

APAC & SEA Optical Measurement Market - Industry Trends and Forecast to 2030

Market Report | 2023-07-01 | 314 pages | Data Bridge Market Research

AVAILABLE LICENSES:

- Single User License \$3500.00
- Corporate Users License \$4200.00

Report description:

APAC & SEA optical measurement market is expected to reach USD 2,454,807.92 thousand by 2030 from USD 1,304,699.08 thousand in 2022, growing at a CAGR of 8.3% during the forecast period of 2023 to 2030.

Market Segmentation

APAC & SEA Optical Measurement Market, By Offering (Hardware, Software, and Services), Equipment (Coordinate Measuring Machines, Measuring Microscopes, Vision Measuring Machines, Autocollimators, 3D Scanners, Profile Projectors, Optical Digitizers, and Others), Configuration (Stationary, and portable), Application (Quality Control/Inspection, Topography Measurement/Surface Measuring Technology, Designing, Tool Manufacturing And Mold Making, Tool Reconstruction, Reverse Engineering, Rapid Manufacturing/Prototyping, and Others) End User (Automotive, Semiconductor & Electronics, Industrial Manufacturing, Aerospace & Defense, Energy & Power, Medical, and Others), Distribution Channel (Offline and Online), Country (China, Japan, South Korea, India, Taiwan, Australia, New Zealand, Singapore, Thailand, Malaysia, Indonesia, Philippines, Vietnam, Myanmar, Cambodia, Laos, and Rest of SEA) - Industry Trends and Forecast to 2030

Overview of APAC & SEA Optical Measurement Market Dynamics

Driver

- Increasing demand for automation in manufacturing

Restraint

- High initial investment for setup and operation of optical measurement systems

Opportunity

- Increasing investment in research and development

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Market Players

Some of the major market players operating in the APAC & SEA optical measurement market are:

- KEYENCE CORPORATION
- Nikon Metrology Inc. (A Subsidiary of Nikon Corporation)
- TOKYO SEIMITSU CO., LTD
- JEOL Ltd.
- Mitutoyo Corporation
- Thermo Fisher Scientific Inc.
- NOVA
- Carl Zeiss AG
- Hexagon AB
- Bruker
- Mahr GmbH
- FARO
- JENOPTIK AG
- Quality Vision International
- Micro-Vu
- Leica Microsystems
- Zygo Corporation
- Third Dimension Software Ltd.
- SCANTECH (HANGZHOU) CO., LTD.
- ZG Technology Co., Ltd.
- Holon 3D
- Radical Scientific Equipment Pvt Ltd.
- Vision Engineering Ltd
- Sinowon Innovation Metrology Manufacture Limited

Table of Contents:

TABLE OF CONTENTS	
1 INTRODUCTION	27
1.1 OBJECTIVES OF THE STUDY	27
1.2 MARKET DEFINITION	27
1.3 OVERVIEW OF THE APAC & SEA OPTICAL MEASUREMENT MARKET	27
1.4 CURRENCY AND PRICING	29
1.5 LIMITATIONS	29
1.6 MARKETS COVERED	30
2 MARKET SEGMENTATION	35
2.1 MARKETS COVERED	35
2.2 YEARS CONSIDERED FOR THE STUDY	36
2.3 GEOGRAPHIC SCOPE	36
2.4 DBMR TRIPOD DATA VALIDATION MODEL	37
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	40
2.6 DBMR MARKET POSITION GRID	41

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.7	VENDOR SHARE ANALYSIS	42
2.8	MULTIVARIATE MODELLING	43
2.9	OFFERING TIMELINE CURVE	44
2.10	APPLICATION COVERAGE GRID	45
2.11	SECONDARY SOURCES	46
2.12	ASSUMPTIONS	46
3	EXECUTIVE SUMMARY	47
4	PREMIUM INSIGHTS	50
4.1	TECHNOLOGICAL TRENDS	51
4.2	PATENT ANALYSIS	53
4.3	REGULATORY STANDARDS	55
4.4	CASE STUDIES	56
4.4.1	OPTICAL METHODS FOR MEASURING THICKNESS OF LIQUID SHEETS	56
4.4.2	METHODOLOGY FOR THE DEVELOPMENT OF IN-LINE OPTICAL SURFACE MEASURING INSTRUMENTS WITH A CASE STUDY FOR ADDITIVE SURFACE FINISHING	57
4.4.3	FAST OPTICAL SENSING OF METALS: A CASE STUDY OF CU ²⁺ ASSESSMENT IN SOILS	58
4.5	VALUE CHAIN ANALYSIS	59
4.6	PORTER'S FIVE FORCE ANALYSIS	60
5	MARKET OVERVIEW	61
5.1	DRIVERS	63
5.1.1	INCREASING DEMAND FOR AUTOMATION IN MANUFACTURING	63
5.1.2	GROWING FOCUS ON QUALITY CONTROL	65
5.1.3	INCREASING GOVERNMENT INITIATIVES TO BOOST MANUFACTURING AND AUTOMATION	66
5.1.4	INCREASING USE OF OPTICAL MEASUREMENT SYSTEMS IN VARIOUS INDUSTRIES	67
5.1.5	INTRODUCTION OF HYBRID MEASUREMENT TECHNOLOGY	70
5.2	RESTRAINTS	71
5.2.1	HIGH INITIAL INVESTMENT FOR SETUP AND OPERATION OF OPTICAL MEASUREMENT SYSTEMS	71
5.2.2	TECHNOLOGICAL LIMITATIONS OF OPTICAL MEASUREMENT SYSTEM	73
5.3	OPPORTUNITIES	75
5.3.1	INCREASING INVESTMENT IN RESEARCH AND DEVELOPMENT	75
5.3.2	ADVANCEMENT IN MACHINE VISION FOR AUTOMATED OPTICAL MEASUREMENT SYSTEM	76
5.3.3	STRATEGIC INITIATIVES BY KEY MARKET PLAYERS	78
5.4	CHALLENGES	79
5.4.1	ECONOMIC SLOWDOWN IN THE REGION	79
5.4.2	SYSTEM COMPLEXITY ALONG WITH HIGH INVESTMENT IN SKILLED LABOR	80
6	APAC & SEA OPTICAL MEASUREMENT MARKET, BY OFFERING	83
6.1	OVERVIEW	84
6.2	HARDWARE	85
6.3	SOFTWARE	85
6.4	SERVICES	85
7	APAC & SEA OPTICAL MEASUREMENT MARKET, BY EQUIPMENT	86
7.1	OVERVIEW	87
7.2	COORDINATE MEASURING MACHINES	88
7.3	MEASURING MICROSCOPES	88
7.4	VISION MEASURING MACHINES	88
7.5	AUTOCOLLIMATORS	88
7.6	3D SCANNERS	88

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.7 PROFILE PROJECTORS	89
7.8 OPTICAL DIGITIZERS	89
7.9 OTHERS	89
8 APAC & SEA OPTICAL MEASUREMENT MARKET, BY CONFIGURATION	90
8.1 OVERVIEW	91
8.2 STATIONARY	92
8.3 PORTABLE	92
9 APAC & SEA OPTICAL MEASUREMENT MARKET, BY APPLICATION	93
9.1 OVERVIEW	94
9.2 QUALITY CONTROL/INSPECTION	95
9.3 TOPOGRAPHY MEASUREMENT/SURFACE MEASURING TECHNOLOGY	95
9.4 DESIGNING	95
9.5 TOOL MANUFACTURING AND MOLD MAKING	95
9.6 TOOL RECONSTRUCTION	96
9.7 REVERSE ENGINEERING	96
9.8 RAPID MANUFACTURING/PROTOTYPING	96
9.9 OTHERS	96
10 APAC & SEA OPTICAL MEASUREMENT MARKET, BY END USER	97
10.1 OVERVIEW	98
10.2 AUTOMOTIVE	99
10.2.1 COORDINATE MEASURING MACHINES	100
10.2.2 MEASURING MICROSCOPES	100
10.2.3 VISION MEASURING MACHINES	100
10.2.4 AUTOCOLLIMATORS	100
10.2.5 3D SCANNERS	100
10.2.6 PROFILE PROJECTORS	100
10.2.7 OPTICAL DIGITIZERS	100
10.2.8 OTHERS	100
10.3 SEMICONDUCTOR & ELECTRONICS	100
10.3.1 COORDINATE MEASURING MACHINES	101
10.3.2 MEASURING MICROSCOPES	101
10.3.3 VISION MEASURING MACHINES	101
10.3.4 AUTOCOLLIMATORS	101
10.3.5 3D SCANNERS	101
10.3.6 PROFILE PROJECTORS	102
10.3.7 OPTICAL DIGITIZERS	102
10.3.8 OTHERS	102
10.4 INDUSTRIAL MANUFACTURING	102
10.4.1 COORDINATE MEASURING MACHINES	103
10.4.2 MEASURING MICROSCOPES	103
10.4.3 VISION MEASURING MACHINES	103
10.4.4 AUTOCOLLIMATORS	103
10.4.5 3D SCANNERS	103
10.4.6 PROFILE PROJECTORS	103
10.4.7 OPTICAL DIGITIZERS	103
10.4.8 OTHERS	103
10.5 AEROSPACE & DEFENSE	104

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.5.1	COORDINATE MEASURING MACHINES	104
10.5.2	MEASURING MICROSCOPES	104
10.5.3	VISION MEASURING MACHINES	104
10.5.4	AUTOCOLLIMATORS	105
10.5.5	3D SCANNERS	105
10.5.6	PROFILE PROJECTORS	105
10.5.7	OPTICAL DIGITIZERS	105
10.5.8	OTHERS	105
10.6	ENERGY & POWER	105
10.6.1	COORDINATE MEASURING MACHINES	106
10.6.2	MEASURING MICROSCOPES	106
10.6.3	VISION MEASURING MACHINES	106
10.6.4	AUTOCOLLIMATORS	106
10.6.5	3D SCANNERS	106
10.6.6	PROFILE PROJECTORS	107
10.6.7	OPTICAL DIGITIZERS	107
10.6.8	OTHERS	107
10.7	MEDICAL	107
10.7.1	COORDINATE MEASURING MACHINES	108
10.7.2	MEASURING MICROSCOPES	108
10.7.3	VISION MEASURING MACHINES	108
10.7.4	AUTOCOLLIMATORS	108
10.7.5	3D SCANNERS	108
10.7.6	PROFILE PROJECTORS	109
10.7.7	OPTICAL DIGITIZERS	109
10.7.8	OTHERS	109
10.8	OTHERS	109
11	APAC & SEA OPTICAL MEASUREMENT MARKET, BY DISTRIBUTION CHANNEL	110
11.1	OVERVIEW	111
11.1.1	OFFLINE	112
11.1.1.1	DISTRIBUTORS & WHOLESALE	112
11.1.1.2	DEALERS SPECIALTY STORES	112
11.1.1.3	OTHERS	112
11.1.2	ONLINE	113
11.1.2.1	COMPANY WEBSITE	113
11.1.2.2	THIRD PART E-COMMERCE	113
12	APAC & SEA OPTICAL MEASUREMENT MARKET, BY COUNTRY	114
12.1	OVERVIEW	114
12.2	CHINA	125
12.3	JAPAN	132
12.4	SOUTH KOREA	139
12.5	INDIA	146
12.6	TAIWAN	153
12.7	AUSTRALIA	160
12.8	NEW ZEALAND	167
12.9	SEA	174
12.9.1	SINGAPORE	181

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12.9.2 THAILAND 188
- 12.9.3 MALAYSIA 195
- 12.9.4 INDONESIA 202
- 12.9.5 PHILIPPINES 209
- 12.9.6 VIETNAM 216
- 12.9.7 MYANMAR 223
- 12.9.8 CAMBODIA 230
- 12.9.9 LAOS 237
- 12.9.10 REST OF SEA 244

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

APAC & SEA Optical Measurement Market - Industry Trends and Forecast to 2030

Market Report | 2023-07-01 | 314 pages | Data Bridge Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3500.00
	Corporate Users License	\$4200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-06-25"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com