

Laser Tracker Market by Application (Quality Control & Inspection, Alignment, Reverse Engineering, and Calibration), Industry (Automotive, Aerospace & Defense, General Manufacturing, Energy & Power, Transportation) and Region - Global Forecast to 2027

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Report description:

The laser tracker market is estimated to grow from USD 636 million in 2022 to reach USD 866 million by 2027; it is expected to grow at a CAGR of 6.4% from 2022 to 2027. The growth of the laser tracker market can be attributed to greater reliance of manufacturing firms on 3D data to assess product quality and performance.

"The market for laser tracker hardware is expected to hold largest share from 2022 to 2027"

The increasing adoption of laser trackers in the aerospace & defense, automotive, architecture and construction, energy & power industries drive the growth of the hardware segment of the laser tracker market. Companies such as Hexagon, FARO, and, API are offering a variety of laser trackers for these industries. Hexagon launched the Leica Absolute Tracker AT500 that automatically re-establishes interrupted lines of sight within a wide field of view without any user interaction. It offers reflector measurement up to 160 meters from the tracker to simplified 6DoF probing functionality.

"Laser tracker market for general manufacturing expected to grow at the second highest CAGR during the forecast period"

Laser trackers integrate data into production processes, enabling smarter decision-making, better quality control, increased throughput or production rate, and reduced cycle times, thereby completely supporting the businesses involved in general manufacturing and production of large-scale precision machining tools. VMT, On-Trak Photonics, Hubbs Machine & Manufacturing, API, and Hexagon AB are major companies offering laser tracking solutions for the manufacturing industry. In April 2022, Hexagon AB launched a new wireless laser tracker automation system, especially designed for large-scale inspection tasks performed by manufacturing companies.

"The laser tracker market in Asia Pacific to hold the largest share by 2027"

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The market in Asia Pacific is gaining opportunities from various industries, such as automotive, aerospace & defense, general manufacturing, and energy & power, wherein laser trackers are used for quality control and inspection, calibration, and alignment purposes. Advancements toward smart factory in countries such as China and India is another reason for the growth of the laser tracker market in this region.

Breakdown of the profile of primary participants:

- By Company Type: Tier 1 -30%, Tier 2 -50%, and Tier 3 -20%
- By Designation: C-level Executives -35%, Directors-25%, Others -40%
- By Region: North America-45%, Europe -20%, and Asia Pacific-35%

Hexagon AB (Sweden); Faro Technologies, Inc. (US); Automated Precision Inc. (US); InnovMetric Software Inc. (Canada); CHOTEST TECHNOLOGY INC. (China); Mitutoyo Corp. (Japan); 3D Systems, Inc. (US); VMT GmbH (Germany); Hubbs Machine and Manufacturing Inc. (US); and PLX Inc. (US); and Brunson Instrument Company (US) are among a few of the players in the laser tracker market.

Research Coverage

Based on offering, the laser tracker market has been segmented into hardware, software, and services. Based on application, the laser tracker market has been segmented into quality control and inspection, alignment, reverse engineering, and calibration. Based on industry, the laser tracker market is segmented into automotive, aerospace and defense, energy and power, general manufacturing, architecture and construction, transportation and others. Based on region, the laser tracker market has been segmented into North America, Europe, Asia Pacific, and Rest of the World (RoW).

Reasons to Buy Report

The report would help market leaders/new entrants in the following ways:

1. This report segments the laser tracker market comprehensively and provides the closest approximations of the overall market size, as well as that of the subsegments across offerings, applications, industries, and regions.
2. The report helps stakeholders understand the pulse of the market and provides information on key market drivers, restraints, challenges, and opportunities.
3. This report would help stakeholders understand their competitors better and gain more insights to enhance their position in the business. The competitive landscape provides market share analysis and company evaluation quadrant for the key players operating in the laser tracker market.

Table of Contents:

- 1 INTRODUCTION 29
- 1.1 STUDY OBJECTIVES 29
- 1.2 MARKET DEFINITION 29
- 1.3 STUDY SCOPE 30
- 1.3.1 MARKETS COVERED 30
- FIGURE 1 LASER TRACKER MARKET SCOPE 30
- 1.3.2 GEOGRAPHIC SCOPE 30
- 1.4 YEARS CONSIDERED 31
- 1.5 CURRENCY CONSIDERED 31
- 1.6 UNIT CONSIDERED 31
- 1.7 LIMITATIONS 31
- 1.8 STAKEHOLDERS 32
- 1.9 SUMMARY OF CHANGES 32
- 2 RESEARCH METHODOLOGY 34
- 2.1 RESEARCH DATA 34
- FIGURE 2 LASER TRACKER MARKET SIZE ESTIMATION PROCESS FLOW 34

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FIGURE 3 □ LASER TRACKER MARKET: RESEARCH DESIGN □ 35

2.1.1 □ SECONDARY DATA □ 35

2.1.1.1 □ Major secondary sources □ 36

2.1.1.2 □ Key data from secondary sources □ 36

2.1.2 □ PRIMARY DATA □ 36

2.1.2.1 □ List of key primary interview participants □ 37

2.1.2.2 □ Key data from primary sources □ 37

2.1.2.3 □ Key industry insights □ 38

2.1.2.4 □ Breakdown of primaries □ 38

2.1.3 □ SECONDARY AND PRIMARY RESEARCH □ 39

2.2 □ MARKET SIZE ESTIMATION □ 39

FIGURE 4 □ MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1 (SUPPLY SIDE): REVENUE GENERATED FROM SALES OF LASER TRACKERS IN 2021 □ 40

FIGURE 5 □ MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2 (SUPPLY SIDE): ILLUSTRATION OF REVENUE ESTIMATION OF ONE COMPANY FROM SALES OF LASER TRACKERS IN 2021 □ 40

FIGURE 6 □ MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 3 (DEMAND SIDE): ESTIMATION OF LASER TRACKER MARKET SIZE, BY INDUSTRY □ 41

2.2.1 □ BOTTOM-UP APPROACH □ 41

2.2.1.1 □ Approach for capturing market size by bottom-up analysis (demand side) □ 41

FIGURE 7 □ MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH □ 42

?

2.2.2 □ TOP-DOWN APPROACH □ 42

2.2.2.1 □ Approach for capturing market size by top-down analysis (supply side) □ 42

FIGURE 8 □ MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH □ 42

2.2.3 □ MARKET SHARE ESTIMATION □ 43

2.3 □ MARKET BREAKDOWN AND DATA TRIANGULATION □ 43

FIGURE 9 □ MARKET BREAKDOWN AND DATA TRIANGULATION □ 43

2.4 □ RESEARCH ASSUMPTIONS □ 44

TABLE 1 □ ASSUMPTIONS FOR RESEARCH STUDY □ 44

2.4.1 □ GROWTH RATE ASSUMPTIONS/GROWTH FORECAST □ 44

2.5 □ RESEARCH LIMITATIONS □ 45

2.6 □ RISK ASSESSMENT □ 45

3 □ EXECUTIVE SUMMARY □ 46

FIGURE 10 □ LASER TRACKER MARKET FOR SERVICES TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD □ 47

FIGURE 11 □ QUALITY CONTROL & INSPECTION APPLICATION TO HOLD LARGEST SHARE OF LASER TRACKER MARKET THROUGHOUT FORECAST PERIOD □ 47

FIGURE 12 □ LASER TRACKER MARKET, BY INDUSTRY, 2022 □ 48

FIGURE 13 □ LASER TRACKER MARKET IN ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD □ 48

4 □ PREMIUM INSIGHTS □ 50

4.1 □ ATTRACTIVE OPPORTUNITIES FOR LASER TRACKER MARKET PLAYERS □ 50

FIGURE 14 □ HIGH DEMAND FOR LASER TRACKERS FROM AUTOMOTIVE AND AEROSPACE & DEFENSE INDUSTRIES TO DRIVE MARKET GROWTH FROM 2022 TO 2027 □ 50

4.2 □ LASER TRACKER MARKET, BY OFFERING □ 50

FIGURE 15 □ HARDWARE SEGMENT TO HOLD LARGEST SHARE OF LASER TRACKER MARKET DURING FORECAST PERIOD □ 50

4.3 □ LASER TRACKER MARKET, BY APPLICATION □ 51

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FIGURE 16 □ QUALITY CONTROL & INSPECTION SEGMENT TO HOLD MAJORITY OF MARKET SHARE IN 2027 □ 51

4.4 □ LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY AND INDUSTRY □ 51

FIGURE 17 □ AUTOMOTIVE INDUSTRY AND CHINA TO BE MAJOR STAKEHOLDERS IN LASER TRACKER MARKET IN ASIA PACIFIC IN 2022 □ 51

4.5 □ GEOGRAPHIC ANALYSIS OF LASER TRACKER MARKET □ 52

FIGURE 18 □ INDIA TO EXHIBIT HIGHEST CAGR IN GLOBAL LASER TRACKER MARKET DURING FORECAST PERIOD □ 52

5 □ MARKET OVERVIEW □ 53

5.1 □ INTRODUCTION □ 53

5.2 □ MARKET DYNAMICS □ 53

FIGURE 19 □ LASER TRACKER MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES □ 53

?

5.2.1 □ DRIVERS □ 54

FIGURE 20 □ DRIVERS AND THEIR IMPACT ON LASER TRACKER MARKET □ 54

5.2.1.1 □ High accuracy, precision, and portability of laser trackers □ 54

5.2.1.2 □ Increased adoption of robotics in developed countries □ 55

5.2.1.3 □ Significant R&D expenditure for launching 3D metrology products □ 56

5.2.1.4 □ Greater reliance of manufacturing firms on 3D data to assess product quality and performance □ 56

5.2.2 □ RESTRAINTS □ 56

FIGURE 21 □ RESTRAINT AND THEIR IMPACT ON LASER TRACKER MARKET □ 56

5.2.2.1 □ Availability of substitutes, such as laser radars, to carry out inspection and calibration tasks □ 57

TABLE 2 □ COMPARISON BETWEEN LASER TRACKERS AND LASER RADARS □ 57

5.2.3 □ OPPORTUNITIES □ 58

FIGURE 22 □ OPPORTUNITIES AND THEIR IMPACT ON LASER TRACKER MARKET □ 58

5.2.3.1 □ Growing trend of outsourcing 3D metrology services □ 58

5.2.3.2 □ Increasing adoption of cloud computing □ 59

5.2.4 □ CHALLENGES □ 59

FIGURE 23 □ CHALLENGES AND THEIR IMPACT ON LASER TRACKER MARKET □ 59

5.2.4.1 □ Addressing alignment errors in laser trackers □ 59

5.3 □ VALUE CHAIN ANALYSIS □ 60

FIGURE 24 □ VALUE CHAIN ANALYSIS: MAJOR VALUE ADDED BY ORIGINAL EQUIPMENT MANUFACTURERS □ 60

5.4 □ LASER TRACKER ECOSYSTEM □ 62

FIGURE 25 □ ECOSYSTEM OF LASER TRACKER MARKET □ 62

TABLE 3 □ COMPANIES AND THEIR ROLE IN LASER TRACKER ECOSYSTEM □ 63

5.5 □ TECHNOLOGY ANALYSIS □ 64

5.6 □ PATENT ANALYSIS □ 65

FIGURE 26 □ NUMBER OF PATENTS GRANTED PER YEAR FROM 2012 TO 2021 □ 65

FIGURE 27 □ TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS IN LAST 10 YEARS □ 65

TABLE 4 □ LIST OF TOP PATENT OWNERS IN LAST 10 YEARS □ 66

5.6.1 □ LIST OF MAJOR PATENTS □ 66

TABLE 5 □ LIST OF MAJOR PATENTS □ 66

5.7 □ CASE STUDY ANALYSIS □ 68

5.7.1 □ API HELPS TACQUET INDUSTRIES TO MACHINE 7 M DIAMETER TURBINE WHEEL CASING ACCURATELY □ 68

5.7.2 □ ACQUIP HELPS IN ALIGNMENT MEASUREMENTS AND ADJUSTMENTS OF GUIDE RAILS USING FARO VANTAGE LASER TRACKER □ 68

5.7.3 □ API SERVICES HELP AMTDC ACHIEVE HIGHEST ACCURACY IN INDUSTRIAL ROBOTS □ 69

5.7.4 □ API SERVICES HELP FLYING-S UNLOCK FULL POTENTIAL OF ITS MACHINE TOOLS □ 69

5.7.5 □ PCM INNOVATION ACHIEVES AGILE MANUFACTURING IN AEROSPACE INSPECTION WITH FARO SOFTWARE AND FARO LASER

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TRACKER 70

5.7.6 BMW GROUP USES HEXAGON'S LASER TRACKERS TO OPTIMIZE AUTOMOTIVE MANUFACTURING PROCESS 70

5.8 TRENDS AND DISRUPTIONS IMPACTING CUSTOMERS 71

FIGURE 28 TRENDS AND DISRUPTIONS IN LASER TRACKER MARKET 71

5.9 TRADE ANALYSIS 72

FIGURE 29 IMPORT DATA FOR HS CODE 903180, BY COUNTRY, 2017-2021 72

FIGURE 30 EXPORT DATA FOR HS CODE 903180, BY COUNTRY, 2017-2021 73

5.10 PORTER'S FIVE FORCES ANALYSIS 73

TABLE 6 LASER TRACKER MARKET: PORTER'S FIVE FORCES ANALYSIS 73

5.10.1 INTENSITY OF COMPETITIVE RIVALRY 74

5.10.2 BARGAINING POWER OF SUPPLIERS 74

5.10.3 BARGAINING POWER OF BUYERS 74

5.10.4 THREAT OF SUBSTITUTES 74

5.10.5 THREAT OF NEW ENTRANTS 75

5.11 TARIFF ANALYSIS 75

TABLE 7 TARIFFS FOR INSTRUMENTS, APPLIANCES, AND MACHINES EXPORTED BY US FOR MEASURING FUNCTION WITH HS CODE 903180 75

TABLE 8 TARIFFS FOR INSTRUMENTS, APPLIANCES, AND MACHINES EXPORTED BY CHINA FOR MEASURING FUNCTION WITH HS CODE 903180 76

5.12 STANDARDS AND REGULATIONS 76

5.12.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 76

TABLE 9 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 77

TABLE 10 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 77

TABLE 11 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 78

TABLE 12 REST OF THE WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 78

5.12.2 ISO AND IEC STANDARDS 79

5.12.3 CLASSIFICATION OF LASER STANDARDS 80

TABLE 13 CLASSIFICATION CRITERIA OF DIFFERENT LASER STANDARDS 80

5.12.4 INGRESS PROTECTION (IP) RATINGS 81

TABLE 14 INGRESS PROTECTION (IP) RATINGS 81

5.12.5 RESTRICTION OF HAZARDOUS SUBSTANCES (ROHS) AND WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) 82

5.12.6 REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) 82

5.12.7 GENERAL DATA PROTECTION REGULATION (GDPR) 83

5.12.8 IMPORT-EXPORT LAWS 83

5.13 KEY STAKEHOLDERS AND BUYING CRITERIA 84

5.13.1 KEY STAKEHOLDERS IN BUYING PROCESS 84

FIGURE 31 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 APPLICATIONS 84

TABLE 15 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 INDUSTRIES (%) 84

5.13.2 BUYING CRITERIA 85

FIGURE 32 KEY BUYING CRITERIA FOR TOP 3 INDUSTRIES 85

TABLE 16 KEY BUYING CRITERIA FOR TOP 3 INDUSTRIES 85

5.14 PRICING ANALYSIS 86

FIGURE 33 AVERAGE SELLING PRICE TRENDS 86

5.14.1 ASP ANALYSIS OF LASER TRACKERS OFFERED BY MARKET PLAYERS FOR TOP 3 INDUSTRIES 86

FIGURE 34 AVERAGE SELLING PRICE ANALYSIS OF LASER TRACKER PRODUCTS OFFERED BY MARKET PLAYERS FOR TOP 3 INDUSTRIES 86

TABLE 17 AVERAGE SELLING PRICE ANALYSIS OF LASER TRACKERS OFFERED

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BY MARKET PLAYERS FOR TOP 3 INDUSTRIES 87

5.15 KEY CONFERENCES AND EVENTS, 2022-2023 87

TABLE 18 LASER TRACKER MARKET: DETAILED LIST OF CONFERENCES AND EVENTS 87

6 LASER TRACKER MARKET, BY OFFERING 89

6.1 INTRODUCTION 90

FIGURE 35 HARDWARE TO HOLD LARGEST SHARE OF LASER TRACKER MARKET IN 2027 90

TABLE 19 LASER TRACKER MARKET, BY OFFERING, 2018-2021 (USD MILLION) 90

TABLE 20 LASER TRACKER MARKET, BY OFFERING, 2022-2027 (USD MILLION) 90

TABLE 21 LASER TRACKER HARDWARE MARKET, BY TYPE, 2018-2021 (USD MILLION) 91

TABLE 22 LASER TRACKER HARDWARE MARKET, BY TYPE, 2022-2027 (USD MILLION) 91

TABLE 23 LASER TRACKER HARDWARE MARKET, BY EQUIPMENT, 2018-2021 (UNITS) 91

TABLE 24 LASER TRACKER HARDWARE MARKET, BY EQUIPMENT, 2022-2027 (UNITS) 91

6.2 HARDWARE 92

6.2.1 LASER TRACKER HEAD 92

6.2.1.1 Most critical component of laser trackers 92

6.2.2 LASER TRACKER CONTROLLER 92

6.2.2.1 Enables communication with laser tracker measuring head 92

6.2.3 LASER TRACKER TARGET 92

6.2.3.1 Important component for smooth functioning of laser trackers 92

6.2.3.2 Retroreflector 92

6.2.3.2.1 Most popular and commonly used component in spherically mounted retroreflector 92

6.2.3.2.2 Spherically mounted retroreflector (SMR) 93

6.2.3.2.3 Ball-mounted hollow retroreflector (BMR) 93

6.2.3.2.3.1 Hydrophobic 93

6.2.3.2.3.2 Stainless steel 93

6.2.3.2.3.3 Ceramic 93

6.2.3.2.3.4 Durable 94

6.2.3.3 Cat-eye target 94

6.2.3.3.1 Designed for wide acceptance angle applications of laser trackers 94

6.2.3.4 Repeatability target 94

6.2.3.4.1 Used in large quantities to study change or drift in objects over time 94

6.2.4 LASER TRACKER PROBE 94

6.2.4.1 Facilitates effective measurement of surface features such as holes, small pockets, and corners 94

6.2.5 COMPUTER SYSTEM 95

6.2.5.1 Responsible for controlling laser tracker functions 95

6.2.6 ESSENTIAL ACCESSORIES 95

6.2.6.1 Sensor cable 95

6.2.6.1.1 Provides necessary data to sensors in laser trackers 95

6.2.6.2 Stand, tripod, and interface 95

6.2.6.2.1 Offer benefit of portability and stability 95

6.2.6.3 Power supply unit, power cable, and battery charger 95

6.2.6.3.1 Necessary for battery-powered and wireless laser trackers 95

6.2.6.4 Others 96

6.3 SOFTWARE 96

6.3.1 HELPS ACQUIRE AND PROCESS DATA COLLECTED FROM LASER TRACKERS 96

6.4 SERVICES 97

6.4.1 AFTER-SALES SERVICES 97

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6.4.1.1 Need for system upgrades and annual maintenance drives demand for after-sales services 97

6.4.2 MEASUREMENT SERVICES 97

6.4.2.1 Include inspection and alignment, reverse engineering, machine tool calibration, and laser tracker calibration services 97

6.4.3 STORAGE-AS-A-SERVICE 97

6.4.3.1 Focus of companies on adopting cost-reducing measures to boost market growth 97

7 LASER TRACKER MARKET, BY APPLICATION 98

7.1 INTRODUCTION 99

FIGURE 36 QUALITY CONTROL & INSPECTION APPLICATION TO HOLD LARGEST SHARE OF LASER TRACKER MARKET THROUGHOUT FORECAST PERIOD 99

TABLE 25 LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 99

TABLE 26 LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) 99

7.2 QUALITY CONTROL & INSPECTION 100

7.2.1 AUTOMOTIVE INDUSTRY ADOPTS LASER TRACKERS FOR QUICK AND PRECISE MEASUREMENTS 100

TABLE 27 QUALITY CONTROL & INSPECTION: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 101

TABLE 28 QUALITY CONTROL & INSPECTION: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) 101

7.3 ALIGNMENT 102

7.3.1 AUTOMOTIVE AND AEROSPACE INDUSTRIES USE LASER TRACKERS TO DETERMINE OPTICAL COORDINATES 102

TABLE 29 ALIGNMENT: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 102

TABLE 30 ALIGNMENT: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) 103

7.4 REVERSE ENGINEERING 103

7.4.1 LASER TRACKERS ARE USED TO GENERATE DIGITAL MODELING OF COMPONENTS IN PRECISION MANUFACTURING 103

TABLE 31 REVERSE ENGINEERING: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 104

TABLE 32 REVERSE ENGINEERING: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) 104

7.5 CALIBRATION 105

7.5.1 LASER TRACKERS ARE ADOPTED TO CALIBRATE INDUSTRIAL ROBOTS 105

TABLE 33 CALIBRATION: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 105

TABLE 34 CALIBRATION: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) 106

8 LASER TRACKER MARKET, BY INDUSTRY 107

8.1 INTRODUCTION 108

FIGURE 37 AUTOMOTIVE INDUSTRY TO HOLD LARGEST SHARE OF LASER TRACKER MARKET DURING FORECAST PERIOD 108

TABLE 35 LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) 108

TABLE 36 LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) 109

8.2 AUTOMOTIVE 110

8.2.1 INSPECTION, ALIGNMENT, AND CALIBRATION TASKS IN AUTOMOTIVE INDUSTRY TO CREATE NEED FOR LASER TRACKERS 110

TABLE 37 AUTOMOTIVE: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 110

TABLE 38 AUTOMOTIVE: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) 110

TABLE 39 AUTOMOTIVE: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) 111

TABLE 40 AUTOMOTIVE: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) 111

TABLE 41 AUTOMOTIVE: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 111

TABLE 42 AUTOMOTIVE: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 112

TABLE 43 AUTOMOTIVE: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION) 112

TABLE 44 AUTOMOTIVE: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION) 112

TABLE 45 AUTOMOTIVE: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION) 113

TABLE 46 AUTOMOTIVE: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION) 113

TABLE 47 AUTOMOTIVE: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION) 113

TABLE 48 AUTOMOTIVE: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION) 114

TABLE 49 AUTOMOTIVE: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 114

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TABLE 50 AUTOMOTIVE: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 114

8.3 AEROSPACE & DEFENSE 114

8.3.1 REVERSE ENGINEERING, SHAFT ALIGNMENT, AND 3D MEASUREMENT OF AIRCRAFT COMPONENTS BOOST MARKET GROWTH 114

TABLE 51 AEROSPACE & DEFENSE: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 115

TABLE 52 AEROSPACE & DEFENSE: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) 115

TABLE 53 AEROSPACE & DEFENSE: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) 116

TABLE 54 AEROSPACE & DEFENSE: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) 116

TABLE 55 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 116

TABLE 56 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 117

TABLE 57 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION) 117

TABLE 58 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION) 117

TABLE 59 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION) 118

TABLE 60 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION) 118

TABLE 61 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION) 118

TABLE 62 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION) 119

TABLE 63 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 119

TABLE 64 AEROSPACE & DEFENSE: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 119

8.4 ENERGY & POWER 119

8.4.1 PRECISE AND ACCURATE MEASUREMENT, ALIGNMENT, AND INSPECTION OF TURBINES, BEARINGS, AND GENERATORS TO PROPEL MARKET GROWTH 119

TABLE 65 ENERGY & POWER: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 120

TABLE 66 ENERGY & POWER: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) 120

TABLE 67 ENERGY & POWER: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) 120

TABLE 68 ENERGY & POWER: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) 121

TABLE 69 ENERGY & POWER: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 121

TABLE 70 ENERGY & POWER: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 121

TABLE 71 ENERGY & POWER: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION) 122

TABLE 72 ENERGY & POWER: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION) 122

TABLE 73 ENERGY & POWER: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION) 122

TABLE 74 ENERGY & POWER: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION) 123

TABLE 75 ENERGY & POWER: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION) 123

TABLE 76 ENERGY & POWER: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION) 123

TABLE 77 ENERGY & POWER: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 123

TABLE 78 ENERGY & POWER: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 124

8.5 GENERAL MANUFACTURING 124

8.5.1 HIGH DEMAND FROM MANUFACTURING FIRMS TO REDUCE OPERATOR INTERACTION IN QUALITY CONTROL PROCESSES 124

TABLE 79 GENERAL MANUFACTURING: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) 125

TABLE 80 GENERAL MANUFACTURING: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) 125

TABLE 81 GENERAL MANUFACTURING: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) 125

TABLE 82 GENERAL MANUFACTURING: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) 126

TABLE 83 GENERAL MANUFACTURING: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) 126

TABLE 84 GENERAL MANUFACTURING: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) 126

TABLE 85 GENERAL MANUFACTURING: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION) 127

TABLE 86 GENERAL MANUFACTURING: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION) 127

TABLE 87 GENERAL MANUFACTURING: LASER TRACKER MARKET IN PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION) 127

TABLE 88 GENERAL MANUFACTURING: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION) 128

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TABLE 89 □ GENERAL MANUFACTURING: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION) □ 128

TABLE 90 □ GENERAL MANUFACTURING: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION) □ 128

TABLE 91 □ GENERAL MANUFACTURING: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) □ 129

TABLE 92 □ GENERAL MANUFACTURING: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) □ 129

8.6 □ ARCHITECTURE AND CONSTRUCTION □ 129

8.6.1 □ REAL-TIME INSPECTION AND ALIGNMENT REQUIREMENTS IN CONSTRUCTION INDUSTRY TO CREATE GROWTH OPPORTUNITIES □ 129

TABLE 93 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) □ 130

TABLE 94 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) □ 130

TABLE 95 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) □ 130

TABLE 96 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) □ 131

TABLE 97 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) □ 131

TABLE 98 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) □ 131

TABLE 99 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION) □ 132

TABLE 100 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION) □ 132

TABLE 101 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION) □ 132

TABLE 102 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION) □ 133

TABLE 103 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION) □ 133

TABLE 104 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION) □ 133

TABLE 105 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) □ 133

TABLE 106 □ ARCHITECTURE & CONSTRUCTION: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) □ 134

8.7 □ TRANSPORTATION □ 134

8.7.1 □ FLEXIBILITY, PRECISION, AND ACCURACY OF LASER TRACKERS ENCOURAGE ADOPTION IN ALIGNMENT APPLICATIONS □ 134

TABLE 107 □ TRANSPORTATION: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) □ 134

TABLE 108 □ TRANSPORTATION: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) □ 135

TABLE 109 □ TRANSPORTATION: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) □ 135

TABLE 110 □ TRANSPORTATION: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) □ 135

TABLE 111 □ TRANSPORTATION: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) □ 136

TABLE 112 □ TRANSPORTATION: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) □ 136

TABLE 113 □ TRANSPORTATION: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION) □ 136

TABLE 114 □ TRANSPORTATION: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION) □ 137

TABLE 115 □ TRANSPORTATION: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION) □ 137

TABLE 116 □ TRANSPORTATION: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION) □ 137

TABLE 117 □ TRANSPORTATION: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION) □ 138

TABLE 118 □ TRANSPORTATION: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION) □ 138

TABLE 119 □ TRANSPORTATION: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION) □ 138

TABLE 120 □ TRANSPORTATION: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION) □ 138

8.8 □ OTHERS □ 139

TABLE 121 □ OTHERS: LASER TRACKER MARKET, BY APPLICATION, 2018-2021 (USD MILLION) □ 139

TABLE 122 □ OTHERS: LASER TRACKER MARKET, BY APPLICATION, 2022-2027 (USD MILLION) □ 139

TABLE 123 □ OTHERS: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) □ 139

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TABLE 124	OTHERS: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION)	140
TABLE 125	OTHERS: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION)	140
TABLE 126	OTHERS: LASER TRACKER MARKET IN NORTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION)	140
TABLE 127	OTHERS: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2018-2021 (USD MILLION)	141
TABLE 128	OTHERS: LASER TRACKER MARKET IN EUROPE, BY COUNTRY, 2022-2027 (USD MILLION)	141
TABLE 129	OTHERS: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2018-2021 (USD MILLION)	141
TABLE 130	OTHERS: LASER TRACKER MARKET IN ASIA PACIFIC, BY COUNTRY, 2022-2027 (USD MILLION)	142
TABLE 131	OTHERS: LASER TRACKER MARKET IN ROW, BY REGION, 2018-2021 (USD MILLION)	142
TABLE 132	OTHERS: LASER TRACKER MARKET IN ROW, BY REGION, 2022-2027 (USD MILLION)	142
TABLE 133	OTHERS: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2018-2021 (USD MILLION)	142
TABLE 134	OTHERS: LASER TRACKER MARKET IN SOUTH AMERICA, BY COUNTRY, 2022-2027 (USD MILLION)	143
?		
9	LASER TRACKER MARKET, BY REGION	144
9.1	INTRODUCTION	145
FIGURE 38	GEOGRAPHIC ANALYSIS: LASER TRACKER MARKET (2022-2027)	145
TABLE 135	LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION)	145
TABLE 136	LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION)	146
9.2	NORTH AMERICA	146
FIGURE 39	SNAPSHOT OF LASER TRACKER MARKET IN NORTH AMERICA	147
TABLE 137	NORTH AMERICA: LASER TRACKER MARKET, BY COUNTRY, 2018-2021 (USD MILLION)	147
TABLE 138	NORTH AMERICA: LASER TRACKER MARKET, BY COUNTRY, 2022-2027 (USD MILLION)	148
TABLE 139	NORTH AMERICA: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION)	148
TABLE 140	NORTH AMERICA: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION)	148
9.2.1	US	149
9.2.1.1	Accounted for largest share of North American laser tracker market in 2021	149
9.2.2	CANADA	149
9.2.2.1	Automotive and aerospace industries to drive market growth	149
9.2.3	MEXICO	150
9.2.3.1	Expected to record highest CAGR in North American market during forecast period	150
9.3	EUROPE	150
FIGURE 40	SNAPSHOT OF LASER TRACKER MARKET IN EUROPE	151
TABLE 141	EUROPE: LASER TRACKER MARKET, BY COUNTRY, 2018-2021 (USD MILLION)	151
TABLE 142	EUROPE: LASER TRACKER MARKET, BY COUNTRY, 2022-2027 (USD MILLION)	152
TABLE 143	EUROPE: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION)	152
TABLE 144	EUROPE: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION)	152
9.3.1	GERMANY	153
9.3.1.1	Likely to lead European laser tracker market in coming years	153
9.3.2	UK	153
9.3.2.1	Thriving aerospace industry to boost laser tracker market growth	153
9.3.3	FRANCE	154
9.3.3.1	Investments by government in automotive industry to create opportunities for laser tracker providers	154
9.3.4	ITALY	154
9.3.4.1	Incentive plans to boost productivity in manufacturing to create opportunities for laser tracker manufacturers	154
9.3.5	SPAIN	155
9.3.5.1	Aerospace & defense industry to support market growth	155
9.3.6	REST OF EUROPE	155
9.4	ASIA PACIFIC	155

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FIGURE 41 □ SNAPSHOT OF LASER TRACKER MARKET IN ASIA PACIFIC □ 156

TABLE 145 □ ASIA PACIFIC: LASER TRACKER MARKET, BY COUNTRY, 2018-2021 (USD MILLION) □ 156

TABLE 146 □ ASIA PACIFIC: LASER TRACKER MARKET, BY COUNTRY, 2022-2027 (USD MILLION) □ 157

TABLE 147 □ ASIA PACIFIC: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) □ 157

TABLE 148 □ ASIA PACIFIC: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) □ 157

9.4.1 □ CHINA □ 158

9.4.1.1 □ Likely to lead laser tracker market in Asia Pacific □ 158

9.4.2 □ JAPAN □ 158

9.4.2.1 □ Increased demand for robots by manufacturing firms to stimulate need for laser trackers □ 158

9.4.3 □ SOUTH KOREA □ 159

9.4.3.1 □ Smart factory initiatives to generate demand for laser trackers □ 159

9.4.4 □ INDIA □ 159

9.4.4.1 □ Likely to register highest CAGR in Asia Pacific market during forecast period □ 159

9.4.5 □ REST OF ASIA PACIFIC □ 160

9.5 □ ROW □ 160

TABLE 149 □ ROW: LASER TRACKER MARKET, BY REGION, 2018-2021 (USD MILLION) □ 160

TABLE 150 □ ROW: LASER TRACKER MARKET, BY REGION, 2022-2027 (USD MILLION) □ 160

TABLE 151 □ ROW: LASER TRACKER MARKET, BY INDUSTRY, 2018-2021 (USD MILLION) □ 160

TABLE 152 □ ROW: LASER TRACKER MARKET, BY INDUSTRY, 2022-2027 (USD MILLION) □ 161

9.5.1 □ MIDDLE EAST AND AFRICA □ 161

9.5.1.1 □ Construction and infrastructure development projects to drive market growth □ 161

9.5.2 □ SOUTH AMERICA □ 162

9.5.2.1 □ Brazil □ 162

9.5.2.1.1 □ Aerospace industry to create significant opportunities for market players □ 162

9.5.2.2 □ Rest of South America □ 162

9.5.2.2.1 □ Energy & power industry to contribute to market growth □ 162

10 □ COMPETITIVE LANDSCAPE □ 163

10.1 □ OVERVIEW □ 163

10.2 □ KEY PLAYER STRATEGIES/RIGHT TO WIN □ 163

TABLE 153 □ OVERVIEW OF STRATEGIES ADOPTED BY COMPANIES IN LASER TRACKER MARKET □ 163

10.3 □ FIVE-YEAR COMPANY REVENUE ANALYSIS □ 166

FIGURE 42 □ FIVE-YEAR REVENUE ANALYSIS OF TOP PLAYERS IN LASER TRACKER MARKET □ 166

?

10.4 □ MARKET SHARE ANALYSIS, 2021 □ 166

TABLE 154 □ LASER TRACKER MARKET: DEGREE OF COMPETITION □ 166

10.5 □ COMPANY EVALUATION QUADRANT □ 167

10.5.1 □ STARS □ 167

10.5.2 □ EMERGING LEADERS □ 167

10.5.3 □ PERVASIVE PLAYERS □ 168

10.5.4 □ PARTICIPANTS □ 168

FIGURE 43 □ LASER TRACKER MARKET (GLOBAL): COMPANY EVALUATION QUADRANT, 2021 □ 168

10.6 □ STARTUP/SME EVALUATION QUADRANT □ 169

10.6.1 □ PROGRESSIVE COMPANIES □ 169

10.6.2 □ RESPONSIVE COMPANIES □ 169

10.6.3 □ DYNAMIC COMPANIES □ 169

10.6.4 □ STARTING BLOCKS □ 169

FIGURE 44 □ LASER TRACKER MARKET: STARTUP/SME EVALUATION QUADRANT, 2021 □ 170

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10.7	LASER TRACKER MARKET: COMPANY PRODUCT FOOTPRINT	171
	TABLE 155	PRODUCT FOOTPRINT OF COMPANIES
	TABLE 156	INDUSTRY FOOTPRINT OF COMPANIES
	TABLE 157	APPLICATION FOOTPRINT OF COMPANIES
	TABLE 158	REGION FOOTPRINT OF COMPANIES
10.8	LASER TRACKER MARKET: COMPETITIVE BENCHMARKING	175
	TABLE 159	LASER TRACKER MARKET: DETAILED LIST OF KEY STARTUPS/SMES
	TABLE 160	LASER TRACKER MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES, BY INDUSTRY
	TABLE 161	LASER TRACKER MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES, BY APPLICATION
	TABLE 162	LASER TRACKER MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES, BY REGION
10.9	COMPETITIVE SCENARIOS AND TRENDS	177
	TABLE 163	LASER TRACKER MARKET: TOP PRODUCT LAUNCHES AND DEVELOPMENTS, JANUARY 2020 TO JUNE 2022
	TABLE 164	LASER TRACKER MARKET: TOP DEALS AND OTHER DEVELOPMENTS, JANUARY 2020 TO JUNE 2022
11	COMPANY PROFILES	180
	(Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*	
11.1	KEY PLAYERS	180
11.1.1	HEXAGON AB	180
	TABLE 165	HEXAGON AB: COMPANY OVERVIEW
	FIGURE 45	HEXAGON AB: COMPANY SNAPSHOT
11.1.2	FARO TECHNOLOGIES, INC.	184
	TABLE 166	FARO TECHNOLOGIES, INC.: COMPANY OVERVIEW
	FIGURE 46	FARO TECHNOLOGIES, INC.: COMPANY SNAPSHOT
11.1.3	AUTOMATED PRECISION, INC.	188
	TABLE 167	AUTOMATED PRECISION, INC.: COMPANY OVERVIEW
11.1.4	SGS	192
	TABLE 168	SGS: COMPANY OVERVIEW
	FIGURE 47	SGS: COMPANY SNAPSHOT
11.1.5	HUBBS MACHINE & MANUFACTURING INC.	195
	TABLE 169	HUBBS MACHINE & MANUFACTURING INC.: COMPANY OVERVIEW
11.1.6	MITUTOYO CORPORATION	196
	TABLE 170	MITUTOYO CORPORATION: COMPANY OVERVIEW
11.1.7	VMT GMBH	197
	TABLE 171	VMT GMBH: COMPANY OVERVIEW
11.1.8	ON-TRAK PHOTONICS, INC.	198
	TABLE 172	ON-TRAK PHOTONICS, INC.: COMPANY OVERVIEW
11.1.9	CHOTEST TECHNOLOGY INC.	199
	TABLE 173	CHOTEST TECHNOLOGY INC.: COMPANY OVERVIEW
11.1.10	INNOVMETRIC SOFTWARE INC.	200
	TABLE 174	INNOVMETRIC SOFTWARE INC.: COMPANY OVERVIEW
11.2	OTHER KEY PLAYERS	202
11.2.1	3D SYSTEMS, INC.	202
11.2.2	VERISURF SOFTWARE, INC.	202
11.2.3	METROLOGIC GROUP	203
11.2.4	VARIATION REDUCTION SOLUTIONS, INC.	203
11.2.5	BRUNSON INSTRUMENT COMPANY	204
11.2.6	MACTECH ONSITE FIELD MACHINING SOLUTIONS	204

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- 11.2.7 EAST COAST METROLOGY, LLC 205
- 11.2.8 ADVANCED DIMENSIONAL SOLUTIONS PTY LTD 205
- 11.2.9 HIWE SQS 206
- 11.2.10 DIVERSE DIMENSIONS 206
- 11.2.11 MANCHESTER METROLOGY LIMITED 207
- 11.2.12 PLX INC 207
- 11.2.13 OASIS ALIGNMENT SERVICES 208
- 11.2.14 3D ENGINEERING SOLUTIONS 208
- 11.2.15 SCHAEFFER PRECISION ALIGNMENT, INC. 209
- 11.2.16 LEISTERTECH 209
- 11.2.17 AURUM 3D 210
- 11.2.18 NEBULA3D SERVICES 210

*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

?

- 12 APPENDIX 211
- 12.1 DISCUSSION GUIDE 211
- 12.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL 213
- 12.3 CUSTOMIZATION OPTIONS 215
- 12.4 RELATED REPORTS 215
- 12.5 AUTHOR DETAILS 216

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