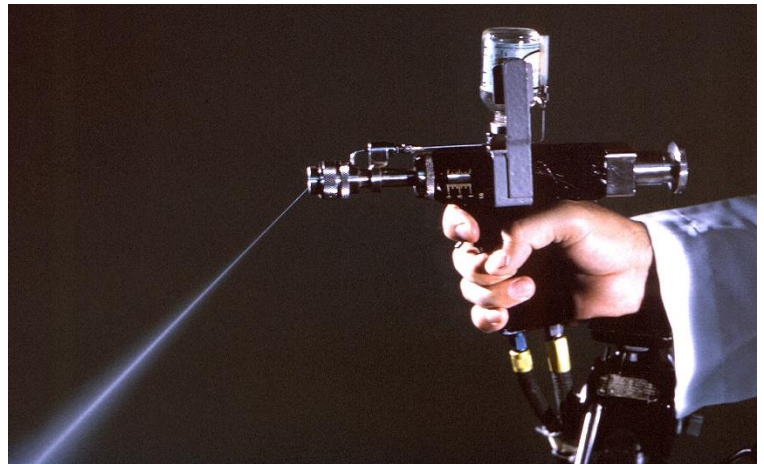


Freedonia Focus Reports
World Collection



World

Needle-Free Drug Delivery Systems

July 2016



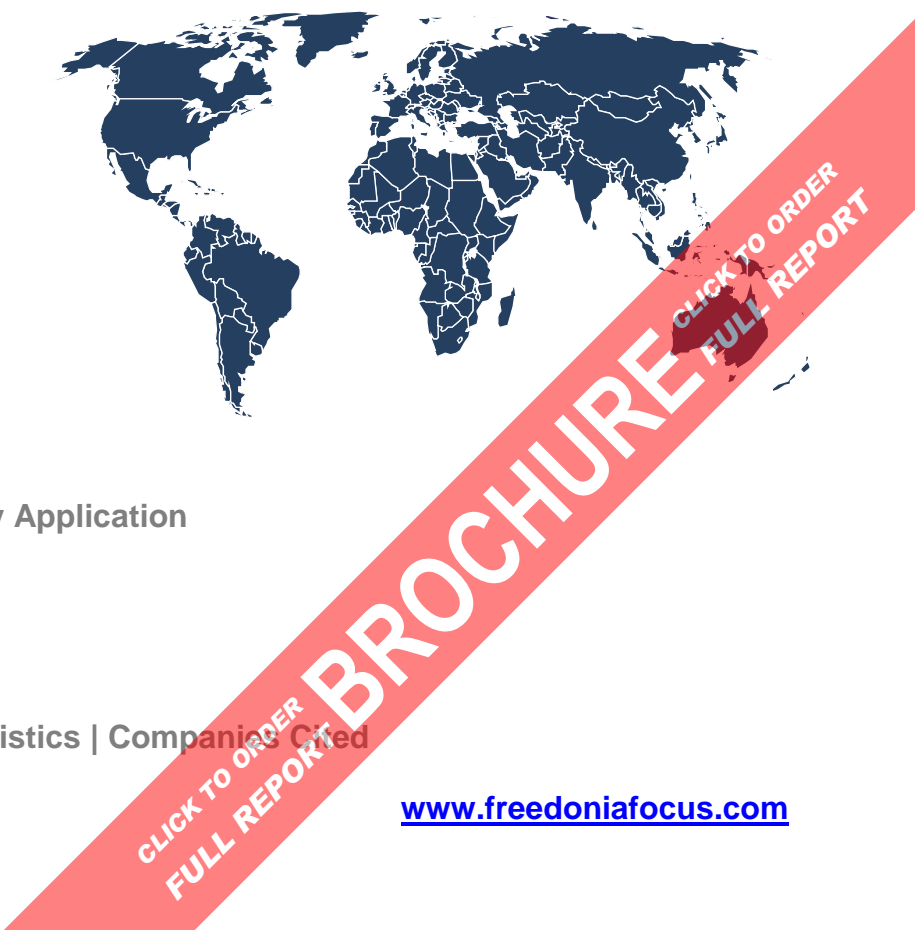
Highlights

World Overview and Forecasts
Demand by Technology | Demand by Application

Regional Segmentation and Forecasts
Regional Demand Overview

Industry Structure
Industry Composition and Characteristics | Companies Cited

Resources



ABOUT THIS REPORT

Scope & Method

This report forecasts annual world demand through 2020 for needle-free drug delivery systems by technology, application, and major world region in US dollars at the manufacturers' level. Technology segments include:

- jet injectors
- other technologies such as spring injectors, laser-based injectors, and transdermal microneedles.

In terms of products, the report includes data on needle-free delivery, including nasal and specialized transdermal and intradermal delivery of products that would normally be delivered by injection only.

Reported applications encompass:

- insulin
- pain control
- vaccines
- pediatric
- other applications such as hormonal disorders, osteoporosis, and nausea and vomiting.

Major world regions include:

- USA
- Europe
- Asia/Pacific
- all other regions.

To illustrate historical trends world, technology, application, and regional demand (including all segments) are provided for 2013, 2014, and 2015.

This report quantifies trends in various measures of growth. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year.

Unless otherwise indicated, both historical and forecasted demand values are expressed in US dollars at a fixed 2015 rate of exchange with local currencies.

Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

Sources

World Needle-Free Drug Delivery Systems (FW40061) is based on [a comprehensive industry report](#) published by Kalorama Information in July 2016.

The research conducted by Kalorama included comprehensive research of secondary sources such as company literature, databases, investment reports, and medical and business journals. New technologies, market developments, and research and development trends and expenditures were identified through patent and database searches, as well as via interviews with key personnel. Person-to-person and telephone interviews were the primary method of gathering information. E-mail correspondence was also used in the interview process. Interviews with 12 key industry officials, trade association spokespersons, consultants, healthcare providers, and government personnel were compiled to form the primary basis of information – particularly revenue and market share data – presented in this report.

Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325411	Medicinal & Botanical Mfg	2833	Medicinal Chemicals & Botanical Products
325412	Pharmaceutical Preparation Mfg	2834	Pharmaceutical Preparations
325413	In-Vitro Diagnostic Substance Mfg	2835	In Vitro & In Vivo Diagnostic Substances
325414	Biological Product (except Diagnostic) Mfg	2836	Biological Products, except Diagnostic Substances
339113	Surgical Appliance & Supplies Mfg	3842	Orthopedic, Prosthetic & Surgical Appliances & Supplies

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RESOURCES

Kalorama Information

www.kaloramainformation.com

The Market for Needle-Free Drug Delivery Systems, July 2016

[see report contents](#)

The Freedonia Group

www.freedoniagroup.com

Related Industry Studies

3446 World Medical Disposables, August 2016

[see study contents](#)

3421 In Vitro Diagnostic (IVD) Packaging, June 2016

[see study contents](#)

3403 Infection Prevention Products & Services, April 2016

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3378 Disposable Medical Supplies, February 2016

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3359 Dental Products & Materials, January 2016

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3354 Drug Delivery Products, December 2015

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World Medical Disposables

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Trade Publications

Drug Development & Delivery (USA)

www.drug-dev.com

Drug Store News (USA)

www.drugstorenews.com

Drug Topics (USA)

<http://drugtopics.modernmedicine.com>

Infection Control Today (USA)

www.infectioncontroltoday.com

Medical Design Technology (USA)

www.mdtmag.com

Medical Device and Diagnostic Industry (USA)

www.mddionline.com

Qmed (USA)

www.qmed.com

Agencies & Associations

American Association of Pharmaceutical Scientists

www.aaps.org

American Pharmacists Association

www.pharmacist.com

Centers for Disease Control and Prevention

www.cdc.gov

Controlled Release Society

www.controlledreleasesociety.org

Drug Delivery Foundation

www.ddfint.org

Medical Device Manufacturers Association

www.medicaldevices.org

United States Food and Drug Administration

www.fda.gov

World Health Organization

www.who.int

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