

Europe X-Ray Photoelectron Spectroscopy Market

Market Report | 2024-07-01 | 165 pages | Data Bridge Market Research

AVAILABLE LICENSES:

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

Report description:

The Europe X-Ray Photoelectron Spectroscopy market is expected to reach USD 195.37 million by 2031 from USD 133.98 million in 2023, growing at a CAGR of 5.2% in the forecast period of 2024 to 2031.

Market Segmentation:

Europe X-ray Photoelectron Spectroscopy market, By Usage (Element Detection, Contamination Detection, Density Estimation, and Empirical Formula Determination), Application (Material Science, Surface Chemistry, Medical Devices, Thin Films and Coatings, Microelectronic Devices, Medical and Biological Samples, Geologic Materials and Others), X-ray Spot Size (Upto 50 μ m, 51-200 μ m, and Above 200 μ m), Method (Qualitative Method, Quantitative Method, and Semi-Quantitative Method), Industry (Semiconductors & Electronics, Metal & Energy, Healthcare, Chemical, Automotive, Aerospace & Defense, Packaging, Printing, and Others), Countries (Germany, U.K., Italy, France, Spain, Russia, Switzerland, Turkey, Belgium, Netherlands, and rest of Europe)-Industry Trends and Forecast to 2031

Overview of Europe X-Ray Photoelectron Spectroscopy Market Dynamics:

Driver

- Rise in demand for medical research

Restrain

- High cost associated with X-ray devices

Opportunity

- Growth in semiconductor and electronics industries

Market Players:

The key market players operating in the Europe X-ray photoelectron spectroscopy market are listed below:

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- Thermo Fisher Scientific Inc.
- HORIBA, Ltd.
- SPECS GmbH
- Staib Instruments

Scienta Omicron

Table of Contents:

1 INTRODUCTION	25
1.1 OBJECTIVES OF THE STUDY	25
1.2 MARKET DEFINITION	25
1.3 OVERVIEW OF THE EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET	25
1.4 CURRENCY AND PRICING	26
1.5 LIMITATIONS	26
1.6 MARKETS COVERED	27
2 MARKET SEGMENTATION	29
2.1 MARKETS COVERED	29
2.2 GEOGRAPHICAL SCOPE	30
2.3 YEARS CONSIDERED FOR THE STUDY	31
2.4 DBMR TRIPOD DATA VALIDATION MODEL	32
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	35
2.6 MULTIVARIATE MODELLING	36
2.7 DBMR MARKET POSITION GRID	37
2.8 VENDOR SHARE ANALYSIS	38
2.9 SECONDARY SOURCES	39
2.10 ASSUMPTIONS	39
3 EXECUTIVE SUMMARY	40
4 PREMIUM INSIGHTS	45
4.1 PESTEL ANALYSIS	46
4.2 PORTER'S FIVE FORCES ANALYSIS	47
5 MARKET OVERVIEW	48
5.1 DRIVERS	50
5.1.1 RISE IN DEMAND FOR MEDICAL RESEARCH	50
5.1.2 RISE IN PREVALENCE OF ELDERLY DISORDERS	51
5.1.3 RISING HYPHENATED TECHNOLOGY POPULARITY	51
5.1.4 GROWING HEALTHCARE AND PHARMACEUTICAL SECTOR	52
5.2 RESTRAINTS	53
5.2.1 HIGH COST ASSOCIATED WITH X-RAY DEVICES	53
5.2.2 LIMITED SAMPLE TYPES OF X-RAY PHOTOELECTRONS	53
5.3 OPPORTUNITIES	54
5.3.1 GROWTH IN SEMICONDUCTOR AND ELECTRONIC INDUSTRIES	54
5.3.2 INCREASE IN THE NUMBER OF RESEARCH AND DEVELOPMENT ACTIVITIES	54
5.3.3 CAPABILITY IN HANDLING COMPLEX ANALYTICAL TASKS	55
5.4 CHALLENGES	56
5.4.1 COMPLEXITY IN OPERATING AND MAINTAINING XPS SYSTEMS	56
5.4.2 ENVIRONMENTAL CONCERNS ASSOCIATED WITH THE USE OF XPS INSTRUMENT	56

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

6 EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET, BY USAGE	57
6.1 OVERVIEW	58
6.2 ELEMENT DETECTION	61
6.3 CONTAMINATION DETECTION	62
6.4 DENSITY ESTIMATION	62
6.5 EMPIRICAL FORMULA DETERMINATION	63
7 EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET, BY APPLICATION	64
7.1 OVERVIEW	65
7.2 MATERIAL SCIENCE	68
7.2.1 METALS	68
7.2.2 POLYMERS	68
7.2.3 COMPOSITES	68
7.2.4 CERAMICS	68
7.3 SURFACE CHEMISTRY	69
7.4 MEDICAL DEVICES	69
7.5 THIN FILMS AND COATINGS	70
7.6 MICROELECTRONIC DEVICES	70
7.7 MEDICAL AND BIOLOGICAL SAMPLES	71
7.8 GEOLOGIC MATERIALS	71
7.9 OTHERS	72
8 EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET, BY X-RAY SPOT SIZE	73
8.1 OVERVIEW	74
8.2 UPTO 50 MM	77
8.3 51-200 µM	78
8.4 ABOVE 200 µM	78
9 EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET, BY METHOD	79
9.1 OVERVIEW	80
9.2 QUALITATIVE METHOD	83
9.3 QUANTITATIVE METHOD	83
9.4 SEMI-QUANTITATIVE METHOD	84
10 EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET, BY INDUSTRY	85
10.1 OVERVIEW	86
10.2 SEMICONDUCTORS & ELECTRONICS	89
10.3 METAL & ENERGY	90
10.4 HEALTHCARE	90
10.5 CHEMICAL	91
10.6 AUTOMOTIVE	91
10.7 AEROSPACE & DEFENCE	92
10.8 PACKAGING	92
10.9 PRINTING	93
10.10 OTHERS	93
11 EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET, BY REGION	94
11.1 EUROPE	96
11.1.1 GERMANY	99
11.1.2 U.K.	101
11.1.3 FRANCE	103
11.1.4 ITALY	105

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

11.1.5	SPAIN	107
11.1.6	RUSSIA	109
11.1.7	TURKEY	111
11.1.8	SWITZERLAND	113
11.1.9	NETHERLANDS	115
11.1.10	AUSTRIA	117
11.1.11	HUNGARY	119
11.1.12	LITHUANIA	121
11.1.13	IRELAND	123
11.1.14	NORWAY	125
11.1.15	POLAND	127
11.1.16	REST OF EUROPE	129
12	EUROPE X-RAY PHOTOELECTRON SPECTROSCOPY MARKET: COMPANY LANDSCAPE	130
12.1	COMPANY SHARE ANALYSIS: EUROPE	130
13	SWOT ANALYSIS	131
14	COMPANY PROFILES	132
14.1	THERMO FISHER SCIENTIFIC INC.	132
14.1.1	COMPANY SNAPSHOT	132
14.1.2	REVENUE ANALYSIS	132
14.1.3	COMPANY SHARE ANALYSIS	133
14.1.4	PRODUCT PORTFOLIO	133
14.1.5	RECENT DEVELOPMENT	134
14.2	HORIBA, LTD.	135
14.2.1	COMPANY SNAPSHOT	135
14.2.2	REVENUE ANALYSIS	135
14.2.3	COMPANY SHARE ANALYSIS	136
14.2.4	PRODUCT PORTFOLIO	136
14.2.5	RECENT DEVELOPMENT	137
14.3	SPECS GMBH	138
14.3.1	COMPANY SNAPSHOT	138
14.3.2	COMPANY SHARE ANALYSIS	138
14.3.3	PRODUCT PORTFOLIO	139
14.3.4	RECENT DEVELOPMENT	139
14.4	STAIB INSTRUMENTS	140
14.4.1	COMPANY SNAPSHOT	140
14.4.2	COMPANY SHARE ANALYSIS	140
14.4.3	PRODUCT PORTFOLIO	141
14.4.4	RECENT DEVELOPMENT	141
14.5	SCIENTA OMICRON	142
14.5.1	COMPANY SNAPSHOT	142
14.5.2	COMPANY SHARE ANALYSIS	142
14.5.3	PRODUCT PORTFOLIO	143
14.5.4	RECENT DEVELOPMENT	144
14.6	BRUKER	145
14.6.1	COMPANY SNAPSHOT	145
14.6.2	REVENUE ANALYSIS	145
14.6.3	PRODUCT PORTFOLIO	146

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

14.6.4 RECENT DEVELOPMENT	147
14.7 HITACHI HIGH-TECH INDIA PRIVATE LIMITED (HITACHI, LTD.)	148
14.7.1 COMPANY SNAPSHOT	148
14.7.2 PRODUCT PORTFOLIO	148
14.7.3 RECENT DEVELOPMENT	149
14.8 INTERTEK GROUP PLC	150
14.8.1 COMPANY SNAPSHOT	150
14.8.2 REVENUE ANALYSIS	150
14.8.3 PRODUCT PORTFOLIO	151
14.8.4 RECENT DEVELOPMENT	151
14.9 JEOL LTD.	152
14.9.1 COMPANY SNAPSHOT	152
14.9.2 REVENUE ANALYSIS	152
14.9.3 PRODUCT PORTFOLIO	153
14.9.4 RECENT DEVELOPMENT	153
14.10 KRATOS ANALYTICAL LTD (A SHIMADZU GROUP COMPANY)	154
14.10.1 COMPANY SNAPSHOT	154
14.10.2 PRODUCT PORTFOLIO	154
14.10.3 RECENT DEVELOPMENT	154
14.11 LANSIENTIFIC.	155
14.11.1 COMPANY SNAPSHOT	155
14.11.2 PRODUCT PORTFOLIO	155
14.11.3 RECENT DEVELOPMENT	155
14.12 NOVA LTD.	156
14.12.1 COMPANY SNAPSHOT	156
14.12.2 REVENUE ANALYSIS	156
14.12.3 PRODUCT PORTFOLIO	157
14.12.4 RECENT DEVELOPMENT	157
14.13 SPECTRIS (MALVERN PANALYTICAL LTD)	158
14.13.1 COMPANY SNAPSHOT	158
14.13.2 REVENUE ANALYSIS	158
14.13.3 PRODUCT PORTFOLIO	159
14.13.4 RECENT DEVELOPMENT	159
14.14 ULVAC-PHI, INCORPORATED	160
14.14.1 COMPANY SNAPSHOT	160
14.14.2 PRODUCT PORTFOLIO	160
14.14.3 RECENT DEVELOPMENT	161
15 QUESTIONNAIRE	162
16 RELATED REPORTS	165

Europe X-Ray Photoelectron Spectroscopy Market

Market Report | 2024-07-01 | 165 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="2025-05-13"/>
		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