

Surface Roughness Measurement Market by Component (Probes, software Cameras, Lighting Equipment), Surface Type (2D and 3D), Technique Type (Contact and noncontact), Vertical (Automotive, Energy & Power) and Geography - Global forecast to 2025

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Abstracts

“The surface roughness measurement market projected to grow at a CAGR of 4.5% during 2019–2025”

The surface roughness measurement (SRM) market is expected to reach was valued at USD 76628 million in 20189 and is projected to reach USD 998 million by 2025; it is estimated to record a CAGR of 4.5% from 2019 to 2025. The growth of the SRM market can be attributed to the growing requirement for improving product quality and manufacturing processes and increasing expenditure on research and & development activities. However, the dearth of skilled workforce and inclination toward conventional measuring solutions are the major restraints for the growth of the SRM market. Rising adoption of noncontact measurement techniques is the key growth opportunities for the growth of the SRM market. Major challenges faced by the SRM market is the integration of operations due to the implementation of IoT.

“The surface roughness measurement market by component for software to grow at a higher CAGR during forecast period”

Surface roughness measurement equipment are increasingly gaining popularity due to lower hardware costs and the availability of faster processors, but it requires a complete, scalable software that provides all elements necessary for deploying and

developing the images of surface profiles and makes the quality assurance possible. These factors made software the second-largest segment (with a share of ~19%) of the SRM market, based on component, in 2018. The SRM market for software was valued at USD 135 million in 2018 and is projected to reach USD 220 million by 2025; it is expected to grow at the highest CAGR of 7.1% from 2019 to 2025 .

“The automotive vertical is expected to hold the largest share of the market in 2018”

The automotive vertical held the largest share ~31% of the surface roughness measurement(SRM) market in 2018. The SRM market for the automotive vertical was valued at USD 232 million in 2018 and is projected to reach USD 305 million by 2025; it is expected to grow at a CAGR of 3.9% from 2019 to 2025. Growing demand for vehicles, especially from developing countries, has encouraged automotive manufacturers and OEMs to opt for automation to increase production volume and meet the market demand. Surface roughness measurement machines (SRMMs) are required in the automotive industry for inspection, measurement, and quality checking applications of various components . The automotive industry has been increasingly using optical measurement systems and SRMMs instead of conventional strain gauges, accelerometers, transducers, and extensometers for improving the safety and modifying vehicle design.

“North America to dominate the surface roughness measurement market in 2018”

North America is expected to dominate the surface roughness measurement (SRM) market, in terms of size, during the forecast period. Increased funding toward research and development activities and extensive industrial base are the major factors that make North America a dynamic region in the SRM market, with the US being the major contributor. APAC is expected to hold the second-largest share~30%, in terms of value, in 2018. According to the Organisation Internationale des Constructeurs d'Automobiles (OICA), in 2017, ~44 million passenger cars were manufactured in APAC, a growth of 2.5% than that of in 2016. The high rate of technological developments in the automotive and aerospace & defense industries is the key factor driving the growth of the market in APAC. The high rate of adoption of surface roughness measurement machines (SRMMs) for quality control and inspection applications in the automotive and aerospace & defence industries in US; is the key factor that has helped North America in holding the leading position in the SRM market

In the process of determining and verifying the market size for several segments and

sub segments gathered through the secondary research, extensive primary interviews have been conducted with key industry experts in the surface roughness measurement market space. The break-up of primary participants for the report has been shown below:

By Company Type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C-level Executives – 40%, Directors – 20%, and Others – 40%

By Region: North America – 25%, Europe – 20%, Asia Pacific – 40%, and RoW – 15%

The report profiles key players in the surface roughness measurement market with their respective market ranking analysis. Prominent players profiled in this report are Carl Zeiss AG (Germany), Mitutoyo Corporation (Japan), Taylor Hobson (UK), Mahr (Germany), Tokyo Seimitsu Co., Ltd. (Japan), Hexagon AB (Sweden), Faro Technologies (US), Nikon Corporation (Japan), KEYENCE Corporation (Japan), Taylor Hobson (UK), Mitutoyo Corporation (Japan), EXTECH (US), Wenzel (Germany), Starrett (US), JENOPTIK AG (Germany), The Sempre Group (UK), Alicona Imaging GmbH (Austria), Kosaka laboratory Ltd (Japan), KR?SS GmbH (Germany), The Sempre Group (UK), Zygo Corporation (US), Horiba Ltd. (Japan) and Fowler (US)

Research Coverage:

This research report categorizes the global surface roughness measurement market on the basis of component, surface type, technique, vertical, and geography. The report describes the major drivers, restraints, challenges, and opportunities pertaining to the surface roughness measurement market and forecasts the same till 2025.

Key Benefits of Buying the Report

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

1. This report segments the surface roughness measurement market comprehensively and provides the closest market size projection for all subsegments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, challenges, and opportunities for market

growth.

3. This report would help stakeholders understand their competitors better and gain more insights to improve their position in the business. The competitive landscape section includes competitor ecosystem, product developments and launches, partnerships, and mergers and acquisitions.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 DEFINITION

1.3 STUDY SCOPE

1.3.1 YEARS CONSIDERED

1.4 CURRENCY

1.5 LIMITATION

1.6 PACKAGE SIZE

1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

2.1.1 SECONDARY DATA

2.1.1.1 Secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Breakdown of primaries

2.1.3 SECONDARY AND PRIMARY RESEARCH

2.1.3.1 Key industry insights

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE MARKET OPPORTUNITIES IN SURFACE ROUGHNESS MEASUREMENT

(SRM) MARKET

4.2 SURFACE ROUGHNESS MEASUREMENT MARKET, BY SURFACE TYPE

4.3 SURFACE ROUGHNESS MEASUREMENT MARKET, BY TECHNIQUE

4.4 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC, BY COUNTRY

AND VERTICAL

4.5 SURFACE ROUGHNESS MEASUREMENT MARKET, BY GEOGRAPHY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 EVOLUTION

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Growing requirement for improving product quality and manufacturing processes

5.3.1.2 Increasing expenditure on research and development activities

5.3.2 RESTRAINTS

5.3.2.1 Dearth of skilled workforce and inclination toward conventional measuring solutions

5.3.3 OPPORTUNITIES

5.3.3.1 Rising adoption of noncontact measurement techniques

5.3.4 CHALLENGES

5.3.4.1 Integration of operations due to implementation of IoT

5.4 VALUE CHAIN ANALYSIS

5.5 INDUSTRY STANDARDS AND PARAMETERS FOR MEASUREMENT

5.6 EMERGING TRENDS

5.6.1 RAPID DEVELOPMENT OF TECHNOLOGICALLY ADVANCED SENSORS

5.6.2 INCREASED USE OF SCANNING TECHNIQUES FOR INSPECTING MACHINE COMPONENTS

5.6.3 TECHNOLOGICAL ADVANCES IN SURFACE CHARACTERIZATION

6 SURFACE ROUGHNESS MEASUREMENT MARKET, BY COMPONENT

6.1 INTRODUCTION

6.2 PROBES

6.2.1 PROBES WILL HOLD THE LARGEST SHARE OF THE MARKET BY COMPONENT DURING FORECAST PERIOD

6.3 FRAME GRABBERS

6.3.1 INCREASING USE OF NONCONTACT SURFACE ROUGHNESS MEASUREMENT MACHINES TO DRIVE THE MARKET FOR FRAME GRABBERS

6.4 LIGHTING EQUIPMENT

6.4.1 INCREASING DEMAND FOR LIGHTING EQUIPMENT TO DRIVE THE SURFACE ROUGHNESS MEASUREMENT MARKET

6.5 CAMERAS

6.5.1 FRAME RATES

6.5.1.1 25-125 fps frame rates to hold the largest share of the market in 2018

6.5.2 FORMAT

6.5.2.1 Area scan cameras

6.5.2.1.1 The demand for area scan cameras to grow significantly during forecast period

6.5.2.2 Line scan cameras

6.5.2.2.1 Market for line scan cameras to hold the largest share of the market by format during forecast period

6.5.3 SENSING TECHNOLOGY

6.5.3.1 CCD

6.5.3.1.1 The demand for CCD sensing technology to grow significantly during forecast period

6.5.3.2 CMOS

6.5.3.2.1 CMOS to hold the largest share of the market by sensing technology in 2018

6.5.4 INTERFACE STANDARDS

6.5.4.1 Camera Link

6.5.4.1.1 Market for camera link to hold the largest share of the market by interface standard in 2018

6.5.4.2 GigE Vision

6.5.4.2.1 The market for GigE vision to grow at a significant rate during forecast period

6.5.4.3 USB 3.0

6.5.4.3.1 Growing demand for USB 3.0 to drive the market by interface standards during forecast period

6.5.4.4 CoaXPress

6.5.4.4.1 Increasing usage of CoaXPress to drive the market by interface standards during forecast period

6.5.4.5 Others

6.5.4.5.1 Others to drive the market by interface standards during forecast period

6.5.5 IMAGING TECHNOLOGY

6.5.5.1 Structured light system

6.5.5.1.1 Market for structured light system to grow significantly during forecast period

6.5.5.2 Time-of-flight technique

6.5.5.2.1 Time-of-flight technique to hold the largest share of the market by imaging

technology during forecast period

6.5.5.3 Stereo vision system

6.5.5.3.1 Increasing demand for stereo vision system to drive the market by imaging technology during forecast period

6.5.5.4 Comparison between various imaging technologies

6.6 PROCESSORS

6.6.1 MARKET FOR PROCESSORS TO GROW SIGNIFICANTLY DURING FORECAST PERIOD

6.7 SOFTWARE

6.7.1 MARKET FOR SOFTWARE TO GROW AT THE HIGHEST CAGR DURING FORECAST PERIOD

6.8 OTHERS

6.8.1 INCREASING USAGE OF OTHERS COMPONENT TO DRIVE THE OVERALL SURFACE ROUGHNESS MEASUREMENT MARKET

7 SURFACE ROUGHNESS MEASUREMENT MARKET, BY SURFACE TYPE

7.1 INTRODUCTION

7.2 2D

7.2.1 MARKET FOR 2D SURFACE ROUGHNESS MEASUREMENT EQUIPMENT TO HOLD THE LARGEST SHARE OF THE MARKET BY SURFACE TYPE

7.3 3D

7.3.1 MARKET FOR 3D SURFACE ROUGHNESS MEASUREMENT EQUIPMENT TO GROW AT THE HIGHEST CAGR DURING FORECAST PERIOD

8 SURFACE ROUGHNESS MEASUREMENT MARKET, BY TECHNIQUE

8.1 INTRODUCTION

8.2 CONTACT TECHNIQUE

8.2.1 MARKET FOR CONTACT TECHNIQUE TO HOLD THE LARGEST SHARE OF THE MARKET BY TECHNIQUE IN 2018

8.3 NONCONTACT TECHNIQUE

8.3.1 MARKET FOR NONCONTACT TECHNIQUE TO GROW SIGNIFICANTLY DURING FORECAST PERIOD

9 SURFACE ROUGHNESS MEASUREMENT MARKET, BY VERTICAL

9.1 INTRODUCTION

9.2 AUTOMOTIVE

9.2.1 AUTOMOTIVE DESIGN AND STYLING

9.2.1.1 Growing demand for surface roughness measurement machines for automotive design and styling

9.2.2 PILOT PLANT METROLOGY

9.2.2.1 Increasing use of surface roughness measurement machines in pilot plant metrology to reduce the overall cost of assembly line

9.2.3 AUTOMOTIVE COMPONENT INSPECTION

9.2.3.1 Growing usage of surface roughness measurement machines in automotive component inspection to drive the market for automotive vertical

9.2.4 OTHER APPLICATIONS OF SRMMS IN AUTOMOTIVE INDUSTRY

9.2.4.1 Other applications to drive the demand for surface roughness measurement machines during the forecast period

9.3 AEROSPACE & DEFENCE

9.3.1 AIRCRAFT COMPONENT DESIGN AND INSPECTION

9.3.1.1 Growing use of surface roughness measurement machines in aircraft component design and inspection to drive the market for aerospace & defence vertical

9.3.2 DEFENCE EQUIPMENT DESIGN AND INSPECTION

9.3.2.1 Defence equipment design and inspection application to drive the demand for surface roughness measurement machines

9.3.3 SPACE EXPLORATION EQUIPMENT DESIGN AND INSPECTION

9.3.3.1 Space exploration equipment design and inspection application to drive the market for aerospace & defence vertical

9.4 OPTICS AND METAL BEARING

9.4.1 GROWING DEMAND FOR SURFACE ROUGHNESS MEASUREMENT APPLICATION IN OPTICAL AND METAL BEARING VERTICAL

9.5 MEDICAL & PHARMACEUTICALS

9.5.1 GROWING DEMAND FOR THE SURGICAL IMPLANTS INSPECTION TO DRIVE THE MARKET FOR MEDICAL & PHARMACEUTICAL VERTICAL

9.6 SEMICONDUCTOR

9.6.1 INCREASING USAGE OF SURFACE ROUGHNESS MEASUREMENT MACHINES FOR INSPECTION OF ELECTRONIC COMPONENTS TO DRIVE THE MARKET FOR SEMICONDUCTOR VERTICAL

9.7 ENERGY & POWER

9.7.1 INSPECTION AND MAINTENANCE OF TURBINES (GAS, WIND, HYDRO)

9.7.1.1 Growing demand of component inspection in energy & power vertical to drive the surface roughness measurement market

9.7.2 INSPECTION AND MAINTENANCE OF SOLAR PANELS

9.7.2.1 Increasing demand for inspection and maintenance of solar panels to drive the surface roughness measurement market

9.8 OTHER VERTICALS

9.8.1 GROWING DEMAND FROM OTHERS VERTICAL TO DRIVE THE SURFACE ROUGHNESS MEASUREMENT MARKET DURING FORECAST PERIOD

10 GEOGRAPHIC ANALYSIS

10.1 INTRODUCTION

10.2 NORTH AMERICA

10.2.1 US

10.2.1.1 US to hold the largest share of the surface roughness measurement market in 2018

10.2.2 CANADA

10.2.2.1 Growing demand for component inspection and maintenance to drive the surface roughness measurement market in Canada

10.2.3 MEXICO

10.2.3.1 Surface roughness measurement market in Mexico to grow at a significant CAGR during forecast period

10.3 EUROPE

10.3.1 GERMANY

10.3.1.1 Growing demand from the automotive industry to drive the surface roughness measurement market in Germany

10.3.2 FRANCE

10.3.2.1 Aerospace & defence industry to drive the surface roughness measurement market in France

10.3.3 UK

10.3.3.1 Increasing research and development expenditure to drive the surface roughness measurement market in UK

10.3.4 ITALY

10.3.4.1 Increasing demand for quality control and reverse engineering application to drive the surface roughness measurement market in Italy

10.3.5 SPAIN

10.3.5.1 Increasing demand for component inspection across industries to drive the surface roughness measurement market in Spain

10.3.6 REST OF EUROPE

10.3.6.1 Growing demand from OEMs and manufacturer to drive the surface roughness measurement market in rest of Europe

10.4 APAC

10.4.1 CHINA

10.4.1.1 Major industrial base and growing manufacturing activities to drive the surface roughness measurement market China

10.4.2 JAPAN

10.4.2.1 Growing demand from optics and semiconductor industries to drive the surface roughness measurement market in Japan

10.4.3 SOUTH KOREA

10.4.3.1 Growing demand from electronic component manufacturer to drive the surface roughness measurement market in South Korea

10.4.4 REST OF APAC

10.4.4.1 Growing demand from end use industries to drive the surface roughness measurement market in rest of APAC

10.5 ROW

10.5.1 SOUTH AMERICA

10.5.1.1 Growing demand from Energy & power industry to drive the surface roughness measurement market in South America

10.5.2 MIDDLE EAST AND AFRICA

10.5.2.1 Increasing demand from aerospace industry to drive the surface roughness measurement market in Middle-East and Africa

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

11.2 SURFACE ROUGHNESS MEASUREMENT MARKET RANKING ANALYSIS, 2018

11.3 COMPETITIVE LEADERSHIP MAPPING, 2018

11.3.1 VISIONARY LEADERS

11.3.2 INNOVATORS

11.3.3 DYNAMIC DIFFERENTIATORS

11.3.4 EMERGING COMPANIES

11.4 BUSINESS STRATEGY EXCELLENCE (FOR ALL 25 PLAYERS)

11.5 STRENGTH OF PRODUCT PORTFOLIO (FOR ALL 25 PLAYERS)

11.6 COMPETITIVE SITUATIONS AND TRENDS

11.6.1 PRODUCT LAUNCHES

11.6.2 PARTNERSHIPS, JOINT VENTURES, AND CONTRACTS

11.6.3 EXPANSIONS

11.6.4 COLLABORATIONS AND AGREEMENTS

11.6.5 ACQUISITIONS

12 COMPANY PROFILES

12.1 KEY PLAYERS

(Business Overview, Products and Services Offered, Recent Developments, SWOT Analysis, and MnM View)*

12.1.1 MAHR

12.1.2 TAYLOR HOBSON

12.1.3 HEXAGON AB

12.1.4 EXTECH

12.1.5 STARRETT

12.1.6 CARL ZEISS

12.1.7 MITUTOYO CORPORATION

12.1.8 KEYENCE CORPORATION

12.1.9 JENOPTIK AG

12.1.10 TOKYO SEIMITSU CO., LTD.

* Business Overview, Products and Services Offered, Recent Developments, SWOT Analysis, and

MnM View might not be captured in case of unlisted companies.

12.2 OTHER COMPANIES

12.2.1 FARO TECHNOLOGIES

12.2.2 OPTIMAX IMAGING INSPECTION & MEASUREMENT LTD.

12.2.3 ALICONA IMAGING GMBH

12.2.4 KOSAKA LABORATORY LTD.

12.2.5 WENZEL

12.2.6 KR?SS GMBH

12.2.7 ZYGO CORPORATION

12.2.8 HORIBA LTD.

12.2.9 THE SEMPRE GROUP

12.2.10 FOWLER

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.3 AVAILABLE CUSTOMIZATIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 SURFACE ROUGHNESS MEASUREMENT MARKET, 2016–2025 (UNITS)

TABLE 2 CHARACTERISTICS OF TYPICAL CONTACT AND NONCONTACT TYPE MEASURING INSTRUMENTS

TABLE 3 SURFACE ROUGHNESS MEASUREMENT MARKET, BY COMPONENT, 2016–2025 (USD MILLION)

TABLE 4 SURFACE ROUGHNESS MEASUREMENT MARKET FOR PROBES, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 5 SURFACE ROUGHNESS MEASUREMENT MARKET FOR FRAME GRABBERS, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 6 SURFACE ROUGHNESS MEASUREMENT MARKET FOR LIGHTING EQUIPMENT, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 7 SRM MARKET FOR CAMERAS, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 8 SURFACE ROUGHNESS MEASUREMENT MARKET FOR CAMERAS, BY FRAME RATE, 2016–2025 (USD MILLION)

TABLE 9 SURFACE ROUGHNESS MEASUREMENT MARKET FOR CAMERAS, BY FORMAT, 2016–2025 (USD MILLION)

TABLE 10 SURFACE ROUGHNESS MEASUREMENT MARKET FOR CAMERAS, BY SENSING TECHNOLOGY, 2016–2025 (USD MILLION)

TABLE 11 SURFACE ROUGHNESS MEASUREMENT MARKET FOR CAMERAS, BY INTERFACE STANDARD, 2016–2025 (USD MILLION)

TABLE 12 SURFACE ROUGHNESS MEASUREMENT MARKET FOR CAMERAS, BY IMAGING TECHNOLOGY, 2016–2025 (USD MILLION)

TABLE 13 COMPARATIVE STUDY OF IMAGING TECHNOLOGIES

TABLE 14 SURFACE ROUGHNESS MEASUREMENT MARKET FOR PROCESSORS, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 15 SURFACE ROUGHNESS MEASUREMENT MARKET FOR SOFTWARE, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 16 SURFACE ROUGHNESS MEASUREMENT MARKET FOR OTHER COMPONENTS, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 17 SURFACE ROUGHNESS MEASUREMENT MARKET, BY SURFACE TYPE, 2016–2025 (USD MILLION)

TABLE 18 2D SURFACE ROUGHNESS MEASUREMENT MARKET, BY TECHNIQUE, 2016–2025 (USD MILLION)

TABLE 19 3D SURFACE ROUGHNESS MEASUREMENT MARKET, BY TECHNIQUE,

2016–2025 (USD MILLION)

TABLE 20 SURFACE ROUGHNESS MEASUREMENT MARKET, BY TECHNIQUE,
2016–2025 (USD MILLION)

TABLE 21 SURFACE ROUGHNESS MEASUREMENT MARKET FOR CONTACT
TECHNIQUE, BY VERTICAL, 2016–2025 (USD MILLION)

TABLE 22 SURFACE ROUGHNESS MEASUREMENT MARKET FOR NONCONTACT
TECHNIQUE, BY VERTICAL, 2016–2025 (USD MILLION)

TABLE 23 SURFACE ROUGHNESS MEASUREMENT MARKET, BY VERTICAL,
2016–2025 (USD MILLION)

TABLE 24 SURFACE ROUGHNESS MEASUREMENT MARKET FOR AUTOMOTIVE
VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 25 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA
FOR AUTOMOTIVE VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 26 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR
AUTOMOTIVE VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 27 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR
AUTOMOTIVE VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 28 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR
AUTOMOTIVE VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 29 SURFACE ROUGHNESS MEASUREMENT MARKET FOR AEROSPACE &
DEFENCE VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 30 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR
AEROSPACE & DEFENCE VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 31 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR
AEROSPACE & DEFENCE VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 32 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA
FOR AEROSPACE & DEFENCE, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 33 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR
AEROSPACE & DEFENCE VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 34 SURFACE ROUGHNESS MEASUREMENT MARKET FOR OPTICS AND
METAL BEARING VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 35 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR
OPTICS AND

METAL BEARING, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 36 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA
FOR OPTICS AND METAL BEARING VERTICAL, BY COUNTRY, 2016–2025 (USD
MILLION)

TABLE 37 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR
OPTICS AND METAL BEARING VERTICAL, BY COUNTRY, 2016–2025 (USD

MILLION)

TABLE 38 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR OPTICS AND METAL BEARING VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 39 SURFACE ROUGHNESS MEASUREMENT MARKET FOR MEDICAL AND PHARMACEUTICALS VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 40 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA FOR MEDICAL AND PHARMACEUTICALS VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 41 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR MEDICAL AND PHARMACEUTICALS VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 42 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR MEDICAL AND PHARMACEUTICALS VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 43 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR MEDICAL AND PHARMACEUTICALS VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 44 SURFACE ROUGHNESS MEASUREMENT MARKET FOR SEMICONDUCTOR VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 45 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA FOR SEMICONDUCTOR VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 46 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR SEMICONDUCTOR VERTICAL BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 47 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR SEMICONDUCTOR VERTICAL BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 48 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR SEMICONDUCTOR VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 49 SURFACE ROUGHNESS MEASUREMENT MARKET FOR ENERGY & POWER VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 50 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA FOR ENERGY & POWER VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 51 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR ENERGY & POWER VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 52 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR ENERGY &

POWER VERTICAL, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 53 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR ENERGY &

POWER VERTICAL, BY REGION, 2016–2025 (USD MILLION)

TABLE 54 SURFACE ROUGHNESS MEASUREMENT MARKET FOR OTHER VERTICALS, BY REGION, 2016–2025 (USD MILLION)

TABLE 55 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA FOR

OTHER VERTICALS, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 56 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE FOR OTHER VERTICALS, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 57 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR OTHER VERTICALS, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 58 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW FOR OTHER VERTICALS, BY REGION, 2016–2025 (USD MILLION)

TABLE 59 SURFACE ROUGHNESS MEASUREMENT MARKET, BY REGION, 2016–2025 (USD MILLION)

TABLE 60 SURFACE ROUGHNESS MEASUREMENT MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 61 SURFACE ROUGHNESS MEASUREMENT MARKET IN EUROPE, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 62 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC, BY COUNTRY, 2016–2025 (USD MILLION)

TABLE 63 SURFACE ROUGHNESS MEASUREMENT MARKET IN ROW, BY REGION, 2016–2025 (USD MILLION)

TABLE 64 PRODUCT LAUNCHES, 2016–2018

TABLE 65 PARTNERSHIPS, JOINT VENTURES, AND CONTRACTS, 2016–2017

TABLE 66 EXPANSIONS, 2016–2018

TABLE 67 COLLABORATIONS AND AGREEMENTS, 2016–2018

TABLE 68 ACQUISITIONS, 2016–2018

List Of Figures

LIST OF FIGURES

FIGURE 1 SEGMENTATION OF SURFACE ROUGHNESS MEASUREMENT MARKET

FIGURE 2 SRM MARKET: RESEARCH DESIGN

FIGURE 3 SRM MARKET: BOTTOM-UP APPROACH

FIGURE 4 SRM MARKET: TOP-DOWN APPROACH

FIGURE 5 DATA TRIANGULATION

FIGURE 6 PROBES TO HOLD LARGEST SIZE OF SURFACE ROUGHNESS MEASUREMENT MARKET, BY COMPONENT, IN 2019

FIGURE 7 NONCONTACT TECHNIQUE TO WITNESS HIGHER CAGR IN SURFACE ROUGHNESS MEASUREMENT MARKET DURING FORECAST PERIOD

FIGURE 8 MARKET FOR 3D SURFACE ROUGHNESS MEASUREMENT INSTRUMENTS TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

FIGURE 9 AUTOMOTIVE VERTICAL HELD LARGEST SIZE OF SURFACE ROUGHNESS MEASUREMENT MARKET IN 2018

FIGURE 10 NORTH AMERICA ACCOUNTED FOR LARGEST SHARE OF SURFACE ROUGHNESS MEASUREMENT MARKET IN 2018

FIGURE 11 INCREASING DEMAND FOR SURFACE ROUGHNESS MEASUREMENT EQUIPMENT WILL PROPEL MARKET GROWTH DURING FORECAST PERIOD

FIGURE 12 2D SURFACE ROUGHNESS MEASUREMENT MACHINES ACCOUNTED FOR LARGER MARKET SHARE IN 2018

FIGURE 13 CONTACT TECHNIQUE TO CAPTURE LARGER SHARE OF SURFACE ROUGHNESS MEASUREMENT MARKET IN 2025

FIGURE 14 CHINA AND AUTOMOTIVE VERTICAL TO HOLD LARGEST SHARE OF SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC IN 2019

FIGURE 15 US ACCOUNTED FOR LARGEST SHARE OF OVERALL SURFACE ROUGHNESS MEASUREMENT MARKET IN 2018

FIGURE 16 EVOLUTION OF SURFACE ROUGHNESS MEASUREMENT TECHNOLOGY

FIGURE 17 GROWING REQUIREMENT FOR IMPROVING PRODUCT QUALITY AND MANUFACTURING PROCESSES PROPEL SURFACE ROUGHNESS MEASUREMENT MARKET GROWTH

FIGURE 18 ORIGINAL EQUIPMENT MANUFACTURERS ADD MAXIMUM VALUE TO SURFACE ROUGHNESS MEASUREMENT VALUE CHAIN

FIGURE 19 PICTORIAL REPRESENTATION OF CONTACT-TYPE PROBING SYSTEM

FIGURE 20 PICTORIAL REPRESENTATION OF WORKING PRINCIPLE OF WHITE

LIGHT SCANNER

FIGURE 21 PICTORIAL REPRESENTATION OF NONCONTACT LASER MEASUREMENT DEVICE

FIGURE 22 SURFACE ROUGHNESS MEASUREMENT MARKET FOR SOFTWARE EXPECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 23 PICTORIAL REPRESENTATION OF PROBING SYSTEM

FIGURE 24 TIME-OF-FLIGHT SEGMENT TO COMMAND SRM MARKET FOR CAMERAS BASED ON IMAGING TECHNOLOGY DURING FORECAST PERIOD

FIGURE 25 3D SURFACE ROUGHNESS MEASUREMENT MARKET FOR SOFTWARE TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

FIGURE 26 2D SURFACE ROUGHNESS MEASUREMENT MARKET EXPECTED TO CONTINUE TO ACCOUNT FOR LARGEST MARKET SIZE DURING FORECAST PERIOD

FIGURE 27 NONCONTACT TECHNIQUE TO EXHIBIT HIGHER CAGR DURING FORECAST PERIOD

FIGURE 28 AUTOMOTIVE VERTICAL TO HOLD LARGEST SIZE OF SURFACE ROUGHNESS MEASUREMENT MARKET DURING FORECAST PERIOD

FIGURE 29 APAC TO COMMAND SURFACE ROUGHNESS MEASUREMENT MARKET FOR AEROSPACE & DEFENCE VERTICAL DURING FORECAST PERIOD

FIGURE 30 APAC TO WITNESS HIGHEST CAGR IN SURFACE ROUGHNESS MEASUREMENT MARKET FOR OPTICS AND METAL BEARING VERTICAL DURING FORECAST PERIOD

FIGURE 31 SURFACE ROUGHNESS MEASUREMENT MARKET IN UK FOR SEMICONDUCTOR VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 32 CHINA TO ACCOUNT FOR LARGEST SIZE OF SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC FOR ENERGY & POWER VERTICAL DURING FORECAST PERIOD

FIGURE 33 SURFACE ROUGHNESS MEASUREMENT MARKET IN APAC EXPECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 34 NORTH AMERICA: SNAPSHOT OF SRM MARKET

FIGURE 35 EUROPE: SNAPSHOT OF SRM MARKET

FIGURE 36 APAC: SNAPSHOT OF SRM MARKET

FIGURE 37 SURFACE ROUGHNESS MEASUREMENT MARKET IN SOUTH AMERICA TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

FIGURE 38 PLAYERS IN SRM MARKET ADOPTED PRODUCT LAUNCHES AS THEIR KEY GROWTH STRATEGY DURING 2016–2018

FIGURE 39 RANKING ANALYSIS OF SURFACE ROUGHNESS MEASUREMENT MARKET

PLAYERS, 2018

FIGURE 40 SURFACE ROUGHNESS MEASUREMENT MARKET COMPETITIVE LEADERSHIP MAPPING

FIGURE 41 PRODUCT LAUNCHES AND ACQUISITIONS EMERGED AS KEY BUSINESS STRATEGIES ADOPTED BY MARKET PLAYERS FROM 2016 TO 2018

FIGURE 42 HEXAGON AB: COMPANY SNAPSHOT

FIGURE 43 STARRETT: COMPANY SNAPSHOT

FIGURE 44 CARL ZEISS: COMPANY SNAPSHOT

FIGURE 45 KEYENCE CORPORATION: COMPANY SNAPSHOT

FIGURE 46 JENOPTIK AG: COMPANY SNAPSHOT

FIGURE 47 TOKYO SEIMITSU CO., LTD.: COMPANY SNAPSHOT

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