

Metal Stamping Market by Process (Embossing, Blanking, Bending, Coining, Flanging), Material Thickness (=0.4mm, >0.4mm), Press Type (Hydraulic Press, Mechanical Press, Servo Press), Material, End-Use Industry, Region - Trends and Forecast to 2028

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Report description:

The metal stamping market is projected to grow from USD 213.8 billion in 2023 to USD 257.1 billion by 2028, at a CAGR of 3.7% during the forecast period. The growing population, rising per capita income, rapid industrialization, and infrastructural development have led to the growth of the automotive and construction industry, thereby driving the demand for metal stamped components.

By Process, Blanking process accounted for the highest CAGR during the forecast period

Out of the five process types (embossing, blanking, bending, coining, flanging), blanking has the largest market share and is the fastest growing segment during the forecast period. This process is automated, large quantities can be produced quickly and efficiently. Furthermore, because the process only removes material from the sheet or coil's edges, it produces very little waste, making it an environmentally friendly manufacturing method. The blanking process is an essential tool for metal stamping manufacturers, allowing them to quickly and efficiently produce high-quality, uniform parts. Some of the major applications of the blanking process are making medals, computer parts, precision tools, automotive parts, cutlery, and power tools.

By Material, Steel material accounted for the highest CAGR during the forecast period

Out of the three material (steel, aluminum, copper), steel has the largest market share and is the fastest growing segment during the forecast period. Market growth is driven by the rising demand for metal-stamped steel products in automobiles, appliances, and electronics. Technological advancements have resulted in new steel alloys and manufacturing methods that improve strength, durability, and cost-effectiveness. As a result, manufacturers increasingly incorporate steel into their products, which may drive demand in the metal stamping market.

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By Material thickness, ≥0.4 mm accounted for the highest CAGR during the forecast period

Out of the two material thickness types (≥0.4 mm and <0.4 mm), ≥0.4 mm is the fastest growing segment during the forecast period. ≥0.4 mm delivers high strength, flexibility, and precision to create complex and precise parts. Thin-gauge materials are used in various metal stamping applications, including producing parts like battery contacts, circuit board components, and other small, precision components for electronic devices such as laptops, smartphones, and tablets. They find demand in the automotive industry, especially for interior components such as door panels, dashboard trim, and other decorative elements; the aerospace industry, for lightweight aircraft components such as ducts, housings, and brackets; and the medical industry, for surgical instruments, implants, and other medical devices.

By Press type, Mechanical press accounted for the highest CAGR during the forecast period

Out of the three press types (mechanical, hydraulic and servo), mechanical press has the largest market share and is the fastest growing segment during the forecast period. Mechanical presses are preferred for metal stamping due to their high speed, consistency, accuracy, low maintenance, and cost-effectiveness. They can operate at high speeds, deliver a consistent amount of force with each stroke, and provide precise control over stamping location and depth. Furthermore, mechanical presses are less expensive and require less maintenance than hydraulic presses.

By End-Use Industry, Medical accounted for the highest CAGR during the forecast period

Out of the seven end-use industries (automotive, industrial machinery, construction, electricals & electronics, aerospace, telecommunication and medical), medical is the fastest growing segment during the forecast period. Growing aging population, increasing access to healthcare, increasing healthcare expenditure and advancement in medical technology are some of the factors that will help the market to grow. In medical application, Implants to grow at a highest CAGR during the forecast period.

North America is projected to account for the highest CAGR in the metal stamping market during the forecast period

North America has traditionally been one of the major markets for metal stamping. Globally, North America has been a leader in product innovation in terms of quality and applications. The US is the most dominant country in the North American metal stamping market. The US dominated the North American metal stamping market. The key companies producing metal-stamped components in North America include Arconic Corporation, Clow Stamping Company, Wiegel Tool Works, Inc., and American Axle & Manufacturing Holdings, Inc. These companies account for a prominent share of the global market.

Further in-depth interviews were conducted with the Chief Experience Officer (CXO), Managers, Marketing Officers, Production Officers, and other related key executives from various key companies and organizations operating in the metal stamping market.

By Department: Sales/Export/ Marketing: 60%, CXOs: 25%, Production: 15%

By Designation: C-Level Executives: 5%, CXOs: 25%, and Managers: 70%

By Region: North America: 30%, Europe: 15%, Asia Pacific: 40%, South America: 5% and Middle East & Africa: 10%.

Companies Covered: Gestamp Automocion, S.A. (Spain), Arconic Corporation (US), American Axle & Manufacturing Holdings, Inc. (US), CIE Automotive S.A. (Spain), Interplex Holdings Pte. Ltd. (Singapore), AAPICO Hitech Public Company Limited (Thailand), Clow Stamping Company (US), Wiegel Tool Works, Inc. (US), Harvey Vogel Manufacturing Co. (US), ACRO Metal Stamping (US), Boker's, Inc. (US), and Kenmode, Inc. (US) and others.

Research Coverage

The market study covers the metal stamping market across various segments. It aims at estimating the market size and the growth potential of this market across different segments based on end-use, process, material, material thickness, press, and region. The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position in the metal stamping market.

Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall metal stamping market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims at helping stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities.

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Table of Contents:

1	INTRODUCTION	20
1.1	STUDY OBJECTIVES	20
1.2	MARKET DEFINITION	20
1.2.1	INCLUSIONS AND EXCLUSIONS	20
1.3	MARKET SCOPE	21
1.3.1	MARKET SEGMENTATION	21
1.3.2	YEARS CONSIDERED	21
1.4	CURRENCY CONSIDERED	22
1.5	LIMITATIONS	22
1.6	STAKEHOLDERS	22
2	RESEARCH METHODOLOGY	23
2.1	RESEARCH DATA	23
FIGURE 1	METAL STAMPING MARKET: RESEARCH DESIGN	23
2.1.1	SECONDARY DATA	24
2.1.1.1	Key data from secondary sources	24
2.1.2	PRIMARY DATA	25
2.1.2.1	Key data from primary sources	25
2.1.2.2	Key primary insights	26
FIGURE 2	LIST OF STAKEHOLDERS INVOLVED AND BREAKDOWN OF PRIMARY INTERVIEWS	27
2.2	MARKET SIZE ESTIMATION	27
FIGURE 3	MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH	28
FIGURE 4	MARKET SIZE ESTIMATION: TOP-DOWN APPROACH	28
FIGURE 5	MARKET SIZE ESTIMATION: SUPPLY SIDE	29
2.3	DATA TRIANGULATION	30
FIGURE 6	METAL STAMPING MARKET: DATA TRIANGULATION	30
2.4	RECESSION IMPACT ANALYSIS	31
2.5	RESEARCH ASSUMPTIONS	31
2.6	RESEARCH LIMITATIONS	31
2.7	GROWTH RATE ASSUMPTIONS	32
3	EXECUTIVE SUMMARY	33
FIGURE 7	BLANKING TO SHOW HIGHEST GROWTH IN METAL STAMPING MARKET, BY PROCESS	34
FIGURE 8	STEEL TO DOMINATE METAL STAMPING MATERIALS MARKET OVER FORECAST PERIOD	34
FIGURE 9	0.4 MM MATERIAL THICKNESS TO SHOW HIGHEST GROWTH DURING FORECAST PERIOD	35
FIGURE 10	MECHANICAL PRESS TO DOMINATE PRESS TYPE MARKET TILL 2028	35
FIGURE 11	ASIA PACIFIC TO DOMINATE GLOBAL METAL STAMPING MARKET	36
4	PREMIUM INSIGHTS	37
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN METAL STAMPING MARKET	37
FIGURE 12	RIISING DEMAND FOR LIGHTWEIGHT AND HIGH-STRENGTH METAL COMPONENTS IN AUTOMOTIVE INDUSTRY TO DRIVE METAL STAMPING MARKET	37
4.2	ASIA PACIFIC METAL STAMPING MARKET, BY MATERIAL TYPE AND COUNTRY, 2022	37
FIGURE 13	CHINA ACCOUNTED FOR LARGEST MARKET SHARE	37
4.3	METAL STAMPING MARKET, BY END-USE INDUSTRY	38
FIGURE 14	MEDICAL END-USE INDUSTRY TO REGISTER HIGHEST CAGR	38
4.4	MEDICAL METAL STAMPING MARKET, BY APPLICATION	38
FIGURE 15	IMPLANTS TO ACCOUNT FOR LARGEST MARKET SHARE	38
4.5	METAL STAMPING MARKET, BY COUNTRY	39

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FIGURE 16 INDIA TO BE FASTEST-GROWING MARKET 39

5 MARKET OVERVIEW 40

5.1 INTRODUCTION 40

5.2 MARKET DYNAMICS 40

FIGURE 17 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: METAL STAMPING MARKET 40

5.2.1 DRIVERS 41

5.2.1.1 Growing demand for lightweight materials 41

5.2.1.2 Growing adoption of automation 41

5.2.1.3 Technological advancements 41

5.2.1.4 Growing demand for high-quality, precision parts in end-use industries 42

5.2.2 RESTRAINTS 43

5.2.2.1 Trade policies and tariffs 43

5.2.2.2 Fluctuating raw material prices 43

5.2.3 OPPORTUNITIES 43

5.2.3.1 Infrastructural development 43

5.2.3.2 Industrialization and urbanization in emerging economies 44

5.2.3.3 Increasing scope of metal stamping in medical industry 45

5.2.4 CHALLENGES 45

5.2.4.1 Issues caused by lightweight material usage 45

5.2.4.2 Global semiconductor shortage 45

5.2.4.3 Lack of standardization 46

5.2.4.4 Poor-quality stamping and tool wear 47

?

6 INDUSTRY TRENDS 48

6.1 VALUE CHAIN ANALYSIS 48

FIGURE 18 METAL STAMPING MARKET: VALUE CHAIN ANALYSIS 48

6.2 PORTER'S FIVE FORCES ANALYSIS 49

FIGURE 19 PORTER'S FIVE FORCES ANALYSIS: METAL STAMPING MARKET 49

TABLE 1 METAL STAMPING MARKET: PORTER'S FIVE FORCES ANALYSIS 49

6.2.1 BARGAINING POWER OF SUPPLIERS 50

6.2.2 THREAT OF NEW ENTRANTS 50

6.2.3 THREAT OF SUBSTITUTES 50

6.2.4 BARGAINING POWER OF BUYERS 51

6.2.5 RIVALRY AMONG EXISTING COMPETITORS 51

6.3 IMPACT OF TRENDS AND TECHNOLOGY DISRUPTION ON MANUFACTURERS 52

FIGURE 20 CHANGING REVENUE MIX IN METAL STAMPING MARKET 52

6.4 TARIFF AND REGULATORY LANDSCAPE ANALYSIS 53

6.4.1 RESOURCE CONSERVATION AND RECOVERY ACT 53

6.4.2 REGULATION (EU) 2018/858 53

6.4.3 PHARMACEUTICALS AND MEDICAL DEVICES ACT 54

6.5 REGULATORY BODIES AND GOVERNMENT AGENCIES 55

6.5.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 55

6.5.1.1 International Automotive Task Force 55

6.5.1.2 US Food and Drug Administration 55

6.5.1.3 Vehicle Certification Agency (VCA) 56

6.6 SUPPLY CHAIN ANALYSIS 56

TABLE 2 METAL STAMPING MARKET: SUPPLY CHAIN 56

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6.7	TECHNOLOGY ANALYSIS	57
6.8	ECOSYSTEM/MARKET MAP	58
	FIGURE 21	ECOSYSTEM/ MARKET MAP
6.9	KEY STAKEHOLDERS & BUYING CRITERIA	58
6.9.1	KEY STAKEHOLDERS IN BUYING PROCESS	58
	FIGURE 22	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY END-USE INDUSTRIES
	TABLE 3	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY END-USE INDUSTRIES (%)
6.9.2	BUYING CRITERIA	59
	FIGURE 23	KEY BUYING CRITERIA FOR END-USE INDUSTRIES
	TABLE 4	KEY BUYING CRITERIA FOR END-USE INDUSTRIES
6.10	KEY CONFERENCES & EVENTS, 2023-2024	60
	TABLE 5	METAL STAMPING MARKET: DETAILED LIST OF CONFERENCES & EVENTS
6.11	RECESSION IMPACT: REALISTIC, OPTIMISTIC, AND PESSIMISTIC SCENARIOS	61
	?	
6.12	TRADE ANALYSIS	62
	TABLE 6	INTERCHANGEABLE TOOLS FOR HAND TOOLS EXPORT DATA, HS CODE: 8207, 2022 (USD MILLION)
	TABLE 7	INTERCHANGEABLE TOOLS FOR HAND TOOLS IMPORT DATA, HS CODE: 8207, 2022 (USD MILLION)
6.13	PATENT ANALYSIS	64
6.13.1	DOCUMENT ANALYSIS	64
	FIGURE 24	GRANTED PATENTS TO OVERALL PATENTS REGISTERED BETWEEN 2013 AND 2022
	FIGURE 25	NUMBER OF PATENTS BETWEEN 2013 AND 2022
6.13.2	JURISDICTION ANALYSIS	65
	FIGURE 26	NUMBER OF PATENTS, BY JURISDICTION
6.13.3	TOP COMPANIES/APPLICANTS	65
	FIGURE 27	TOP TEN COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS
	TABLE 8	LIST OF PATENTS BY SUZHOU TANGSHI MACHINERY MFG.
	TABLE 9	LIST OF PATENTS BY RAY ARBESMAN
	TABLE 10	LIST OF PATENTS BY HONDA MOTOR CO., LTD.
	TABLE 11	LIST OF PATENTS BY TIANJIN HUASHUN AUTO PARTS
	TABLE 12	LIST OF PATENTS BY AISIN AI CO. LTD.
	TABLE 13	US: TOP TEN PATENT OWNERS BETWEEN 2013 AND 2022
6.14	CASE STUDY ANALYSIS	68
6.14.1	WIEGEL'S NEW HEV BATTERY AND ENGINE MODULE CONCEPT	68
6.14.1.1	Challenge	68
6.14.1.2	Solution	68
6.14.2	BERYLLIUM COPPER SPRING-CONTACT STAMPING FOR HEARING AID APPLICATION	69
6.14.3	METAL PROCESSING COMPANY INCREASES PLANT UTILIZATION BY FOCUSING ON SCRAP MANAGEMENT	69
6.14.3.1	Challenge	69
6.14.3.2	Solution	69
6.15	MACROECONOMIC OVERVIEW	69
6.15.1	GLOBAL GDP OUTLOOK	69
	TABLE 14	WORLD GDP GROWTH PROJECTION, 2021-2028 (USD TRILLION)
7	METAL STAMPING MARKET, BY PROCESS	71
7.1	INTRODUCTION	72
	FIGURE 28	BLANKING PROCESS TO CAPTURE LARGEST SHARE OF METAL STAMPING MARKET BETWEEN 2023 AND 2028
	TABLE 15	METAL STAMPING MARKET, BY PROCESS, 2021-2028 (USD BILLION)
7.2	BLANKING	73

7.2.1	BLANKING PROCESS TO DOMINATE METAL STAMPING MARKET	73
7.3	EMBOSSING	73
7.3.1	ABILITY TO CREATE VISUALLY APPEALING, DURABLE, AND VERSATILE DESIGNS TO BOOST USAGE	73
7.4	BENDING	73
7.4.1	HIGH PRECISION AND ACCURACY TO DRIVE RELIANCE ON BENDING	73
7.5	COINING	74
7.5.1	HIGH-QUALITY, SMOOTH SURFACE FINISH TO SUPPORT DEMAND FOR COINING	74
7.6	FLANGING	74
7.6.1	FLANGING IS USED TO JOIN TWO OR MORE PARTS TOGETHER	74
7.7	OTHER PROCESSES	74
8	METAL STAMPING MARKET, BY MATERIAL	75
8.1	INTRODUCTION	76
	FIGURE 29 STEEL TO HOLD LARGEST MARKET SHARE BETWEEN 2023 AND 2028	76
	TABLE 16 METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	76
8.2	STEEL	77
8.2.1	HIGH STRENGTH AND LOW COST TO DRIVE PREFERENCE FOR STEEL	77
8.3	ALUMINUM	77
8.3.1	FLEXIBILITY, MALLEABILITY, AND EASE OF SHAPING TO SUPPORT USAGE	77
8.4	COPPER	78
8.4.1	HIGH DUCTILITY IN VARIOUS APPLICATIONS TO SUSTAIN DEMAND	78
8.5	OTHER MATERIALS	78
9	METAL STAMPING MARKET, BY MATERIAL THICKNESS	79
9.1	INTRODUCTION	80
	FIGURE 30 >0.4 MM SEGMENT TO HOLD LARGEST MARKET SHARE	80
	TABLE 17 METAL STAMPING MARKET, BY MATERIAL THICKNESS, 2021-2028 (USD BILLION)	80
9.2	<0.4 MM	81
9.2.1	FLEXIBILITY AND PRECISION TO PROPEL SEGMENT DEMAND	81
9.3	>0.4 MM	81
9.3.1	STRENGTH AND DURABILITY TO DRIVE DEMAND IN AUTOMOTIVE APPLICATIONS	81
10	METAL STAMPING MARKET, BY PRESS TYPE	82
10.1	INTRODUCTION	83
	FIGURE 31 MECHANICAL PRESS TO DOMINATE METAL STAMPING MARKET	83
	TABLE 18 METAL STAMPING MARKET, BY PRESS TYPE, 2021-2028 (USD BILLION)	83
10.2	MECHANICAL PRESS	84
10.2.1	MECHANICAL PRESS TO REGISTER HIGHEST GROWTH RATE	84
10.3	HYDRAULIC PRESS	84
10.3.1	GROWING USE IN FABRICATION AND MANUFACTURING OF INDUSTRIAL MACHINERY TO SUPPORT GROWTH	84
	?	
10.4	SERVO PRESS	85
10.4.1	CHEAP PRODUCTION COSTS AND INCREASED PRODUCT QUALITY TO DRIVE USAGE OF SERVO PRESSES	85
10.5	OTHER PRESS TYPES	86
11	METAL STAMPING MARKET, BY END-USE INDUSTRY	87
11.1	INTRODUCTION	88
	FIGURE 32 AUTOMOTIVE INDUSTRY TO REGISTER HIGHEST GROWTH RATE OVER FORECAST PERIOD	88
	TABLE 19 METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	88
11.2	AUTOMOTIVE	89
11.2.1	AUTOMOTIVE INDUSTRY TO DOMINATE METAL STAMPING MARKET	89

11.3	INDUSTRIAL MACHINERY	89
11.3.1	RIISING DEMAND FOR CUSTOM COMPONENTS TO DRIVE MARKET	89
11.4	ELECTRICALS & ELECTRONICS	89
11.4.1	RIISING EV INDUSTRY AND INVESTMENTS IN ELECTRONICS MANUFACTURING TO PROPEL MARKET	89
11.5	AEROSPACE	90
11.5.1	INCREASING AIR PASSENGER VOLUME AND INVESTMENT IN AIR DEFENSE TO BOOST MARKET	90
11.6	MEDICAL	90
FIGURE 33 IMPLANTS TO CAPTURE LARGEST SHARE OF MEDICAL METAL STAMPING MARKET BETWEEN 2023 AND 2028		90
TABLE 20 MEDICAL METAL STAMPING MARKET, BY APPLICATION, 2021-2028 (USD BILLION)		91
11.6.1	IMPLANTS	91
11.6.1.1	Growing aging population and increasing access to healthcare to drive market	91
11.6.2	CONNECTORS	91
11.6.2.1	Increasing healthcare expenditure and advancement in medical technology to boost market	91
11.6.3	OTHER MEDICAL APPLICATIONS	92
11.7	TELECOMMUNICATION	92
11.7.1	INCREASING INVESTMENT IN 6G TECHNOLOGY AND RISING SMARTPHONE PENETRATION TO SUPPORT GROWTH	92
11.8	CONSTRUCTION	92
11.8.1	INCREASING BUILDING AND INFRASTRUCTURE PROJECTS TO DRIVE DEMAND FOR METAL STAMPING	92
11.9	OTHER END-USE INDUSTRIES	93
?		
12	METAL STAMPING MARKET, BY REGION	94
12.1	INTRODUCTION	95
FIGURE 34 INDIA TO RECORD HIGHEST GROWTH RATE DURING FORECAST PERIOD		95
TABLE 21 METAL STAMPING MARKET, BY REGION, 2021-2028 (USD BILLION)		96
12.1.1	RECESSION IMPACT, BY REGION	96
12.2	ASIA PACIFIC	97
FIGURE 35 ASIA PACIFIC: METAL STAMPING MARKET SNAPSHOT		98
TABLE 22 ASIA PACIFIC: METAL STAMPING MARKET, BY COUNTRY, 2021-2028 (USD BILLION)		99
TABLE 23 ASIA PACIFIC: METAL STAMPING MARKET, BY PROCESS, 2021-2028 (USD BILLION)		99
TABLE 24 ASIA PACIFIC: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)		99
TABLE 25 ASIA PACIFIC: METAL STAMPING MARKET, BY MATERIAL THICKNESS, 2021-2028 (USD BILLION)		100
TABLE 26 ASIA PACIFIC: METAL STAMPING MARKET, BY PRESS TYPE, 2021-2028 (USD BILLION)		100
TABLE 27 ASIA PACIFIC: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)		100
TABLE 28 ASIA PACIFIC: MEDICAL METAL STAMPING MARKET, BY APPLICATION, 2021-2028 (USD BILLION)		101
12.2.1	CHINA	101
12.2.1.1	Increasing industrial activities and high growth of automotive sector to boost market	101
TABLE 29 CHINA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)		102
TABLE 30 CHINA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)		102
12.2.2	INDIA	102
12.2.2.1	Growing medical and automotive industries to propel market	102
TABLE 31 INDIA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)		103
TABLE 32 INDIA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)		103
12.2.3	SOUTH KOREA	104
12.2.3.1	Rising production and export of medical devices to fuel market growth	104
TABLE 33 SOUTH KOREA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)		104
TABLE 34 SOUTH KOREA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)		105
12.2.4	JAPAN	105

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12.2.4.1	Industrial digitalization and growing electronics industry to propel market	105
TABLE 35	JAPAN: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	106
TABLE 36	JAPAN: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	106
12.2.5	AUSTRALIA & NEW ZEALAND	107
12.2.5.1	Increasing infrastructural development to drive market	107
TABLE 37	AUSTRALIA & NEW ZEALAND: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	107
TABLE 38	AUSTRALIA & NEW ZEALAND: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	108
12.2.6	REST OF ASIA PACIFIC	108
TABLE 39	REST OF ASIA PACIFIC: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	108
TABLE 40	REST OF ASIA PACIFIC: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	109
12.3	EUROPE	109
FIGURE 36	EUROPE: METAL STAMPING MARKET SNAPSHOT	110
TABLE 41	EUROPE: METAL STAMPING MARKET, BY COUNTRY, 2021-2028 (USD BILLION)	111
TABLE 42	EUROPE: METAL STAMPING MARKET, BY PROCESS, 2021-2028 (USD BILLION)	111
TABLE 43	EUROPE: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	111
TABLE 44	EUROPE: METAL STAMPING MARKET, BY MATERIAL THICKNESS, 2021-2028 (USD BILLION)	112
TABLE 45	EUROPE: METAL STAMPING MARKET, BY PRESS TYPE, 2021-2028 (USD BILLION)	112
TABLE 46	EUROPE: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	112
TABLE 47	EUROPE: MEDICAL METAL STAMPING MARKET, BY APPLICATION, 2021-2028 (USD BILLION)	113
12.3.1	GERMANY	113
12.3.1.1	Presence of leading metal stamping companies to drive market	113
TABLE 48	GERMANY: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	114
TABLE 49	GERMANY: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	114
12.3.2	ITALY	114
12.3.2.1	Increasing use of environmentally friendly manufacturing methods to bolster growth	114
TABLE 50	ITALY: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	115
TABLE 51	ITALY: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	115
12.3.3	FRANCE	116
12.3.3.1	Rising use of modern technologies for making high-quality components in automotive industry to support growth	116
TABLE 52	FRANCE: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	116
TABLE 53	FRANCE: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	117
?		
12.3.4	SWITZERLAND	117
12.3.4.1	High-quality standards and precision production in medical industry to drive market	117
TABLE 54	SWITZERLAND: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	118
TABLE 55	SWITZERLAND: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	118
12.3.5	SWEDEN	118
12.3.5.1	Presence of leading manufacturers of metal stamping to boost market	118
TABLE 56	SWEDEN: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	119
TABLE 57	SWEDEN: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	119
12.3.6	UK	120
12.3.6.1	Advancements and improvements in UK metal stamping industry to bolster production	120
TABLE 58	UK: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	120
TABLE 59	UK: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	121
12.3.7	REST OF EUROPE	121
TABLE 60	REST OF EUROPE: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	121
TABLE 61	REST OF EUROPE: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	122

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12.4 NORTH AMERICA 122

TABLE 62 NORTH AMERICA: METAL STAMPING MARKET, BY COUNTRY, 2021-2028 (USD BILLION) 123

TABLE 63 NORTH AMERICA: METAL STAMPING MARKET, BY PROCESS, 2021-2028 (USD BILLION) 123

TABLE 64 NORTH AMERICA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 123

TABLE 65 NORTH AMERICA: METAL STAMPING MARKET, BY MATERIAL THICKNESS, 2021-2028 (USD BILLION) 124

TABLE 66 NORTH AMERICA: METAL STAMPING MARKET, BY PRESS TYPE, 2021-2028 (USD BILLION) 124

TABLE 67 NORTH AMERICA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 124

TABLE 68 NORTH AMERICA: MEDICAL METAL STAMPING MARKET, BY APPLICATION, 2021-2028 (USD BILLION) 125

12.4.1 US 125

12.4.1.1 Growth of EV sector to drive demand for metal stamping 125

TABLE 69 US: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 126

TABLE 70 US: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 126

?

12.4.2 CANADA 127

12.4.2.1 Growth in automotive sector to propel market 127

TABLE 71 CANADA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 127

TABLE 72 CANADA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 128

12.4.3 MEXICO 128

12.4.3.1 Developing construction industry to fuel market growth 128

TABLE 73 MEXICO: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 129

TABLE 74 MEXICO: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 129

12.5 SOUTH AMERICA 130

TABLE 75 SOUTH AMERICA: METAL STAMPING MARKET, BY COUNTRY, 2021-2028 (USD BILLION) 130

TABLE 76 SOUTH AMERICA: METAL STAMPING MARKET, BY PROCESS, 2021-2028 (USD BILLION) 131

TABLE 77 SOUTH AMERICA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 131

TABLE 78 SOUTH AMERICA: METAL STAMPING MARKET, BY MATERIAL THICKNESS, 2021-2028 (USD BILLION) 131

TABLE 79 SOUTH AMERICA: METAL STAMPING MARKET, BY PRESS TYPE, 2021-2028 (USD BILLION) 132

TABLE 80 SOUTH AMERICA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 132

TABLE 81 SOUTH AMERICA: MEDICAL METAL STAMPING MARKET, BY APPLICATION, 2021-2028 (USD BILLION) 132

12.5.1 BRAZIL 133

12.5.1.1 Fiscal sustainability and structural reforms to boost market 133

TABLE 82 BRAZIL: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 133

TABLE 83 BRAZIL: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 134

12.5.2 ARGENTINA 134

12.5.2.1 Government initiatives to strengthen automotive sector to fuel demand for metal stamping 134

TABLE 84 ARGENTINA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 135

TABLE 85 ARGENTINA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 135

12.5.3 REST OF SOUTH AMERICA 135

TABLE 86 REST OF SOUTH AMERICA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 136

TABLE 87 REST OF SOUTH AMERICA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION) 136

?

12.6 MIDDLE EAST & AFRICA 137

TABLE 88 MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY COUNTRY, 2021-2028 (USD BILLION) 137

TABLE 89 MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY PROCESS, 2021-2028 (USD BILLION) 137

TABLE 90 MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION) 138

TABLE 91 MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY MATERIAL THICKNESS, 2021-2028 (USD BILLION) 138

TABLE 92 MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY PRESS TYPE, 2021-2028 (USD BILLION) 138

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TABLE 93	MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	139
TABLE 94	MIDDLE EAST & AFRICA: MEDICAL METAL STAMPING MARKET, BY APPLICATION, 2021-2028 (USD BILLION)	139
12.6.1	SAUDI ARABIA	139
12.6.1.1	Growing construction activity, expansion in automotive industry, and rising consumer goods demand to augment market	139
TABLE 95	SAUDI ARABIA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	140
TABLE 96	SAUDI ARABIA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	141
12.6.2	UAE	141
12.6.2.1	Increasing need for precise and lightweight metal-stamped parts to propel market	141
TABLE 97	UAE: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	142
TABLE 98	UAE: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	142
12.6.3	REST OF MIDDLE EAST & AFRICA	143
TABLE 99	REST OF MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY MATERIAL, 2021-2028 (USD BILLION)	143
TABLE 100	REST OF MIDDLE EAST & AFRICA: METAL STAMPING MARKET, BY END-USE INDUSTRY, 2021-2028 (USD BILLION)	144
13	COMPETITIVE LANDSCAPE	145
13.1	OVERVIEW	145
FIGURE 37	COMPANIES ADOPTED MERGERS & ACQUISITIONS AS KEY GROWTH STRATEGIES BETWEEN 2019 AND 2022	146
13.2	MARKET SHARE ANALYSIS	147
FIGURE 38	MARKET SHARE, BY KEY PLAYER (2022)	147
TABLE 101	METAL STAMPING MARKET: DEGREE OF COMPETITION	147
13.2.1	RANKING ANALYSIS OF KEY MARKET PLAYERS, 2022	148
FIGURE 39	RANKING ANALYSIS OF KEY MARKET PLAYERS, 2022	148
13.3	KEY COMPANIES' FIVE-YEAR REVENUE ANALYSIS	148
13.3.1	REVENUE ANALYSIS OF TOP PLAYERS	148
FIGURE 40	REVENUE ANALYSIS OF KEY COMPANIES, 2018-2022	148
?		
13.4	COMPANY EVALUATION QUADRANT, 2022	149
13.4.1	STARS	149
13.4.2	PERVASIVE PLAYERS	149
13.4.3	EMERGING LEADERS	149
13.4.4	PARTICIPANTS	149
FIGURE 41	METAL STAMPING MARKET: COMPANY EVALUATION QUADRANT, 2022	150
13.5	COMPETITIVE BENCHMARKING OF KEY PLAYERS	151
TABLE 102	METAL STAMPING MARKET: DETAILED LIST OF KEY PLAYERS	151
13.5.1	STRENGTH OF PRODUCT PORTFOLIO	152
13.5.2	BUSINESS STRATEGY EXCELLENCE	153
13.6	COMPANY EVALUATION QUADRANT FOR STARTUPS/SMES, 2022	154
13.6.1	PROGRESSIVE COMPANIES	154
13.6.2	RESPONSIVE COMPANIES	154
13.6.3	DYNAMIC COMPANIES	154
13.6.4	STARTING BLOCKS	154
FIGURE 42	METAL STAMPING MARKET: COMPANY EVALUATION QUADRANT FOR STARTUPS/SMES, 2022	155
13.7	DETAILED LIST OF KEY STARTUP/SMES	156
13.7.1	COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES	156
13.8	COMPETITIVE SCENARIO	156
13.8.1	DEALS	156
TABLE 103	METAL STAMPING MARKET: DEALS, 2019 TO 2022	156

13.8.2 OTHER DEVELOPMENTS 157

TABLE 104 METAL STAMPING MARKET: OTHER DEVELOPMENTS, 2019 TO 2022 157

14 COMPANY PROFILES 158

14.1 KEY PLAYERS 158

(Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View)*

14.1.1 GESTAMP AUTOMOCION, S.A. 158

TABLE 105 GESTAMP AUTOMOCION S.A.: COMPANY OVERVIEW 158

FIGURE 43 GESTAMP AUTOMOCION S.A.: COMPANY SNAPSHOT 159

TABLE 106 GESTAMP AUTOMOCION S.A.: PRODUCT LAUNCHES 160

TABLE 107 GESTAMP AUTOMOCION S.A.: DEALS 160

TABLE 108 GESTAMP AUTOMOCION S.A.: OTHERS 161

14.1.2 ARCONIC CORPORATION 162

TABLE 109 ARCONIC CORPORATION: COMPANY OVERVIEW 162

FIGURE 44 ARCONIC CORPORATION: COMPANY SNAPSHOT 163

TABLE 110 ARCONIC CORPORATION.: DEALS 164

TABLE 111 ARCONIC CORPORATION: OTHERS 164

14.1.3 AMERICAN AXLE & MANUFACTURING HOLDINGS, INC. 165

TABLE 112 AMERICAN AXLE & MANUFACTURING HOLDINGS, INC.: COMPANY OVERVIEW 165

FIGURE 45 AMERICAN AXLE & MANUFACTURING HOLDINGS, INC.: COMPANY SNAPSHOT 166

TABLE 113 AMERICAN AXLE & MANUFACTURING HOLDINGS, INC.: DEALS 167

TABLE 114 AMERICAN AXLE & MANUFACTURING HOLDINGS, INC.: OTHERS 168

14.1.4 CIE AUTOMOTIVE S.A. 169

TABLE 115 CIE AUTOMOTIVE S.A.: COMPANY OVERVIEW 169

FIGURE 46 CIE AUTOMOTIVE S.A.: COMPANY SNAPSHOT 170

TABLE 116 CIE AUTOMOTIVE S.A.: DEALS 171

TABLE 117 CIE AUTOMOTIVE S.A.: OTHERS 171

14.1.5 INTERPLEX HOLDINGS PTE. LTD. 173

TABLE 118 INTERPLEX HOLDINGS PTE. LTD.: COMPANY OVERVIEW 173

TABLE 119 INTERPLEX HOLDINGS PTE. LTD.: PRODUCT LAUNCHES 173

TABLE 120 INTERPLEX HOLDINGS PTE. LTD.: DEALS 174

14.1.6 AAPICO HITECH PUBLIC COMPANY LIMITED 175

TABLE 121 AAPICO HITECH PUBLIC COMPANY LIMITED: COMPANY OVERVIEW 175

FIGURE 47 AAPICO HITECH PUBLIC COMPANY LIMITED: COMPANY SNAPSHOT 176

TABLE 122 AAPICO HITECH PUBLIC COMPANY LIMITED: DEALS 177

14.1.7 CLOW STAMPING COMPANY 179

TABLE 123 CLOW STAMPING COMPANY: COMPANY OVERVIEW 179

14.1.8 WIEGEL TOOL WORKS, INC. 180

TABLE 124 WIEGEL TOOL WORKS, INC.: COMPANY OVERVIEW 180

TABLE 125 WIEGEL TOOL WORKS, INC.: OTHERS 181

14.1.9 HARVEY VOGEL MANUFACTURING CO. 182

TABLE 126 HARVEY VOGEL MANUFACTURING CO.: COMPANY OVERVIEW 182

14.1.10 ACRO METAL STAMPING 183

TABLE 127 ACRO METAL STAMPING: COMPANY OVERVIEW 183

14.1.11 BOKER'S, INC. 184

TABLE 128 BOKER'S, INC.: COMPANY OVERVIEW 184

14.1.12 KENMODE, INC. 185

TABLE 129 KENMODE, INC.: COMPANY OVERVIEW 185

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TABLE 130 KENMODE, INC.: OTHERS 186

*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

14.2 OTHER COMPANIES 187

14.2.1 D&H INDUSTRIES, INC. 187

14.2.2 ULTRA TOOL & MANUFACTURING, INC. 187

14.2.3 NISSAN MOTOR CO., LTD. 188

14.2.4 MAGNA INTERNATIONAL, INC. 188

14.2.5 DONGGUAN DINGTONG PRECISION METAL CO., LTD. 189

14.2.6 TEMPCO MANUFACTURING COMPANY, INC. 189

14.2.7 WISCONSIN METAL PARTS, INC. 190

14.2.8 MANOR TOOL & MANUFACTURING COMPANY 190

14.2.9 KLESK METAL STAMPING, CO. 191

14.2.10 GOSHEN STAMPING, LLC 191

14.2.11 THOMSON LAMINATION COMPANY, INC. 192

14.2.12 SERTEC GROUP LTD. 192

14.2.13 HEJU STAMPING 193

15 ADJACENT MARKETS 194

15.1 INTRODUCTION 194

15.2 LIMITATIONS 194

15.3 METAL FORMING MARKET 194

15.3.1 MARKET DEFINITION 194

15.3.1.1 Metal forming market for automotive, by technique 194

TABLE 131 METAL FORMING MARKET FOR AUTOMOTIVE, BY TECHNIQUE, 2017-2025 (MILLION TON) 195

TABLE 132 METAL FORMING MARKET FOR AUTOMOTIVE, BY TECHNIQUE, 2017-2025 (USD BILLION) 195

15.3.1.2 Metal forming market for automotive, by forming type 195

TABLE 133 METAL FORMING MARKET FOR AUTOMOTIVE, BY FORMING TYPE, 2017-2025 (MILLION TON) 196

TABLE 134 METAL FORMING MARKET FOR AUTOMOTIVE, BY FORMING TYPE, 2017-2025 (USD BILLION) 196

15.3.1.3 Metal forming market for automotive, by application 196

TABLE 135 METAL FORMING MARKET FOR AUTOMOTIVE, BY APPLICATION, 2017-2025 (MILLION TON) 196

TABLE 136 METAL FORMING MARKET FOR AUTOMOTIVE, BY APPLICATION, 2017-2025 (USD BILLION) 197

15.3.1.4 Metal forming market for automotive, by material 197

TABLE 137 AVERAGE MASS REDUCTION ACHIEVED BY LIGHTWEIGHT MATERIALS (%) 197

TABLE 138 METAL FORMING MARKET FOR AUTOMOTIVE, BY MATERIAL, 2017-2025 (MILLION TON) 198

TABLE 139 METAL FORMING MARKET FOR AUTOMOTIVE, BY MATERIAL, 2017-2025 (USD BILLION) 198

15.3.1.5 Metal forming market for automotive, by vehicle type 198

TABLE 140 METAL FORMING MARKET FOR AUTOMOTIVE, BY VEHICLE TYPE, 2017-2025 (MILLION TON) 199

TABLE 141 METAL FORMING MARKET FOR AUTOMOTIVE, BY VEHICLE TYPE, 2017-2025 (USD BILLION) 199

15.3.1.6 Metal forming market for electric and hybrid vehicles, by vehicle type 200

TABLE 142 METAL FORMING MARKET FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2017-2025 (000' TON) 200

TABLE 143 METAL FORMING MARKET FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2017-2025 (USD BILLION) 200

15.3.1.7 Metal forming market for automotive, by region 201

TABLE 144 METAL FORMING MARKET FOR AUTOMOTIVE, BY REGION, 2017-2025 (MILLION TON) 201

TABLE 145 METAL FORMING MARKET FOR AUTOMOTIVE, BY REGION, 2017-2025 (USD BILLION) 202

16 APPENDIX 203

16.1 DISCUSSION GUIDE 203

16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 207

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16.3	CUSTOMIZATION OPTIONS	209
16.4	RELATED REPORTS	209
16.5	AUTHOR DETAILS	210

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