Examples

Figure 12. Global Needle-Free Injection Device Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Needle-Free Injection Device Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Needle-Free Injection Device Sales Quantity (2020-2031) & (K Units)

Figure 15. Global Needle-Free Injection Device Price (2020-2031) & (USD/Unit)

Figure 16. Global Needle-Free Injection Device Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Needle-Free Injection Device Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Needle-Free Injection Device by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Needle-Free Injection Device Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Needle-Free Injection Device Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Needle-Free Injection Device Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Needle-Free Injection Device Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Needle-Free Injection Device Consumption Value

(2020-2031) & (USD Million)

Figure 24. Europe Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Needle-Free Injection Device Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Needle-Free Injection Device Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Needle-Free Injection Device Average Price by Type (2020-2031) & (USD/Unit)

Figure 31. Global Needle-Free Injection Device Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Needle-Free Injection Device Revenue Market Share by Application (2020-2031)

Figure 33. Global Needle-Free Injection Device Average Price by Application (2020-2031) & (USD/Unit)

Figure 34. North America Needle-Free Injection Device Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Needle-Free Injection Device Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Needle-Free Injection Device Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Needle-Free Injection Device Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Needle-Free Injection Device Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Needle-Free Injection Device Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Needle-Free Injection Device Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Needle-Free Injection Device Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 46. France Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Needle-Free Injection Device Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Needle-Free Injection Device Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Needle-Free Injection Device Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Needle-Free Injection Device Consumption Value Market Share by Region (2020-2031)

Figure 54. China Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 57. India Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Needle-Free Injection Device Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Needle-Free Injection Device Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Needle-Free Injection Device Sales Quantity Market Share by

Country (2020-2031)

Figure 63. South America Needle-Free Injection Device Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Needle-Free Injection Device Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Needle-Free Injection Device Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Needle-Free Injection Device Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Needle-Free Injection Device Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Needle-Free Injection Device Consumption Value (2020-2031) & (USD Million)

Figure 74. Needle-Free Injection Device Market Drivers

Figure 75. Needle-Free Injection Device Market Restraints

Figure 76. Needle-Free Injection Device Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Needle-Free Injection Device in 2024

Figure 79. Manufacturing Process Analysis of Needle-Free Injection Device

Figure 80. Needle-Free Injection Device Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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