

Micro Injection Molding Machine Market by Type (0-10 tons, 10-30 tons, and 30-40 tons), Application (Medical, Automotive, Fiber Optics, Electronics), Region (North America, Europe, Asia-Pacific, South America, MEA) - Global Forecast to 2028

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Abstracts

The micro injection molding machine market is projected to reach USD 0.7 billion by 2028, at a CAGR of 9.9% from USD 0.5 billion in 2023. The expansion of the automotive industry and the increase in demand for medical applications are the main drivers of this market. The demand for extremely accurate molds that are effective for performing medical procedures is being driven by the shift toward nanotechnology and miniaturization in the medical industry. The growing automation of automobiles and the development of electric cars are also driving up the demand for high-precision parts to improve performance.

“The 30 to 40 tons clamping force segment is the largest type of micro injection molding machine for micro injection molding machine market in 2022.”

Based on clamping force, The segment with a clamping force of 30 to 40 tons held the largest market share in 2022. Based on the tolerances and shot weights needed for the molds, the demand for micro-injection molding machines within this clamping force sector is increased. These machines are often employed in applications for the medical, automotive, electronics, fiber optics, and other sectors. The expanding trend of miniaturization is predicted to raise the need for smaller parts across all industries, which would enhance the need for micro-injection molding machinery. Arburg GmbH & Co KG, Engel Austria GmbH, The Japan Steel Works Ltd, and Sumitomo Heavy Industries Limited are the major manufacturers of micro injection molding machines in this segment.

“Medical is estimated to be the largest application of micro injection molding machine market between 2023 and 2028.”

The need for medical equipment has surged as a result of the global coronavirus outbreak. The demand for medical equipment, such as surgical devices, medical systems, and other medical instruments, surged rapidly as a result of the spike in COVID-19 cases. Micro components are increasingly being used in medical procedures as a result of technical advancements in the field of medicine, which improve patient outcomes overall. Intensified R&D is driving up demand for micro injection molding equipment in the medical industry as well as for medical micro parts.

“Asia Pacific is expected to be the largest micro injection molding machine market during the forecast period, in terms of value.”

China has the largest market for micro injection molding machines in the Asia Pacific. The demand for micro injection molding machines in the area is anticipated to continue growing domestic demand as a result of the quick expansion of manufacturing facilities and other commercial units. It is anticipated that initiatives for new technologies and goods, along with rising population and demand, would turn this region into a potential micro injection molding machine market. The region's automotive and electronics industries will be greatly impacted by the expanding population.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees is as follows:

By Company Type: Tier 1 - 30%, Tier 2 - 43%, and Tier 3 - 27%

By Designation: C-Level - 21%, Director Level - 23%, and Others - 56%

By Region: North America - 41%, Europe - 30%, Asia Pacific - 18%, South America - 7%, and Middle East & Africa - 4%,

The key market players profiled in the report include Sumitomo Heavy Industries Ltd. (Japan), Engel Austria GmbH (Austria), Nissei Plastic Industrial Co., Ltd. (Japan), Sodick Co., Ltd. (Japan), and Hillenbrand Inc. (US).

Research Coverage

This report segments the market for micro injection molding machines on the basis of type, application, and region and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisitions associated with the market for micro injection molding machines.

Reasons to buy this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view of the competitive landscape, emerging and high-growth segments of the micro injection molding machine market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (Increased demand for miniaturized products, developments in manufacturing technologies & Growing idea of miniaturization in consumer electronics are driving the growth of the micro injection molding machines market), restraints (High primary investment & partial market awareness poses a challenge), opportunities (Rising demand in the automotive & healthcare industry & expanding emerging economies), and challenges (Intricate designs and tooling necessities, substitute technologies) influencing the growth of the micro injection molding machine market

Market Penetration: Comprehensive information on micro injection molding machines offered by top players in the global micro injection molding machine market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the micro injection molding machine market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for micro injection molding machines across regions.

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global micro injection molding machine market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the micro injection molding machine market

Impact of COVID-19 on the micro injection molding machine market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.2.2 DEFINITIONS AND INCLUSIONS, BY CLAMPING FORCE

1.2.3 DEFINITIONS AND INCLUSIONS, BY APPLICATION

1.3 MARKET SCOPE

FIGURE 1 MICRO INJECTION MOLDING MACHINES MARKET SEGMENTATION

1.3.1 REGIONS COVERED

1.3.2 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 STAKEHOLDERS

1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 MICRO INJECTION MOLDING MACHINES MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.2 PRIMARY DATA

2.1.2.1 Primary interviews – demand and supply sides

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 1 (SUPPLY-SIDE): REVENUE OF PRODUCTS

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 1 BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE OF ALL PRODUCTS

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY APPROACH 2 – BOTTOM-UP (DEMAND-SIDE): APPLICATIONS SERVED

2.2.2 TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 3 – TOP-DOWN

2.3 DATA TRIANGULATION

FIGURE 7 MICRO INJECTION MOLDING MACHINES MARKET: DATA

TRIANGULATION

2.4 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

2.4.1 SUPPLY SIDE

FIGURE 8 MARKET CAGR PROJECTIONS FROM SUPPLY-SIDE

2.4.2 DEMAND SIDE

FIGURE 9 MARKET GROWTH PROJECTIONS FROM DEMAND-SIDE: DRIVERS AND OPPORTUNITIES

2.5 FACTOR ANALYSIS

2.6 RESEARCH ASSUMPTIONS

2.7 RESEARCH LIMITATIONS

2.8 RISK ASSESSMENT

2.9 IMPACT OF RECESSION

3 EXECUTIVE SUMMARY

FIGURE 10 30 TO 40 TONS CLAMPING FORCE SEGMENT TO DOMINATE MICRO INJECTION MOLDING MACHINES MARKET DURING FORECAST PERIOD

FIGURE 11 MEDICAL TO BE LARGEST APPLICATION OF MICRO INJECTION MOLDING MACHINES MARKET DURING FORECAST PERIOD

FIGURE 12 ASIA PACIFIC ACCOUNTED FOR LARGEST SHARE OF MICRO INJECTION MOLDING MACHINES MARKET IN 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN MICRO INJECTION MOLDING MACHINES MARKET

FIGURE 13 SHIFT TOWARD ELECTRIC VEHICLES TO DRIVE DEMAND FOR MICRO INJECTION MOLDING MACHINES

4.2 MICRO INJECTION MOLDING MACHINES MARKET, BY REGION

FIGURE 14 ASIA PACIFIC TO BE LARGEST MICRO INJECTION MOLDING MACHINES MARKET BETWEEN 2023 AND 2028

4.3 MICRO INJECTION MOLDING MACHINES MARKET SHARE, REGION VS. APPLICATION

FIGURE 15 MEDICAL APPLICATION TO BE LARGEST CONSUMER OF MICRO INJECTION MOLDING MACHINES ACROSS REGIONS

4.4 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION AND COUNTRY, 2022

FIGURE 16 CHINA ACCOUNTED FOR LARGEST SHARE OF MICRO INJECTION MOLDING MACHINES MARKET IN 2022

4.5 MICRO INJECTION MOLDING MACHINES MARKET ATTRACTIVENESS

FIGURE 17 INDIA TO WITNESS HIGH DEMAND FOR MICRO INJECTION MOLDING MACHINES BETWEEN 2023 AND 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN MICRO INJECTION MOLDING MACHINES MARKET

5.2.1 DRIVERS

- 5.2.1.1 Increasing demand for miniaturized products
- 5.2.1.2 Advancements in manufacturing technologies
- 5.2.1.3 Growing trend of miniaturization in consumer electronics

5.2.2 RESTRAINTS

- 5.2.2.1 High initial investment
- 5.2.2.2 Limited market awareness

5.2.3 OPPORTUNITIES

- 5.2.3.1 Growing demand in healthcare and automotive industries
- 5.2.3.2 Expansion into emerging economies

5.2.4 CHALLENGES

- 5.2.4.1 Complex design and tooling requirements
- 5.2.4.2 Competition from alternative technologies

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 19 PORTER'S FIVE FORCES ANALYSIS OF MICRO INJECTION MOLDING MACHINES MARKET

5.3.1 THREAT OF SUBSTITUTES

5.3.2 THREAT OF NEW ENTRANTS

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 1 MICRO INJECTION MOLDING MACHINES MARKET: PORTER'S FIVE FORCES ANALYSIS

5.4 MACROECONOMIC INDICATORS

5.4.1 GDP TRENDS AND FORECASTS FOR MAJOR ECONOMIES

TABLE 2 GDP TRENDS AND FORECASTS, BY MAJOR ECONOMY, 2021–2028 (USD BILLION)

6 INDUSTRY TRENDS

6.1 SUPPLY CHAIN ANALYSIS

FIGURE 20 MICRO INJECTION MOLDING MACHINES MARKET: SUPPLY CHAIN

6.1.1 RAW MATERIAL

6.1.2 MANUFACTURING

6.1.3 DISTRIBUTION TO END USERS

6.2 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

FIGURE 21 REVENUE SHIFT FOR MICRO INJECTION MOLDING MACHINES MARKET

6.3 ECOSYSTEM ANALYSIS/MARKET MAP

FIGURE 22 MICRO INJECTION MOLDING MACHINES MARKET: ECOSYSTEM

TABLE 3 MICRO INJECTION MOLDING MACHINES MARKET: ECOSYSTEM

6.4 CASE STUDIES

6.4.1 SUMITOMO MICRO INJECTION MOLDING MACHINE

6.4.2 ARBURG MICRO INJECTION MOLDING MACHINE

6.5 TECHNOLOGY ANALYSIS

6.5.1 ADVANCING INDUSTRY 4.0: AUTOMATION AND IOT TO REVOLUTIONIZE MICRO INJECTION MOLDING MACHINES

6.5.2 SUMITOMO (SHI) DEMAG INTRODUCES SK-II CONTROL OPTION, ADVANCING PRECISION IN MICRO INJECTION MOLDING MACHINES

6.6 KEY STAKEHOLDERS AND BUYING CRITERIA

6.6.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 23 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

TABLE 4 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS (%)

6.6.2 BUYING CRITERIA

FIGURE 24 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

TABLE 5 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

6.7 TRADE DATA

6.7.1 IMPORT SCENARIO OF MICRO INJECTION MOLDING MACHINES

FIGURE 25 MICRO INJECTION MOLDING MACHINE IMPORTS, BY KEY COUNTRY, 2013–2022

TABLE 6 MICRO INJECTION MOLDING MACHINE IMPORTS, BY REGION, 2013–2022 (USD MILLION)

6.7.2 EXPORT SCENARIO OF MICRO INJECTION MOLDING MACHINES

FIGURE 26 MICRO INJECTION MOLDING MACHINE EXPORTS, BY KEY COUNTRY, 2013–2022

TABLE 7 MICRO INJECTION MOLDING MACHINE EXPORTS, BY REGION,

2013–2022 (USD MILLION)

6.8 GLOBAL REGULATORY FRAMEWORK AND ITS IMPACT ON MICRO INJECTION MOLDING MACHINES MARKET

6.8.1 REGULATIONS RELATED TO MICRO INJECTION MOLDING MACHINES MARKET

6.8.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6.9 KEY CONFERENCES & EVENTS IN 2023

TABLE 8 MICRO INJECTION MOLDING MACHINES MARKET: DETAILED LIST OF CONFERENCES & EVENTS, 2023

6.10 PATENT ANALYSIS

6.10.1 APPROACH

6.10.2 DOCUMENT TYPE

TABLE 9 PATENT STATUS AND COUNT, 2013–2023

FIGURE 27 PATENTS REGISTERED IN MICRO INJECTION MOLDING MACHINES MARKET, 2013–2023

FIGURE 28 PATENT PUBLICATION TRENDS, 2013–2022

FIGURE 29 LEGAL STATUS OF PATENTS FILED IN MICRO INJECTION MOLDING MACHINES MARKET

6.10.3 JURISDICTION ANALYSIS

FIGURE 30 MAXIMUM PATENTS FILED IN JURISDICTION OF US, 2013–2023

7 MICRO INJECTION MOLDING MACHINES MARKET, BY CLAMPING FORCE

7.1 INTRODUCTION

FIGURE 31 0–10 TON-FORCE TO BE FASTEST-GROWING CLAMPING FORCE SEGMENT DURING FORECAST PERIOD

TABLE 10 MICRO INJECTION MOLDING MACHINES MARKET, BY CLAMPING FORCE, 2016–2021 (USD MILLION)

TABLE 11 MICRO INJECTION MOLDING MACHINES MARKET, BY CLAMPING FORCE, 2022–2028 (USD MILLION)

7.2 0–10 TON-FORCE

7.3 10–30 TON-FORCE

7.4 30–40 TON-FORCE

8 MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 32 MEDICAL SEGMENT TO REGISTER HIGHEST CAGR DURING

FORECAST PERIOD

TABLE 12 MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 13 MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

8.2 MEDICAL

8.2.1 GROWING TREND OF MINIATURIZATION AND NANOTECHNOLOGY IN MEDICAL SECTOR TO DRIVE DEMAND

TABLE 14 MEDICAL: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 15 MEDICAL: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2022–2028 (USD MILLION)

8.3 AUTOMOTIVE

8.3.1 GROWING ADVANCED TECHNOLOGY IN AUTOMOTIVE INDUSTRY TO DRIVE DEMAND

TABLE 16 AUTOMOTIVE: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 17 AUTOMOTIVE: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2022–2028 (USD MILLION)

8.4 FIBER OPTICS

8.4.1 HIGH DEMAND FOR MOLDED COMPONENTS IN FIBER OPTICS TO DRIVE MARKET

TABLE 18 FIBER OPTICS: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 19 FIBER OPTICS: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2022–2028 (USD MILLION)

8.5 ELECTRONICS

8.5.1 RAPID TECHNOLOGICAL ADVANCEMENTS TO DRIVE NEED FOR PRECISION PARTS IN ELECTRONICS INDUSTRY

TABLE 20 ELECTRONICS: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 21 ELECTRONICS: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2022–2028 (USD MILLION)

8.6 OTHERS

TABLE 22 OTHERS: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 23 OTHERS: MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2022–2028 (USD MILLION)

9 MICRO INJECTION MOLDING MACHINES MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 33 ASIA PACIFIC TO BE FASTEST-GROWING MARKET FOR MICRO INJECTION MOLDING MACHINES

TABLE 24 MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2016–2021 (USD MILLION)

TABLE 25 MICRO INJECTION MOLDING MACHINES MARKET, BY REGION, 2022–2028 (USD MILLION)

9.2 NORTH AMERICA

9.2.1 RECESSION IMPACT

FIGURE 34 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET SNAPSHOT

9.2.2 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION

TABLE 26 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 27 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.2.3 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY

TABLE 28 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 29 NORTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2022–2028 (USD MILLION)

9.2.3.1 US

9.2.3.1.1 Growing demand from medical, automotive, electronics, and fiber optics sectors to drive market

TABLE 30 US: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 31 US: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.2.3.2 Canada

9.2.3.2.1 Rising demand from automotive, medical, and electronics applications to drive market

TABLE 32 CANADA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 33 CANADA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.2.3.3 Mexico

9.2.3.3.1 Increased production of automobiles to drive demand for micro molded parts

TABLE 34 MEXICO: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 35 MEXICO: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.3 ASIA PACIFIC

9.3.1 RECESSION IMPACT

FIGURE 35 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET SNAPSHOT

9.3.2 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION

TABLE 36 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 37 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.3.3 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY

TABLE 38 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 39 ASIA PACIFIC: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2022–2028 (USD MILLION)

9.3.3.1 China

9.3.3.1.1 Rapid industrialization and urbanization to drive demand for technologically advanced molded products

TABLE 40 CHINA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 41 CHINA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.3.3.2 Japan

9.3.3.2.1 Strongly established automotive sector to drive demand

TABLE 42 JAPAN: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 43 JAPAN: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.3.3.3 India

9.3.3.3.1 Increased disposable income and change in lifestyle to drive demand

TABLE 44 INDIA: MICRO INJECTION MOLDING MACHINES MARKET, BY

APPLICATION, 2016–2021 (USD MILLION)

TABLE 45 INDIA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.4 EUROPE

9.4.1 RECESSION IMPACT

FIGURE 36 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET SNAPSHOT

9.4.2 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION

TABLE 46 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 47 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.4.3 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY
TABLE 48 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 49 EUROPE: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2022–2028 (USD MILLION)

9.4.3.1 Germany

9.4.3.1.1 Presence of major manufacturers and suppliers of micro injection molding machines to drive market

TABLE 50 GERMANY: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 51 GERMANY: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.4.3.2 France

9.4.3.2.1 Lightweight and fuel-efficient vehicles to drive demand

TABLE 52 FRANCE: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 53 FRANCE: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.4.3.3 UK

9.4.3.3.1 Highly efficient surgical techniques in medical applications to drive demand

TABLE 54 UK: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 55 UK: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.5 MIDDLE EAST & AFRICA

9.5.1 RECESSION IMPACT

9.5.2 MIDDLE EAST & AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION

TABLE 56 MIDDLE EAST & AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 57 MIDDLE EAST & AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.5.3 MIDDLE EAST & AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY

TABLE 58 MIDDLE EAST & AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 59 MIDDLE EAST & AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2022–2028 (USD MILLION)

9.5.3.1 Saudi Arabia

9.5.3.1.1 Growing pharmaceutical and food & beverage companies to drive demand

TABLE 60 SAUDI ARABIA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 61 SAUDI ARABIA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.5.3.2 South Africa

9.5.3.2.1 Growth of several manufacturing sectors to drive demand

TABLE 62 SOUTH AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 63 SOUTH AFRICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.6 SOUTH AMERICA

9.6.1 RECESSION IMPACT

9.6.2 SOUTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION

TABLE 64 SOUTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 65 SOUTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.6.3 SOUTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY

TABLE 66 SOUTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2016–2021 (USD MILLION)

TABLE 67 SOUTH AMERICA: MICRO INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2022–2028 (USD MILLION)

9.6.3.1 Brazil

9.6.3.1.1 High usage of micro-molded, high precision parts in medical industry to drive demand

TABLE 68 BRAZIL: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 69 BRAZIL: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

9.6.3.2 Argentina

9.6.3.2.1 Increasing demand from healthcare industry to drive market

TABLE 70 ARGENTINA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2016–2021 (USD MILLION)

TABLE 71 ARGENTINA: MICRO INJECTION MOLDING MACHINES MARKET, BY APPLICATION, 2022–2028 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 72 OVERVIEW OF STRATEGIES ADOPTED BY KEY MICRO INJECTION MOLDING MACHINE MANUFACTURERS

10.3 RANKING OF KEY MARKET PLAYERS

FIGURE 37 RANKING OF TOP FIVE PLAYERS IN MICRO INJECTION MOLDING MACHINES MARKET, 2022

10.4 MARKET SHARE ANALYSIS

TABLE 73 MICRO INJECTION MOLDING MACHINES MARKET: DEGREE OF COMPETITION

FIGURE 38 SUMITOMO HEAVY INDUSTRIES LIMITED LED MICRO INJECTION MOLDING MACHINES MARKET IN 2022

FIGURE 39 REVENUE ANALYSIS OF KEY COMPANIES DURING PAST FIVE YEARS

10.5 COMPANY PRODUCT FOOTPRINT ANALYSIS

FIGURE 40 MICRO INJECTION MOLDING MACHINES MARKET: COMPANY FOOTPRINT

TABLE 74 MICRO INJECTION MOLDING MACHINES MARKET: CLAMPING FORCE FOOTPRINT

TABLE 75 MICRO INJECTION MOLDING MACHINES MARKET: APPLICATION FOOTPRINT

TABLE 76 MICRO INJECTION MOLDING MACHINES MARKET: REGION FOOTPRINT

10.6 COMPANY EVALUATION MATRIX (TIER 1), 2022

10.6.1 STARS

10.6.2 EMERGING LEADERS

10.6.3 PARTICIPANTS

10.6.4 PERVASIVE PLAYERS

FIGURE 41 COMPANY EVALUATION MATRIX FOR MICRO INJECTION MOLDING MACHINES MARKET (TIER 1)

10.7 COMPETITIVE BENCHMARKING

TABLE 77 MICRO INJECTION MOLDING MACHINES: DETAILED LIST OF KEY START-UPS/SMES

TABLE 78 MICRO INJECTION MOLDING MACHINES MARKET: COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES

10.8 START-UPS/SMES EVALUATION MATRIX, 2022

10.8.1 PROGRESSIVE COMPANIES

10.8.2 RESPONSIVE COMPANIES

10.8.3 STARTING BLOCKS

10.8.4 DYNAMIC COMPANIES

FIGURE 42 START-UP/SMES EVALUATION MATRIX FOR MICRO INJECTION MOLDING MACHINES MARKET, 2022

10.9 COMPETITIVE SITUATIONS AND TRENDS

10.9.1 PRODUCT LAUNCHES

TABLE 79 MICRO INJECTION MOLDING MACHINES MARKET: PRODUCT LAUNCHES (2019–2022)

10.9.2 DEALS

TABLE 80 MICRO INJECTION MOLDING MACHINES MARKET: DEALS (2019–2022)

10.9.3 OTHER DEVELOPMENTS

TABLE 81 MICRO INJECTION MOLDING MACHINES MARKET: OTHER DEVELOPMENTS (2019–2022)

11 COMPANY PROFILES

(Business Overview, Products/Solutions/Services offered, Recent Developments, Deals, MnM view, Right to win, Strategic choices, Weakness and competitive threats)*

11.1 MAJOR PLAYERS

11.1.1 ARBURG GMBH & CO. KG

TABLE 82 ARBURG GMBH & CO. KG: COMPANY OVERVIEW

TABLE 83 ARBURG GMBH & CO. KG: PRODUCTS OFFERED

TABLE 84 ARBURG GMBH & CO. KG: PRODUCT LAUNCHES

TABLE 85 ARBURG GMBH & CO. KG: DEALS

TABLE 86 ARBURG GMBH & CO. KG: OTHER DEVELOPMENTS

11.1.2 ENGEL AUSTRIA GMBH

TABLE 87 ENGEL AUSTRIA GMBH: COMPANY OVERVIEW

TABLE 88 ENGEL AUSTRIA GMBH: PRODUCTS OFFERED

TABLE 89 ENGEL AUSTRIA GMBH: PRODUCT LAUNCHES

TABLE 90 ENGEL AUSTRIA GMBH: OTHER DEVELOPMENTS

11.1.3 HILLENBRAND, INC.

TABLE 91 HILLENBRAND, INC: COMPANY OVERVIEW

TABLE 92 HILLENBRAND, INC.: PRODUCTS OFFERED

TABLE 93 HILLENBRAND, INC.: DEALS

11.1.4 NISSEI PLASTIC INDUSTRIAL CO., LTD.

TABLE 94 NISSEI PLASTIC INDUSTRIAL CO., LTD.: COMPANY OVERVIEW

FIGURE 43 NISSEI PLASTIC INDUSTRIAL CO., LTD.: COMPANY SNAPSHOT

TABLE 95 NISSEI PLASTIC INDUSTRIAL CO., LTD.: PRODUCTS OFFERED

TABLE 96 NISSEI PLASTIC INDUSTRIAL CO., LTD.: DEALS

11.1.5 THE JAPAN STEEL WORKS LTD.

TABLE 97 THE JAPAN STEEL WORKS LTD.: COMPANY OVERVIEW

FIGURE 44 THE JAPAN STEEL WORKS LTD.: COMPANY SNAPSHOT

TABLE 98 THE JAPAN STEEL WORKS LTD.: PRODUCTS OFFERED

TABLE 99 THE JAPAN STEEL WORKS LTD.: OTHER DEVELOPMENTS

11.1.6 SODICK CO., LTD.

TABLE 100 SODICK CO., LTD.: COMPANY OVERVIEW

FIGURE 45 SODICK CO., LTD.: COMPANY SNAPSHOT

TABLE 101 SODICK CO., LTD.: PRODUCTS OFFERED

11.1.7 SUMITOMO HEAVY INDUSTRIES, LTD.

TABLE 102 SUMITOMO HEAVY INDUSTRIES, LTD.: COMPANY OVERVIEW

FIGURE 46 SUMITOMO HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 103 SUMITOMO HEAVY INDUSTRIES, LTD.: PRODUCTS OFFERED

TABLE 104 SUMITOMO HEAVY INDUSTRIES, LTD.: PRODUCT LAUNCHES

11.1.8 BOY MACHINES, INC.

TABLE 105 BOY MACHINES, INC.: COMPANY OVERVIEW

TABLE 106 BOY MACHINES, INC.: PRODUCTS OFFERED

TABLE 107 BOY MACHINES, INC.: PRODUCT LAUNCHES

11.1.9 WITTMANN BATTENFELD GMBH

TABLE 108 WITTMANN BATTENFELD GMBH: COMPANY OVERVIEW

TABLE 109 WITTMANN BATTENFELD GMBH: PRODUCTS OFFERED

TABLE 110 WITTMANN BATTENFELD GMBH: OTHER DEVELOPMENTS

11.1.10 BABYPLAST (RAMBALDI GROUP)

TABLE 111 BABYPLAST (RAMBALDI GROUP): COMPANY OVERVIEW

TABLE 112 BABYPLAST (RAMBALDI GROUP): PRODUCTS OFFERED

*Details on Business Overview, Products/Solutions/Services offered, Recent

Developments, Deals, MnM view, Right to win, Strategic choices, Weakness and competitive threats might not be captured in case of unlisted companies.

11.2 OTHER KEY PLAYERS

11.2.1 NINGBO SHUANGSHENG PLASTIC MACHINERY CO., LTD.

TABLE 113 NINGBO SHUANGSHENG PLASTIC MACHINERY CO., LTD.: COMPANY OVERVIEW

11.2.2 ANNTONG IND. CO., LTD.

TABLE 114 ANNTONG IND. CO., LTD.: COMPANY OVERVIEW

11.2.3 KRAUSS-MAFFEI CORPORATION

TABLE 115 KRAUSS MAFFEI CORPORATION: COMPANY OVERVIEW

11.2.4 SHIBAURA MACHINE CO., LTD.

TABLE 116 SHIBAURA MACHINE CO., LTD.: COMPANY OVERVIEW

11.2.5 NINGBO CHUANGJI MACHINERY CO., LTD.

TABLE 117 NINGBO CHUANGJI MACHINERY CO., LTD.: COMPANY OVERVIEW

12 ADJACENT & RELATED MARKETS

12.1 INTRODUCTION

12.2 LIMITATION

12.3 INJECTION MOLDING MACHINES MARKET

12.3.1 MARKET DEFINITION

12.3.2 MARKET OVERVIEW

12.3.3 INJECTION MOLDING MACHINES MARKET, BY REGION

TABLE 118 INJECTION MOLDING MACHINES MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 119 INJECTION MOLDING MACHINES MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 120 INJECTION MOLDING MACHINES MARKET, BY REGION, 2017–2020 (UNIT)

TABLE 121 INJECTION MOLDING MACHINES MARKET, BY REGION, 2021–2027 (UNIT)

12.3.3.1 Asia Pacific

TABLE 122 ASIA PACIFIC: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 123 ASIA PACIFIC: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 124 ASIA PACIFIC: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (UNIT)

TABLE 125 ASIA PACIFIC: INJECTION MOLDING MACHINES MARKET, BY

COUNTRY, 2021–2027 (UNIT)**12.3.3.2 Europe**

TABLE 126 EUROPE: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 127 EUROPE: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 128 EUROPE: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (UNIT)

TABLE 129 EUROPE: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (UNIT)

12.3.3.3 North America

TABLE 130 NORTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 131 NORTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 132 NORTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (UNIT)

TABLE 133 NORTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (UNIT)

12.3.3.4 Middle East & Africa

TABLE 134 MIDDLE EAST & AFRICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 135 MIDDLE EAST & AFRICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 136 MIDDLE EAST & AFRICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (UNIT)

TABLE 137 MIDDLE EAST & AFRICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (UNIT)

12.3.3.5 South America

TABLE 138 SOUTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 139 SOUTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 140 SOUTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2017–2020 (UNIT)

TABLE 141 SOUTH AMERICA: INJECTION MOLDING MACHINES MARKET, BY COUNTRY, 2021–2027 (UNIT)

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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