

**Pharmaceutical Manufacturing Equipment Market by Equipment Type (Packaging, Mixing & Blending, Filling, Milling, Spray Drying, Inspection, Extrusion, Tablet Compression Presses), End-Product Type (Solid, Liquid) and Region - Global Forecast to 2028**

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**Report description:**

The pharmaceutical manufacturing equipment market is projected to reach USD 19.7 billion by 2028 from USD 14.5 billion in 2023, at a CAGR of 6.3% from 2023 to 2028. The major factors driving the market growth of the pharmaceutical manufacturing equipment market include increasing number of regulatory frameworks established worldwide to support innovation and safety in drugs, growing demand for generics globally, rising healthcare investment, and growing requirement for flexibility in pharmaceutical manufacturing. Emerging markets for pharmaceutical manufacturing, especially in the Middle East and Africa, is also a key factor driving the demand for technologically advanced pharmaceutical manufacturing equipment.

Packaging machines are expected to register the highest CAGR during the forecast period followed by spray drying equipment. Pharmaceutical packaging machines are critical in the drug manufacturing process as they ensure the quality and safety of medications while meeting regulatory requirements. Packaging machines equipped with serialization capabilities enable unique identification and tracking of individual pharmaceutical products, facilitating supply chain transparency and product authentication, thereby driving their demand. There is a growing emphasis on sustainable packaging practices in the pharmaceutical industry. Packaging machines that support eco-friendly packaging materials, such as recyclable or biodegradable materials, are in demand. Using pharmaceutical spray drying equipment helps ensure that the active pharmaceutical ingredient (API) is evenly distributed throughout the drug formulation and that the final product meets the required specifications for quality, purity, and potency. The efficient and precise spray drying of drug formulations is essential to produce high-quality drug products that are safe and effective for patient use, thereby driving their demand.

Liquid end-product type is expected to register the highest CAGR during the forecast period followed by solid end-product type

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Liquid end-product type covers different types of liquid dosage forms including solutions, syrups, suspensions, and emulsions, among others. There is a growing demand for syrups. They offer accurate dosage of drug in a concentrated sugar solution, thus masking the unpleasant taste and therefore being preferred, especially by the geriatric population and children. Technological advancements, extensive research and development activities, and innovation in clinical trials have allowed manufacturers to substantially enhance shelf-life of liquid dosage forms, thereby making them a feasible alternative to many solid dosage forms which have less solubility. Liquid medications have higher bioavailability compared to solid dosage forms, meaning that more of the active ingredient is absorbed into the bloodstream. This can lead to a more effective treatment and a reduced risk of side effects, which is another factor driving their demand.

Asia Pacific is expected to register the highest CAGR during forecast period followed by Europe

Industry players in Asia Pacific are working collaboratively with the government to tackle the shortages of drugs. In addition, high-rate of branded drugs and the expiry of key drug patents are also driving the demand for the adoption of generics. The governments and industry players across the region aim to improve pharmaceutical manufacturing facilities by adopting the latest pharmaceutical manufacturing equipment to serve the growing demand for drugs, eliminate drug shortages, and expand production capacities. India has the highest number of US-FDA-compliant pharma plants outside the US. It is home to over 3,000 pharma companies with a strong network of over 10,500 manufacturing facilities and a highly skilled resource pool. Furthermore, the government of India has implemented schemes, including the Production Linked Incentive (PLI) scheme to boost domestic manufacturing capacity, including high-value products across the global supply chain.

Germany was one of the top importers and exporters of pharmaceutical products in FY 2021. The presence of a favorable policy framework, a well-established healthcare system, increasing pharmaceutical R&D expenditure, and rising demand for branded and generic drugs are the major factors driving the potential of the pharmaceutical market in the country. Germany is home to several major pharmaceutical companies, including Bayer, Merck KGaA, Boehringer Ingelheim, etc. Several pharmaceutical companies indicate the presence of several major pharmaceutical manufacturing facilities in the country, boosting the adoption of pharmaceutical manufacturing equipment across the country. The French government implemented several measures to streamline the regulatory process and promote research and development. For instance, in 2023, the government will form a new dedicated committee, which will include representatives of the French pharma industry, health professionals, and patients to lay the foundations for a longer-term approach to preventing and managing supply chain issues.

The break-up of profile of primary participants in the pharmaceutical manufacturing equipment market-

-□By Company Type: Tier 1 - 40%, Tier 2 - 35%, Tier 3 - 25%

-□By Designation Type: C Level - 48%, Director Level - 33% , Others - 19%

-□By Region Type: North America - 35%, Europe - 18%, Asia Pacific - 40%, Rest of the World - 7%

The major players of pharmaceutical manufacturing equipment market are GEA Group Aktiengesellschaft (Germany), I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P. A (Italy), Syntegon Technology GmbH (Germany), ACG (India), and Thermo Fisher Scientific Inc.(US) among others.

#### Research Coverage

The report segments the pharmaceutical manufacturing equipment market and forecasts its size based on equipment type, end-product type, and region. The report also provides a comprehensive review of drivers, restraints, opportunities, and challenges influencing the market growth. The report also covers qualitative aspects in addition to the quantitative aspects of the market.

#### Reasons to buy the report:

The report will help the market leaders/new entrants in this market with information on the closest approximate revenues for the overall pharmaceutical manufacturing equipment market and related segments. This report will help stakeholders understand the competitive landscape and gain more insights to strengthen their position in the market and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

-□Analysis of key drivers (globally increasing demand for generics, rising need for flexible pharmaceutical manufacturing, and

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growing implementation of regulatory frameworks and guidelines), restraints (increasing global demand for refurbished pharmaceutical manufacturing equipment), opportunities (adoption of pharmaceutical manufacturing equipment to enable first-to-market advantages, emerging markets and increasing focus on sustainability, and integration of artificial intelligence (AI) with inspection equipment to provide better quality assurance), and challenges (rising costs and expenditures related to usage of pharmaceutical manufacturing equipment) influencing the growth of the pharmaceutical manufacturing equipment market

- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the pharmaceutical manufacturing equipment market
- Market Development: Comprehensive information about lucrative markets - the report analyses the pharmaceutical manufacturing equipment market across varied regions
- Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the pharmaceutical manufacturing equipment market
- Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players like GEA Group Aktiengesellschaft (Germany), I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P. A (Italy), Syntegon Technology GmbH (Germany), ACG (India), and Thermo Fisher Scientific Inc.(US).

**Table of Contents:**

1□INTRODUCTION□31

1.1□STUDY OBJECTIVES□31

1.2□MARKET DEFINITION□31

1.3□INCLUSIONS AND EXCLUSIONS□32

TABLE 1□PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: INCLUSIONS AND EXCLUSIONS□32

1.4□STUDY SCOPE□32

1.4.1□MARKETS COVERED□32

FIGURE 1□PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: SEGMENTATION□32

1.4.2□GEOGRAPHICAL SCOPE□33

FIGURE 2□PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: GEOGRAPHIC SEGMENTATION□33

1.4.3□YEARS CONSIDERED□33

1.5□CURRENCY CONSIDERED□34

1.6□LIMITATIONS□34

1.7□STAKEHOLDERS□34

1.8□RECESSION IMPACT□34

2□RESEARCH METHODOLOGY□35

2.1□RESEARCH DATA□35

FIGURE 3□PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: RESEARCH DESIGN□35

2.1.1□SECONDARY AND PRIMARY RESEARCH□37

2.1.2□SECONDARY DATA□37

2.1.2.1□Major secondary sources□38

2.1.2.2□Key data from secondary sources□38

2.1.3□PRIMARY DATA□38

2.1.3.1□Primary interviews with experts□39

2.1.3.2□Key data from primary sources□39

2.1.3.3□Key industry insights□40

2.1.3.4□Breakdown of primaries□40

2.2□MARKET SIZE ESTIMATION□40

FIGURE 4□MARKET SIZE ESTIMATION METHODOLOGY (SUPPLY SIDE): REVENUE GENERATED FROM PHARMACEUTICAL PACKAGING MACHINES IN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET□41

2.2.1□BOTTOM-UP APPROACH□42

2.2.1.1	Approach to arrive at market size through bottom-up analysis (demand side)	42
FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH		
2.2.2	TOP-DOWN APPROACH	43
2.2.2.1	Approach to arrive at market size through top-down analysis (supply side)	43
FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH		
2.3	MARKET BREAKDOWN AND DATA TRIANGULATION	44
FIGURE 7 DATA TRIANGULATION		
2.4	RESEARCH ASSUMPTIONS	45
FIGURE 8 ASSUMPTIONS FOR RESEARCH STUDY		
2.5	PARAMETERS CONSIDERED TO ANALYZE RECESSION IMPACT	46
2.6	RESEARCH LIMITATIONS AND RISK ASSESSMENT	46
TABLE 2 LIMITATIONS AND ASSOCIATED RISKS		
3	EXECUTIVE SUMMARY	47
FIGURE 9 PACKAGING MACHINES TO HOLD DOMINANT SHARE OF MARKET		
FIGURE 10 LIQUID END PRODUCT TYPE TO CLAIM LARGEST SHARE IN MARKET		
FIGURE 11 ASIA PACIFIC HELD LARGEST SHARE OF PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN 2022		
4	PREMIUM INSIGHTS	50
4.1	ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET	50
FIGURE 12 RISING DEMAND FOR GENERICS AND GROWING NECESSITY FOR FLEXIBLE PHARMACEUTICAL MANUFACTURING TO PROVIDE OPPORTUNITIES FOR PLAYERS IN MARKET		
4.2	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE	51
FIGURE 13 PACKAGING MACHINES TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD		
4.3	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY END-PRODUCT TYPE	51
FIGURE 14 LIQUID SEGMENT TO EXHIBIT HIGHEST CAGR DURING FORECAST PERIOD		
4.4	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY	52
FIGURE 15 US TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD		
5	MARKET OVERVIEW	53
5.1	INTRODUCTION	53
5.2	MARKET DYNAMICS	53
FIGURE 16 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES		
5.2.1	DRIVERS	54
5.2.1.1	Rising demand for generics	54
5.2.1.2	Need for flexible pharmaceutical manufacturing	54
5.2.1.3	Growing implementation and adoption of regulatory guidelines	54
FIGURE 17 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: IMPACT ANALYSIS OF DRIVERS		
5.2.2	RESTRAINTS	56
5.2.2.1	Demand for refurbished equipment	56
FIGURE 18 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: IMPACT ANALYSIS OF RESTRAINTS		
5.2.3	OPPORTUNITIES	57
5.2.3.1	Adoption of pharmaceutical manufacturing equipment to enable first-to-market advantages	57
5.2.3.2	Integration of artificial intelligence with inspection equipment to provide better quality assurance	57
5.2.3.3	Emerging markets and increased focus on sustainability	57
FIGURE 19 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: IMPACT ANALYSIS OF OPPORTUNITIES		
5.2.4	CHALLENGES	58
5.2.4.1	Rising costs and expenditures related to usage of pharmaceutical manufacturing equipment	58
FIGURE 20 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: IMPACT ANALYSIS OF CHALLENGES		

### 5.3 VALUE CHAIN ANALYSIS 59

FIGURE 21 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: VALUE CHAIN ANALYSIS 59

### 5.4 ECOSYSTEM MAPPING 61

FIGURE 22 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: ECOSYSTEM ANALYSIS 61

TABLE 3 COMPANIES AND THEIR ROLE IN PHARMACEUTICAL MANUFACTURING EQUIPMENT ECOSYSTEM 61

### 5.5 PRICING ANALYSIS 62

5.5.1 COMPANY-WISE AVERAGE SELLING PRICE OF PHARMACEUTICAL MANUFACTURING EQUIPMENT, BY EQUIPMENT TYPE 62

TABLE 4 AVERAGE SELLING PRICE OF PHARMACEUTICAL MANUFACTURING EQUIPMENT, BY EQUIPMENT TYPE 62

FIGURE 23 AVERAGE SELLING PRICE OF PHARMACEUTICAL MANUFACTURING EQUIPMENT BY KEY PLAYERS, BY EQUIPMENT TYPE (USD) 63

TABLE 5 AVERAGE SELLING PRICE OF PHARMACEUTICAL MANUFACTURING EQUIPMENT OFFERED BY THREE GLOBAL PLAYERS, BY EQUIPMENT TYPE 63

TABLE 6 AVERAGE SELLING PRICE OF PHARMACEUTICAL PACKAGING MACHINE, BY REGION 64

FIGURE 24 AVERAGE SELLING PRICE OF PHARMACEUTICAL PACKAGING MACHINE, 2019-2028 64

### 5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS 65

FIGURE 25 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS 65

### 5.7 TECHNOLOGY ANALYSIS 65

5.7.1 INDUSTRY 4.0 65

5.7.2 COMPUTER VISION 65

5.7.3 RADIO FREQUENCY IDENTIFICATION 66

### 5.8 PORTER'S FIVE FORCES ANALYSIS 66

FIGURE 26 PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: PORTER'S FIVE FORCES ANALYSIS 66

5.8.1 BARGAINING POWER OF SUPPLIERS 67

5.8.2 BARGAINING POWER OF BUYERS 67

5.8.3 THREAT OF NEW ENTRANTS 67

5.8.4 THREAT OF SUBSTITUTES 67

5.8.5 INTENSITY OF COMPETITIVE RIVALRY 67

### 5.9 KEY STAKEHOLDERS AND BUYING CRITERIA 68

5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS 68

FIGURE 27 INFLUENCE OF STAKEHOLDERS IN PHARMACEUTICAL INDUSTRY ON BUYING PROCESS 68

TABLE 7 INFLUENCE OF STAKEHOLDERS IN TOP THREE END-USER INDUSTRIES ON BUYING PROCESS 68

5.9.2 BUYING CRITERIA 69

FIGURE 28 KEY BUYING CRITERIA FOR PHARMACEUTICAL INDUSTRY 69

TABLE 8 KEY BUYING CRITERIA OF TOP THREE INDUSTRIES 69

### 5.10 CASE STUDIES 69

TABLE 9 ALCAMI CORPORATION CHOOSES SYNTEGON TO INCREASE ITS VIAL FILLING FLEXIBILITY 69

TABLE 10 LEADING MANUFACTURER OF GENERIC DRUG PRODUCTS IN RUSSIA CHOOSES GEA GROUP TO EXPAND THEIR REACH AND INTEGRATE ADVANCED MANUFACTURING EQUIPMENT 70

TABLE 11 CDM LAVOISIER ADOPTS SYNTEGON AIM 3000 FOR INSPECTION OF 30 DIFFERENT PRODUCTS ON FOUR PACKAGING FORMATS 70

### 5.11 TRADE ANALYSIS 71

FIGURE 29 IMPORT DATA FOR MACHINERY FOR FILLING, CLOSING, SEALING, OR LABELLING BOTTLES, CANS, BOXES, BAGS, OR OTHER CONTAINERS; MACHINERY FOR CAPSULING BOTTLES, JARS, TUBES, AND SIMILAR CONTAINERS; MACHINERY FOR AERATING BEVERAGES, 2017-2021 (USD MILLION) 71

FIGURE 30 EXPORT DATA FOR MACHINERY FOR FILLING, CLOSING, SEALING, OR LABELLING BOTTLES, CANS, BOXES, BAGS, OR OTHER CONTAINERS; MACHINERY FOR CAPSULING BOTTLES, JARS, TUBES, AND SIMILAR CONTAINERS; MACHINERY FOR AERATING BEVERAGES, 2017-2021 (USD MILLION) 72

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5.12	PATENT ANALYSIS	73
5.12.1	LIST OF MAJOR PATENTS	74
TABLE 12	KEY PATENTS IN AREA OF PHARMACEUTICAL MANUFACTURING EQUIPMENT	74
5.13	KEY CONFERENCES AND EVENTS, 2022-2023	75
TABLE 13	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: REGION-WISE CONFERENCES AND EVENTS	75
5.14	REGULATIONS AND STANDARDS	76
5.14.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	76
TABLE 14	NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	76
TABLE 15	EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	77
TABLE 16	ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	77
TABLE 17	ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	78
5.14.2	STANDARDS	78
TABLE 18	STANDARDS FOLLOWED BY MANUFACTURERS OF PHARMACEUTICAL MANUFACTURING EQUIPMENT	78
6	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE	79
6.1	INTRODUCTION	80
FIGURE 31	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE	80
FIGURE 32	PACKAGING MACHINES TO LEAD MARKET THROUGHOUT FORECAST PERIOD	81
TABLE 19	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	81
TABLE 20	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	82
6.2	PACKAGING MACHINES	82
6.2.1	RIISING NECESSITY FOR ENSURING PROTECTION AGAINST DAMAGE AND CONTAMINATION	82
TABLE 21	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	83
TABLE 22	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	83
TABLE 23	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION)	83
TABLE 24	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION)	84
TABLE 25	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION)	84
TABLE 26	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION)	84
TABLE 27	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION)	85
TABLE 28	PACKAGING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION)	85
6.3	FILLING MACHINES	85
6.3.1	GROWING DEMAND FOR ENSURING PRECISION FILLING OF DRUG FORMULATIONS	85
TABLE 29	FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	86
TABLE 30	FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	86
TABLE 31	FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION)	87
TABLE 32	FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION)	87
TABLE 33	FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION)	87

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TABLE 34 FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION) 88

TABLE 35 FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION) 88

TABLE 36 FILLING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION) 88

6.4 SPRAY DRYING EQUIPMENT 89

6.4.1 GROWING NECESSITY FOR HIGH-QUALITY DRUGS 89

TABLE 37 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION) 89

TABLE 38 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION) 90

TABLE 39 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION) 90

TABLE 40 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION) 90

TABLE 41 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION) 91

TABLE 42 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION) 91

TABLE 43 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION) 91

TABLE 44 SPRAY DRYING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION) 92

6.5 MIXING AND BLENDING MACHINES 92

6.5.1 DEMAND TO MAINTAIN UNIFORMITY OF DRUG FORMULATIONS FOR HOMOGENEITY TO DRIVE MARKET 92

TABLE 45 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION) 93

TABLE 46 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION) 93

TABLE 47 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION) 93

TABLE 48 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION) 94

TABLE 49 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION) 94

TABLE 50 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION) 94

TABLE 51 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION) 95

TABLE 52 MIXING AND BLENDING MACHINES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION) 95

6.6 MILLING EQUIPMENT 95

6.6.1 RISING NECESSITY TO IMPROVE SOLUBILITY OF DRUGS 95

TABLE 53 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION) 96

TABLE 54 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD

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MILLION) 96

TABLE 55 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION) 96

TABLE 56 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION) 97

TABLE 57 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION) 97

TABLE 58 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION) 97

TABLE 59 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION) 98

TABLE 60 MILLING EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION) 98

6.7 EXTRUSION EQUIPMENT 98

6.7.1 NECESSITY FOR DEVELOPING DRUGS IN EFFECTIVE SHAPES AND MAINTAINING PROPER DRUG FORMULATION 98

TABLE 61 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION) 99

TABLE 62 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION) 99

TABLE 63 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION) 100

TABLE 64 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION) 100

TABLE 65 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION) 100

TABLE 66 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION) 101

TABLE 67 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION) 101

TABLE 68 EXTRUSION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION) 101

6.8 TABLET COMPRESSION PRESSES 102

6.8.1 RISING DEMAND TO PRODUCE LARGE BATCHES OF TABLETS QUICKLY 102

TABLE 69 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION) 102

TABLE 70 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION) 103

TABLE 71 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION) 103

TABLE 72 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION) 103

TABLE 73 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION) 104

TABLE 74 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION) 104

TABLE 75 TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION) 104

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TABLE 76	TABLET COMPRESSION PRESSES: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION)	105
6.9	INSPECTION EQUIPMENT	105
6.9.1	RIISING DEMAND TO ADHERE TO QUALITY STANDARDS	105
TABLE 77	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	106
TABLE 78	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	106
TABLE 79	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2019-2022 (USD MILLION)	106
TABLE 80	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2023-2028 (USD MILLION)	107
TABLE 81	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2019-2022 (USD MILLION)	107
TABLE 82	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN EUROPE, BY COUNTRY, 2023-2028 (USD MILLION)	107
TABLE 83	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2019-2022 (USD MILLION)	108
TABLE 84	INSPECTION EQUIPMENT: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ASIA PACIFIC, BY COUNTRY, 2023-2028 (USD MILLION)	108
7	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY END-PRODUCT TYPE	109
7.1	INTRODUCTION	110
FIGURE 33	LIQUID END-PRODUCT TYPE TO HOLD LARGER MARKET SHARE THROUGHOUT FORECAST PERIOD	110
TABLE 85	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY END-PRODUCT TYPE, 2019-2022 (USD MILLION)	110
TABLE 86	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY END-PRODUCT TYPE, 2023-2028 (USD MILLION)	111
7.2	SOLID	111
7.2.1	RIISING DEMAND FOR TABLETS	111
7.3	LIQUID	112
7.3.1	EASE OF ADMINISTRATION AND HIGH SOLUBILITY	112
8	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION	113
8.1	INTRODUCTION	114
FIGURE 34	INDIA TO REGISTER HIGHEST CAGR IN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET DURING FORECAST PERIOD	114
FIGURE 35	ASIA PACIFIC TO ACCOUNT FOR LARGEST SHARE OF PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET DURING FORECAST PERIOD	115
TABLE 87	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	115
TABLE 88	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	115
8.2	NORTH AMERICA	116
FIGURE 36	NORTH AMERICA: SNAPSHOT OF PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET	117
FIGURE 37	US TO REGISTER HIGHEST CAGR IN NORTH AMERICAN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET DURING FORECAST PERIOD	118
TABLE 89	NORTH AMERICA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	118
TABLE 90	NORTH AMERICA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	118
TABLE 91	US: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	119
TABLE 92	US: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	119
TABLE 93	CANADA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	120
TABLE 94	CANADA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	120

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TABLE 95	MEXICO: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	121
TABLE 96	MEXICO: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	121
TABLE 97	NORTH AMERICA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	122
TABLE 98	NORTH AMERICA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	122
8.2.1	US	123
8.2.1.1	Stringent regulatory framework and growing demand for innovative drugs	123
8.2.2	CANADA	123
8.2.2.1	Establishment of new drug development facilities and government measures	123
8.2.3	MEXICO	124
8.2.3.1	Development of pharmaceutical manufacturing units by global players	124
8.3	EUROPE	124
FIGURE 38	EUROPE: SNAPSHOT OF PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET	125
FIGURE 39	GERMANY TO REGISTER HIGHEST CAGR IN EUROPEAN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET DURING FORECAST PERIOD	126
TABLE 99	EUROPE: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	126
TABLE 100	EUROPE: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	126
TABLE 101	UK: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	127
TABLE 102	UK: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	127
TABLE 103	GERMANY: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	128
TABLE 104	GERMANY: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	128
TABLE 105	FRANCE: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	129
TABLE 106	FRANCE: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	129
TABLE 107	ITALY: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	130
TABLE 108	ITALY: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	130
TABLE 109	EUROPE: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	131
TABLE 110	EUROPE: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	131
8.3.1	UK	132
8.3.1.1	Strong pharmaceutical manufacturing sector	132
8.3.2	GERMANY	132
8.3.2.1	Presence of major pharmaceutical players	132
8.3.3	FRANCE	132
8.3.3.1	Growing demand for generics	132
8.3.4	ITALY	133
8.3.4.1	Growing government support	133
8.3.5	REST OF EUROPE	133
8.4	ASIA PACIFIC	134
FIGURE 40	ASIA PACIFIC: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET SNAPSHOT	135
FIGURE 41	INDIA TO REGISTER HIGHEST CAGR IN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET DURING FORECAST PERIOD	136
TABLE 111	ASIA PACIFIC: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	136
TABLE 112	ASIA PACIFIC: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	136
TABLE 113	CHINA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	137
TABLE 114	CHINA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	137

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TABLE 115	JAPAN: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	138
TABLE 116	JAPAN: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	138
TABLE 117	INDIA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	139
TABLE 118	INDIA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	139
TABLE 119	SOUTH KOREA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	140
TABLE 120	SOUTH KOREA: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	140
TABLE 121	ASIA PACIFIC: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	141
TABLE 122	ASIA PACIFIC: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	141
8.4.1	CHINA	142
8.4.1.1	Growing contract pharmaceutical manufacturing	142
8.4.2	JAPAN	142
8.4.2.1	Collaboration of associations and industry players to eliminate drug shortages	142
8.4.3	INDIA	143
8.4.3.1	Establishment of new pharmaceutical manufacturing units	143
8.4.4	SOUTH KOREA	143
8.4.4.1	Increasing government initiatives to support market growth	143
8.4.5	REST OF ASIA PACIFIC	143
8.5	REST OF THE WORLD	144
FIGURE 42	SOUTH AMERICA TO DOMINATE PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ROW DURING FORECAST PERIOD	144
TABLE 123	ROW: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	144
TABLE 124	ROW: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET IN ROW, BY REGION, 2023-2028 (USD MILLION)	145
TABLE 125	ROW: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2019-2022 (USD MILLION)	145
TABLE 126	ROW: PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET, BY EQUIPMENT TYPE, 2023-2028 (USD MILLION)	145
8.5.1	MIDDLE EAST & AFRICA	146
8.5.1.1	Growing regulatory environment	146
8.5.2	SOUTH AMERICA	146
8.5.2.1	Growing pharmaceutical manufacturing infrastructure	146
9	COMPETITIVE LANDSCAPE	147
9.1	OVERVIEW	147
TABLE 127	OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET	147
9.2	REVENUE ANALYSIS OF TOP FIVE PLAYERS	149
FIGURE 43	PHARMACEUTICAL PACKAGING EQUIPMENT MARKET: MARKET SHARE ANALYSIS (2022)	149
9.3	MARKET SHARE ANALYSIS, 2022	149
TABLE 128	PHARMACEUTICAL PACKAGING EQUIPMENT MARKET: MARKET SHARE OF KEY COMPANIES	150
FIGURE 44	PHARMACEUTICAL PACKAGING EQUIPMENT MARKET: MARKET SHARE ANALYSIS	150
9.4	COMPANY EVALUATION QUADRANT	152
9.4.1	STARS	152
9.4.2	EMERGING LEADERS	152
9.4.3	PERVASIVE PLAYERS	152
9.4.4	PARTICIPANTS	152
FIGURE 45	PHARMACEUTICAL PACKAGING EQUIPMENT MARKET: COMPANY EVALUATION QUADRANT, 2022	153
9.5	SMALL- AND MEDIUM-SIZED ENTERPRISES EVALUATION QUADRANT, 2022	154

9.5.1	PROGRESSIVE COMPANIES	154
9.5.2	RESPONSIVE COMPANIES	154
9.5.3	DYNAMIC COMPANIES	154
9.5.4	STARTING BLOCKS	154
FIGURE 46	PHARMACEUTICAL PACKAGING EQUIPMENT MARKET (GLOBAL): SME EVALUATION QUADRANT, 2022	155
9.6	PHARMACEUTICAL PACKAGING EQUIPMENT MARKET: COMPANY FOOTPRINT	156
TABLE 129	COMPANY FOOTPRINT	156
TABLE 130	PRIMARY PACKAGING EQUIPMENT: COMPANY FOOTPRINT	157
TABLE 131	SECONDARY PACKAGING EQUIPMENT: COMPANY FOOTPRINT	158
TABLE 132	TYPE: COMPANY FOOTPRINT	159
TABLE 133	REGION: COMPANY FOOTPRINT	161
9.7	COMPETITIVE BENCHMARKING	162
TABLE 134	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: DETAILED LIST OF KEY STARTUPS/SMES	162
TABLE 135	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES	163
9.8	COMPETITIVE SITUATIONS AND TRENDS	165
9.8.1	PRODUCT LAUNCHES	165
TABLE 136	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: PRODUCT LAUNCHES, APRIL 2020-JANUARY 2023	165
9.8.2	DEALS	166
TABLE 137	PHARMACEUTICAL MANUFACTURING EQUIPMENT MARKET: DEALS, JANUARY 2021-MARCH 2023	166
10	COMPANY PROFILES	169
(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*		
10.1	KEY PLAYERS	169
10.1.1	GEA GROUP AKTIENGESELLSCHAFT	169
TABLE 138	GEA GROUP AKTIENGESELLSCHAFT: COMPANY OVERVIEW	169
FIGURE 47	GEA GROUP AKTIENGESELLSCHAFT: COMPANY SNAPSHOT	170
TABLE 139	GEA GROUP AKTIENGESELLSCHAFT: PRODUCTS/SOLUTIONS/SERVICES OFFERED	170
TABLE 140	GEA GROUP AKTIENGESELLSCHAFT: PRODUCT LAUNCHES & DEVELOPMENTS	171
TABLE 141	GEA GROUP AKTIENGESELLSCHAFT: DEALS	172
10.1.2	I.M.A INDUSTRIA MACCHINE AUTOMATICHE S.P.A	173
TABLE 142	I.M.A INDUSTRIA MACCHINE AUTOMATICHE S.P.A : COMPANY OVERVIEW	173
TABLE 143	I.M.A INDUSTRIA MACCHINE AUTOMATICHE S.P.A: PRODUCT/SOLUTIONS/SERVICES OFFERED	173
10.1.3	SYNTEGON TECHNOLOGY GMBH	176
TABLE 144	SYNTEGON TECHNOLOGY GMBH: COMPANY OVERVIEW	176
TABLE 145	SYNTEGON TECHNOLOGY GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED	177
TABLE 146	SYNTEGON TECHNOLOGY GMBH: PRODUCT LAUNCHES	178
TABLE 147	SYNTEGON TECHNOLOGY GMBH: DEALS	178
10.1.4	ACG	180
TABLE 148	ACG: COMPANY OVERVIEW	180
TABLE 149	ACG: PRODUCTS/SOLUTIONS/SERVICES OFFERED	180
10.1.5	THERMO FISHER SCIENTIFIC INC.	183
TABLE 150	THERMO FISHER SCIENTIFIC: COMPANY OVERVIEW	183
FIGURE 48	THERMO FISHER SCIENTIFIC INC.: COMPANY SNAPSHOT	184
TABLE 151	THERMO FISHER SCIENTIFIC INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED	184
TABLE 152	THERMO FISHER SCIENTIFIC INC.: DEALS	185
10.1.6	ROMACO GROUP	187
TABLE 153	ROMACO GROUP: COMPANY OVERVIEW	187

TABLE 154	ROMACO GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED	187
TABLE 155	ROMACO GROUP: PRODUCT LAUNCHES	188
TABLE 156	ROMACO GROUP: DEALS	189
10.1.7	KORBER AG	190
TABLE 157	KORBER AG: COMPANY OVERVIEW	190
FIGURE 49	KORBER AG: COMPANY SNAPSHOT	191
TABLE 158	KORBER AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED	191
TABLE 159	KORBER AG: DEALS	192
10.1.8	MARCHESINI GROUP	193
TABLE 160	MARCHESINI GROUP: COMPANY OVERVIEW	193
TABLE 161	MARCHESINI GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED	193
TABLE 162	MARCHESINI GROUP: PRODUCT LAUNCHES	194
TABLE 163	MARCHESINI GROUP: DEALS	195
10.1.9	MG2 S.R.L.	196
TABLE 164	MG2 S.R.L.: COMPANY OVERVIEW	196
TABLE 165	MG2 S.R.L.: PRODUCTS/SOLUTIONS/SERVICES OFFERED	196
TABLE 166	MG2 S.R.L.: PRODUCT LAUNCHES	197
10.1.10	GLATT GMBH	198
TABLE 167	GLATT GMBH: COMPANY OVERVIEW	198
TABLE 168	GLATT GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED	199
10.2	OTHER PLAYERS	200
10.2.1	BAKER PERKINS	200
TABLE 169	BAKER PERKINS: COMPANY OVERVIEW	200
10.2.2	BAUSCH+STROBEL	201
TABLE 170	BAUSCH+ STROBEL: COMPANY OVERVIEW	201
10.2.3	COPERION	202
TABLE 171	COPERION: COMPANY OVERVIEW	202
10.2.4	ELIZABETH COMPANIES	203
TABLE 172	ELIZABETH COMPANIES: COMPANY OVERVIEW	203
10.2.5	FETTE COMPACTING	203
TABLE 173	FETTE COMPACTING: COMPANY OVERVIEW	203
10.2.6	FREUND-VECTOR	204
TABLE 174	FREUND-VECTOR: COMPANY OVERVIEW	204
10.2.7	KORSCH	205
TABLE 175	KORSCH: COMPANY OVERVIEW	205
10.2.8	L.B. BOHLE	206
TABLE 176	L.B. BOHLE: COMPANY OVERVIEW	206
10.2.9	LFA MACHINES	206
TABLE 177	LFA MACHINES: COMPANY OVERVIEW	206
10.2.10	CVC TECHNOLOGIES, INC.	207
TABLE 178	CVC TECHNOLOGIES, INC.: COMPANY OVERVIEW	207
10.2.11	OHARA TECHNOLOGIES	207
TABLE 179	OHARA TECHNOLOGIES: COMPANY OVERVIEW	207
10.2.12	PRISM PHARMA MACHINERY	208
TABLE 180	PRISM PHARMA MACHINERY: COMPANY OVERVIEW	208
10.2.13	SAINTYCO	209
TABLE 181	SAINTYCO: COMPANY OVERVIEW	209

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10.2.14	SILVERSON	209
TABLE 182	SILVERSON: COMPANY OVERVIEW	209
10.2.15	YENCHEN MACHINERY	210
TABLE 183	YENCHEN MACHINERY: COMPANY OVERVIEW	210
*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)* might not be captured in case of unlisted companies.		
11	ADJACENT AND RELATED MARKETS	211
11.1	INTRODUCTION	211
11.2	LIMITATIONS	211
11.3	SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY SUPPLY CHAIN PARTICIPANT	212
11.3.1	INTRODUCTION	212
TABLE 184	SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY SUPPLY CHAIN PARTICIPANT, 2019-2022 (USD MILLION)	212
TABLE 185	SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY SUPPLY CHAIN PARTICIPANT, 2023-2028 (USD MILLION)	212
11.4	IDM FIRMS	213
11.4.1	FOCUS ON SEMICONDUCTOR DESIGN AND PRODUCTION AND HAVE INTERNAL CAPABILITY TO PERFORM BOTH	213
TABLE 186	IDM FIRMS: SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	213
TABLE 187	IDM FIRMS: SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	214
11.5	OSAT COMPANIES	214
11.5.1	LESS INVESTMENTS AND ATTRACTIVE REVENUE FOSTER GROWTH OF OSAT COMPANIES	214
TABLE 188	OSAT COMPANIES: SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	215
TABLE 189	OSAT COMPANIES: SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	215
11.6	FOUNDRIES	215
11.6.1	INCREASED SEMICONDUCTOR OUTSOURCING BY FABLESS COMPANIES	215
TABLE 190	FOUNDRIES: SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY REGION, 2019-2022 (USD MILLION)	216
TABLE 191	FOUNDRIES: SEMICONDUCTOR MANUFACTURING EQUIPMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	216
12	APPENDIX	217
12.1	INSIGHTS FROM INDUSTRY EXPERTS	217
12.2	DISCUSSION GUIDE	218
12.3	KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL	221
12.4	CUSTOMIZATION OPTIONS	223
12.5	RELATED REPORTS	223
12.6	AUTHOR DETAILS	224

**Pharmaceutical Manufacturing Equipment Market by Equipment Type (Packaging, Mixing & Blending, Filling, Milling, Spray Drying, Inspection, Extrusion, Tablet Compression Presses), End-Product Type (Solid, Liquid) and Region - Global Forecast to 2028**

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