

**Spinal Implants Market by Product (Devices (Thoracic, Cervical, Interbody Fusion, Spinal Non-Fusion), Biologics, Stimulators), Application (VCF, Spinal Decompression, Fusion, Non-Fusion), Surgery (Open, MIS), Region & Customer Unmet Need Forecast to 2028**

Market Report | 2024-01-25 | 322 pages | MarketsandMarkets

**AVAILABLE LICENSES:**

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

**Report description:**

The global spinal implants market is projected to reach USD 14.3 billion by 2028 from USD 11.2 billion in 2023, growing at a CAGR of 5.0% during the forecast period. The projected surge in market growth for spinal implants is underpinned by a confluence of compelling advantages. Notably, spinal implants are driven by an aging population, rising cases of spinal conditions, and an increase in research & funding initiatives from public/private organizations for the advancement in spine surgical technologies. Furthermore, the escalating early detection of spinal disorders with improved efficacy for early diagnosis and treatment amplifies the demand for advanced treatment modalities, with spinal implants positioned as a forefront solution. These factors are poised to usher in a phase of robust expansion within the market, consequently shaping the landscape of spinal implant adoption in the forthcoming forecasting years.

"Open surgeries segment to register largest market share in 2022-2028."

Based on the type of surgery, the spinal implant market is segmented into Open surgeries and minimally invasive surgeries. The open surgeries segment registered the largest market share over the forecast period of 2022-2028. The growth of this segment is due to the cases involving intricate spinal deformities like severe scoliosis or advanced kyphosis; open surgeries are frequently the preferred approach. The direct visualization inherent in open procedures enhances surgeons' ability to effectively address complex anatomical abnormalities. Moreover, surgeons' familiarity and expertise with open techniques can influence the choice of procedure. In some cases, particularly for surgeons trained in traditional methods, open surgeries may be preferred., further fueling the segment's advancement.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

"Hospitals segment held the largest share of spinal implants market in 2022, by End-user."

Based on the end-user, the spinal implants market is segmented into Hospitals and orthopedic centers. In 2022, the hospitals segment accounted for the largest share of the global spinal implants market. The growth of this segment is being propelled by factors including a significant portion of spinal surgeries, ranging from routine procedures to complex interventions, early adoption of advanced spinal implant technologies, and shaping trends through their clinical practices.

"Asia Pacific to register significant growth rate in the market during the forecast period."

For the forecasting period 2023-2028, the APAC region is expected to register a significant growth rate in the market during the forecast period. Asia Pacific comprises India, China, Japan, Australia, South Korea, and RoAPAC. The Asia-Pacific (APAC) region has witnessed a significant increase in the market growth rate for spinal implants. There are several drivers that contributed to this growth:

The Asia Pacific market is experiencing growth due to increased investments by government agencies in emerging countries aimed at enhancing healthcare infrastructure. Additionally, the market is benefiting from the rise in independent orthopedic centers, a substantial patient population, and strategic initiatives by industry players to expand their offerings of spinal implant products in the Asia Pacific region.

A breakdown of the primary participants referred to for this report is provided below:

- By Company Type: Tier 1-45%, Tier 2-34%, and Tier 3- 21%
- By Designation: C-level-47%, Director-level-33%, and Others-20%
- By Region: North America-35%, Europe-32%, Asia Pacific-25%, Latin America-6%, and the Middle East & Africa-2%

Prominent players in this market are Medtronic (Ireland), Johnson & Johnson- Depuy Synthes (US), Stryker Corporation (US), NuVasive (US), among others.

#### Research Coverage

- The report studies the spinal implants market based on products, type of surgery, application, end user, and region.
- The report analyzes factors (such as drivers, restraints, opportunities, and challenges) affecting the market growth.
- The report evaluates the opportunities and challenges in the market for stakeholders and provides details of the competitive landscape for market leaders.
- The report studies micro markets with respect to their growth trends, prospects, and contributions to the global spinal implants market
- The report forecasts the revenue of market segments with respect to five major regions.

#### Key Benefits of Buying the Report:

The report will help the new entrants/ market leaders/smaller firms in this market with investment evaluation viability within the spinal implants market through a thorough analysis of comprehensive data, thereby facilitating robust risk assessment and enabling well-informed investment determinations. Benefit from meticulous market segmentation encompassing application, end-user, and regional dimensions, affording tailored insights for precise segment targeting. The report also provides an all-encompassing evaluation of encapsulating pivotal trends, challenges, growth catalysts and prospects, thereby empowering strategic decision-making with astute discernment.

The report provides insights on the following pointers:

- Analysis of key drivers (increasing prevalence of spinal disorder diseases, Increasing geriatric population worldwide, Ongoing advancements in spine surgery technologies), restraints (high cost of treatment procedures and uncertainty in reimbursement structure), opportunities (Growth in the number of hospitals and surgical centers, Emerging markets offers high-growth

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

opportunities), and challenges (lack of adequate physicians and limited awareness) influencing the growth of the spinal implants market

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the spinal implants market.

-□Market Development: Comprehensive information about lucrative markets - the report analyses the spinal implants market across varied regions.

-□Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the spinal implants market

-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Medtronic (Ireland), Johnson & Johnson- Depuy Synthes (US), Stryker Corporation (US), NuVasive (US), among others.

## **Table of Contents:**

1□INTRODUCTION□	45
1.1□STUDY OBJECTIVES□	45
1.2□MARKET DEFINITION□	45
1.2.1□INCLUSIONS AND EXCLUSIONS□	45
1.3□MARKET SCOPE□	46
1.3.1□MARKETS COVERED□	46
1.3.2□REGIONS COVERED□	46
1.3.3□YEARS CONSIDERED□	47
1.4□CURRENCY CONSIDERED□	47
1.5□MARKET STAKEHOLDERS□	47
1.6□SUMMARY OF CHANGES□	48
1.6.1□RECESSION IMPACT□	48
2□RESEARCH METHODOLOGY□	49
2.1□RESEARCH DATA□	49
2.2□RESEARCH DESIGN□	50
2.2.1□SECONDARY RESEARCH□	50
2.2.1.1□Key data from secondary sources□	52
2.2.2□PRIMARY RESEARCH□	52
2.2.2.1□Primary sources□	52
2.2.2.2□Key industry insights□	53
2.2.2.3□Breakdown of primaries□	53
FIGURE 1□BREAKDOWN OF PRIMARY INTERVIEWS: SUPPLY AND DEMAND-SIDE PARTICIPANTS□	53
FIGURE 2□BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION□	54
2.3□MARKET SIZE ESTIMATION□	54
FIGURE 3□RESEARCH METHODOLOGY: HYPOTHESIS BUILDING□	55
2.3.1□BOTTOM-UP APPROACH□	55
2.3.1.1□Approach 1: Company revenue estimation approach□	56
FIGURE 4□SPINAL IMPLANTS MARKET SIZE ESTIMATION: APPROACH 1 (COMPANY REVENUE ESTIMATION)□	56
2.3.1.2□Approach 2: Customer-based market estimation□	56
FIGURE 5□SPINAL IMPLANTS MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH□	57
2.3.1.3□Approach 3: Top-down approach□	57
2.3.1.4□Approach 4: Primary interviews□	57
FIGURE 6□TOP-DOWN APPROACH□	57
2.4□DATA TRIANGULATION AND MARKET BREAKDOWN□	59
FIGURE 7□DATA TRIANGULATION METHODOLOGY□	59

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

2.5	MARKET SHARE ASSESSMENT	60
2.6	STUDY ASSUMPTIONS	60
2.7	RISK ASSESSMENT	60
	TABLE 1 ASSOCIATED RISKS	60
2.8	RESEARCH LIMITATIONS	60
2.9	GROWTH RATE ASSUMPTIONS	61
2.10	RECESSION IMPACT	61
3	EXECUTIVE SUMMARY	62
	FIGURE 8 SPINAL IMPLANTS MARKET, BY TYPE OF SURGERY, 2023 VS. 2028 (USD MILLION)	62
	FIGURE 9 SPINAL IMPLANTS MARKET, BY PRODUCT, 2023 VS. 2028 (USD MILLION)	63
	FIGURE 10 SPINAL IMPLANTS MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)	63
	FIGURE 11 SPINAL IMPLANTS MARKET, BY END USER, 2023 VS. 2028 (USD MILLION)	64
	FIGURE 12 SPINAL IMPLANTS MARKET: GEOGRAPHICAL SNAPSHOT	65
4	PREMIUM INSIGHTS	66
4.1	SPINAL IMPLANTS MARKET OVERVIEW	66
	FIGURE 13 INCREASING INCIDENCE OF SPINAL DISORDERS TO DRIVE MARKET	66
4.2	SPINAL IMPLANTS MARKET: REGIONAL LANDSCAPE, 2023 VS. 2028 (USD MILLION)	66
	FIGURE 14 NORTH AMERICA TO RETAIN LARGEST MARKET SHARE	66
4.3	NORTH AMERICA: SPINAL IMPLANTS MARKET, BY COUNTRY AND END USER, 2022 (USD MILLION)	67
	FIGURE 15 US AND HOSPITALS HELD LARGEST MARKET SHARES IN 2022	67
4.4	SPINAL IMPLANTS MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES	67
	FIGURE 16 CHINA TO REGISTER HIGHEST CAGR OVER FORECAST PERIOD	67
5	MARKET OVERVIEW	68
5.1	INTRODUCTION	68
	FIGURE 17 SPINAL IMPLANTS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	68
5.1.1	DRIVERS	69
5.1.1.1	Innovation in spine surgery technologies	69
5.1.1.2	Increasing incidence of spinal disorders	69
5.1.1.3	Launch of advanced bone graft products	70
5.1.1.4	Increasing demand for MIS procedures	70
5.1.1.5	Growing funding and support for research	71
	TABLE 2 RECENT FUNDING FOR R&D IN SPINAL IMPLANTS	71
5.1.2	RESTRAINTS	71
5.1.2.1	High procedural costs	71
5.1.2.2	Unfavorable regulatory processes and limited reimbursement	72
5.1.3	OPPORTUNITIES	72
5.1.3.1	Rising number of hospitals and surgical centers	72
5.1.3.2	Emerging markets	72
5.1.4	CHALLENGES	73
5.1.4.1	Lack of personnel and limited awareness & education for MIS	73
5.2	PORTER'S FIVE FORCES ANALYSIS	73
	TABLE 3 SPINAL IMPLANTS MARKET: PORTER'S FIVE FORCES ANALYSIS	73
5.2.1	THREAT OF NEW ENTRANTS	73
5.2.2	THREAT OF SUBSTITUTES	74
5.2.3	BARGAINING POWER OF SUPPLIERS	74
5.2.4	BARGAINING POWER OF BUYERS	74
5.2.5	INTENSITY OF COMPETITIVE RIVALRY	74

5.3	REGULATORY ANALYSIS	74
5.3.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	74
TABLE 4	NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	74
TABLE 5	EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	75
TABLE 6	ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	75
TABLE 7	LATIN AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	76
TABLE 8	MIDDLE EAST & AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	76
5.3.1.1	Key regulatory guidelines	76
5.3.1.1.1	US	76
TABLE 9	US FDA: MEDICAL DEVICE REGULATORY APPROVAL PROCESS	77
5.3.1.1.2	Europe	78
5.3.1.1.3	Japan	79
5.4	REIMBURSEMENT SCENARIO	79
TABLE 10	REIMBURSEMENT CODES FOR VARIOUS PROCEDURES	79
5.5	ECOSYSTEM/MARKET MAP	81
5.6	VALUE CHAIN ANALYSIS	81
5.6.1	RESEARCH & DEVELOPMENT	81
5.6.2	PROCUREMENT AND PRODUCT DEVELOPMENT	81
5.6.3	MARKETING, SALES AND DISTRIBUTION, AND POST-SALES SERVICES	82
FIGURE 18	SPINAL IMPLANTS MARKET: VALUE CHAIN ANALYSIS	82
5.7	SUPPLY CHAIN ANALYSIS	82
5.7.1	PROMINENT COMPANIES	82
5.7.2	SMALL & MEDIUM-SIZED COMPANIES	82
5.7.3	END USERS	83
FIGURE 19	SPINAL IMPLANTS MARKET: SUPPLY CHAIN ANALYSIS	83
5.8	PRICING ANALYSIS	83
FIGURE 20	AVERAGE SELLING PRICE OF SPINAL IMPLANTS, BY PRODUCT (FY 2021-2023)	83
FIGURE 21	AVERAGE SELLING PRICE TREND OF SPINAL IMPLANTS (2021-2023), BY REGION (USD)	84
5.9	PATENT ANALYSIS	85
FIGURE 22	PATENT DETAILS FOR SPINAL IMPLANTS (JANUARY 2013-DECEMBER 2023)	85
5.10	TRADE ANALYSIS	86
TABLE 11	IMPORT DATA FOR SPINAL IMPLANTS (HS CODE 9021), BY COUNTRY, 2018-2022 (USD THOUSAND)	86
TABLE 12	EXPORT DATA FOR SPINAL IMPLANTS (HS CODE 3822), BY COUNTRY, 2018-2022 (USD THOUSAND)	86
5.11	KEY CONFERENCES AND EVENTS, 2023-2024	87
TABLE 13	SPINAL IMPLANTS MARKET: DETAILED LIST OF KEY CONFERENCES AND EVENTS IN 2023-2024	87
5.12	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	88
FIGURE 23	EMERGING TRENDS AND OPPORTUNITIES AFFECTING FUTURE REVENUE MIX	88
5.13	KEY STAKEHOLDERS AND BUYING CRITERIA	88
5.13.1	KEY STAKEHOLDERS IN BUYING PROCESS	88
TABLE 14	KEY REQUIREMENTS OF STAKEHOLDERS WHILE BUYING SPINAL IMPLANTS (%)	88
5.13.2	KEY STAKEHOLDERS BUYING CRITERIA	89
FIGURE 24	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF SPINAL IMPLANTS	89
TABLE 15	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY PRODUCT SEGMENTS (%)	89
5.14	SPINAL IMPLANTS MARKET: RECESSION IMPACT	89
5.15	UNMET NEEDS AND KEY PAIN POINTS	90
TABLE 16	SPINAL IMPLANTS MARKET: UNMET CUSTOMER NEEDS AND KEY PAIN POINTS	90
6	SPINAL IMPLANTS MARKET, BY PRODUCT	91

## 6.1 INTRODUCTION 92

TABLE 17 SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 92

## 6.2 THORACIC & LUMBAR FUSION DEVICES 92

TABLE 18 THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 93

TABLE 19 THORACIC & LUMBAR FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 93

### 6.2.1 THORACIC & LUMBAR FUSION DEVICES MARKET, BY APPLICATION 94

TABLE 20 THORACIC & LUMBAR FUSION DEVICES MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 94

### 6.2.2 THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE OF SURGERY 94

TABLE 21 THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION) 94

### 6.2.3 POSTERIOR THORACIC & LUMBAR FUSION DEVICES 94

#### 6.2.3.1 Posterior fusion devices to account for largest market share 94

TABLE 22 POSTERIOR THORACIC & LUMBAR FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 95

### 6.2.4 INTERBODY THORACIC & LUMBAR FUSION DEVICES 95

TABLE 23 INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 96

#### 6.2.4.1 Interbody thoracic & lumbar fusion devices market, by approach 96

TABLE 24 INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY APPROACH, 2021-2028 (USD MILLION) 96

##### 6.2.4.1.1 Anterior lumbar interbody fusion devices 97

TABLE 25 ANTERIOR LUMBAR INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 97

##### 6.2.4.1.2 Posterior lumbar interbody fusion devices 97

TABLE 26 POSTERIOR LUMBAR INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 98

##### 6.2.4.1.3 Transforaminal lumbar interbody fusion devices 98

TABLE 27 TRANSFORAMINAL LUMBAR INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 99

##### 6.2.4.1.4 Axial lumbar interbody fusion devices 99

TABLE 28 AXIAL LUMBAR INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 100

#### 6.2.4.2 Interbody thoracic & lumbar fusion devices market, by material 100

TABLE 29 INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY MATERIAL, 2021-2028 (USD MILLION) 100

##### 6.2.4.2.1 Non-bone interbody fusion devices 100

TABLE 30 NON-BONE INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 101

##### 6.2.4.2.2 Bone interbody fusion devices 101

TABLE 31 BONE INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 101

### 6.2.5 ANTERIOR THORACIC & LUMBAR FUSION DEVICES 102

#### 6.2.5.1 Minimized impact, low chance of blood loss and infection to support demand 102

TABLE 32 ANTERIOR THORACIC & LUMBAR FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 102

## 6.3 CERVICAL FUSION DEVICES 103

TABLE 33 CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 103

TABLE 34 CERVICAL FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 103

### 6.3.1 CERVICAL FUSION DEVICES MARKET, BY APPLICATION 104

TABLE 35 CERVICAL FUSION DEVICES MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 104

### 6.3.2 CERVICAL FUSION DEVICES MARKET, BY TYPE OF SURGERY 104

TABLE 36 CERVICAL FUSION DEVICES MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION) 104

### 6.3.3 ANTERIOR CERVICAL FUSION DEVICES 104

TABLE 37 ANTERIOR CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 105

TABLE 38 ANTERIOR CERVICAL FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 105

#### 6.3.3.1 Anterior cervical plates 105

##### 6.3.3.1.1 Anterior cervical plates to hold largest share of cervical fusion devices market 105

TABLE 39 ANTERIOR CERVICAL PLATES MARKET, BY REGION, 2021-2028 (USD MILLION) 106

#### 6.3.3.2 Anterior cervical screw systems 106

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

6.3.3.2.1	Potential risk of injury to limit acceptance	106
TABLE 40	ANTERIOR CERVICAL SCREW SYSTEMS MARKET, BY REGION, 2021-2028 (USD MILLION)	107
6.3.3.3	Cervical interbody fusion devices	107
6.3.3.3.1	Growing use of PEEK over titanium-based devices to support market growth	107
TABLE 41	CERVICAL INTERBODY FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	107
6.3.4	POSTERIOR CERVICAL FUSION DEVICES	108
TABLE 42	POSTERIOR CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	108
TABLE 43	POSTERIOR CERVICAL FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	108
6.3.4.1	Posterior cervical plates	109
6.3.4.1.1	Plates to hold largest share of posterior cervical fusion devices	109
TABLE 44	POSTERIOR CERVICAL PLATES MARKET, BY REGION, 2021-2028 (USD MILLION)	109
6.3.4.2	Posterior cervical screws	109
6.3.4.2.1	Growing preference for screws over plates in some procedures to favor market growth	109
TABLE 45	POSTERIOR CERVICAL SCREWS MARKET, BY REGION, 2021-2028 (USD MILLION)	110
6.3.4.3	Posterior cervical rods	110
6.3.4.3.1	Advantages of newer screw-rod constructs to drive adoption	110
TABLE 46	POSTERIOR CERVICAL RODS MARKET, BY REGION, 2021-2028 (USD MILLION)	110
6.4	SPINE BIOLOGICS	110
TABLE 47	SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)	111
TABLE 48	SPINE BIOLOGICS MARKET, BY REGION, 2021-2028 (USD MILLION)	112
6.4.1	SPINE BIOLOGICS MARKET, BY APPLICATION	112
TABLE 49	SPINE BIOLOGICS MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	112
6.4.2	SPINE BIOLOGICS MARKET, BY TYPE OF SURGERY	112
TABLE 50	SPINE BIOLOGICS MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)	112
6.4.3	DEMINERALIZED BONE MATRIX	113
6.4.3.1	DBM to hold largest share of spine biologics market	113
TABLE 51	DEMINERALIZED BONE MATRIX MARKET, BY REGION, 2021-2028 (USD MILLION)	113
6.4.4	BONE MORPHOGENETIC PROTEINS	113
6.4.4.1	Safety and effectiveness to drive adoption	113
TABLE 52	BONE MORPHOGENETIC PROTEINS MARKET, BY REGION, 2021-2028 (USD MILLION)	114
6.4.5	BONE SUBSTITUTES	114
6.4.5.1	Easy availability, low cost, and other advantages to support adoption	114
TABLE 53	BONE SUBSTITUTES MARKET, BY REGION, 2021-2028 (USD MILLION)	115
6.4.6	MACHINED BONES	115
6.4.6.1	Rising popularity of PEEK and titanium spaces to restrain usage	115
TABLE 54	MACHINED BONES MARKET, BY REGION, 2021-2028 (USD MILLION)	115
6.4.7	CELL-BASED MATRICES	116
6.4.7.1	Complications such as risk of infection and sensory loss to affect demand	116
TABLE 55	CELL-BASED MATRICES MARKET, BY REGION, 2021-2028 (USD MILLION)	116
6.4.8	ALLOGRAFT BONE	116
6.4.8.1	Lower chance of successful fusion to limit adoption	116
TABLE 56	ALLOGRAFT BONE MARKET, BY REGION, 2021-2028 (USD MILLION)	117
6.5	VCF TREATMENT DEVICES	117
TABLE 57	VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	117
TABLE 58	VCF TREATMENT DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	118
6.5.1	VCF TREATMENT DEVICES MARKET, BY APPLICATION	118
TABLE 59	VCF TREATMENT DEVICES MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	118

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

6.5.2	VCF TREATMENT DEVICES MARKET, BY TYPE OF SURGERY	118
TABLE 60	VCF TREATMENT DEVICES MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)	118
6.5.3	BALLOON KYPHOPLASTY DEVICES	119
6.5.3.1	Better surgical outcomes to ensure sustained demand	119
TABLE 61	BALLOON KYPHOPLASTY DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	119
6.5.4	VERTEBROPLASTY DEVICES	119
6.5.4.1	Chances of cement leakage to limit adoption	119
TABLE 62	VERTEBROPLASTY DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	120
6.6	SPINAL DECOMPRESSION DEVICES	120
TABLE 63	SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)	121
TABLE 64	SPINAL DECOMPRESSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	121
6.6.1	SPINAL DECOMPRESSION DEVICES MARKET, BY APPLICATION	122
TABLE 65	SPINAL DECOMPRESSION DEVICES MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	122
6.6.2	SPINAL DECOMPRESSION DEVICES MARKET, BY TYPE OF SURGERY	122
TABLE 66	SPINAL DECOMPRESSION DEVICES MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)	122
6.6.3	DISCECTOMY	122
6.6.3.1	Rising interest in microdiscectomy to support market growth	122
TABLE 67	SPINAL DECOMPRESSION DEVICES MARKET FOR DISCECTOMY, BY REGION, 2021-2028 (USD MILLION)	123
6.6.4	LAMINOPLASTY, LAMINECTOMY, AND LAMINOTOMY	123
6.6.4.1	Rising incidence of spinal stenosis to drive market	123
TABLE 68	SPINAL DECOMPRESSION DEVICES MARKET FOR LAMINOPLASTY, LAMINECTOMY, AND LAMINOTOMY, BY REGION, 2021-2028 (USD MILLION)	124
6.6.5	FORAMINOTOMY & FORAMINECTOMY	124
6.6.5.1	Growing preference for MIS treatment of cervical radiculopathy to support adoption	124
TABLE 69	SPINAL DECOMPRESSION DEVICES MARKET FOR FORAMINOTOMY & FORAMINECTOMY, BY REGION, 2021-2028 (USD MILLION)	125
6.6.6	FACETECTOMY	125
6.6.6.1	Rising awareness of MIS and risks of facetectomy to restrain growth	125
TABLE 70	SPINAL DECOMPRESSION DEVICES MARKET FOR FACETECTOMY, BY REGION, 2021-2028 (USD MILLION)	126
6.6.7	CORPECTOMY	126
6.6.7.1	Challenging procedures and inherent risks to affect demand	126
TABLE 71	SPINAL DECOMPRESSION DEVICES MARKET FOR CORPECTOMY, BY REGION, 2021-2028 (USD MILLION)	127
6.7	NON-FUSION DEVICES	127
TABLE 72	NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	127
TABLE 73	NON-FUSION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	128
6.7.1	NON-FUSION DEVICES MARKET, BY APPLICATION	128
TABLE 74	NON-FUSION DEVICES MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	128
6.7.2	NON-FUSION DEVICES MARKET, BY TYPE OF SURGERY	128
TABLE 75	NON-FUSION DEVICES MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)	128
6.7.3	DYNAMIC STABILIZATION DEVICES	129
TABLE 76	DYNAMIC STABILIZATION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	129
TABLE 77	DYNAMIC STABILIZATION DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	129
6.7.3.1	Interspinous process spacers	129
6.7.3.1.1	Positive outcomes and outpatient procedures to drive demand	129
TABLE 78	INTERSPINOUS PROCESS SPACERS MARKET, BY REGION, 2021-2028 (USD MILLION)	130
6.7.3.2	Pedicle screw-based dynamic rod devices	130
6.7.3.2.1	Need for long-term safety and efficacy evidence to restrain adoption	130

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)



TABLE 79	PEDICLE SCREW-BASED DYNAMIC ROD DEVICES, BY REGION, 2021-2028 (USD MILLION)	130
6.7.3.3	Facet replacement products	131
6.7.3.3.1	Positive clinical outcomes and rising interest from players to support growth	131
TABLE 80	FACET REPLACEMENT PRODUCTS MARKET, BY REGION, 2021-2028 (USD MILLION)	131
6.7.4	ARTIFICIAL DISCS	131
TABLE 81	ARTIFICIAL DISCS MARKET, BY TYPE, 2021-2028 (USD MILLION)	131
TABLE 82	ARTIFICIAL DISCS MARKET, BY REGION, 2021-2028 (USD MILLION)	132
6.7.4.1	Artificial cervical discs	132
6.7.4.1.1	Increasing adoption of artificial disc replacement to drive market	132
TABLE 83	ARTIFICIAL CERVICAL DISCS MARKET, BY REGION, 2021-2028 (USD MILLION)	132
6.7.4.2	Artificial lumbar discs	133
6.7.4.2.1	Limited evidence for effectiveness and possibility of complications to hinder growth	133
TABLE 84	ARTIFICIAL LUMBAR DISCS MARKET, BY REGION, 2021-2028 (USD MILLION)	133
6.7.5	ANNULUS REPAIR DEVICES	134
6.7.5.1	Rising target patient population to drive usage	134
TABLE 85	ANNULUS REPAIR DEVICES MARKET, BY REGION, 2021-2028 (USD MILLION)	134
6.7.6	NUCLEAR DISC PROSTHESES	134
6.7.6.1	Nuclear disc prostheses to register high growth	134
TABLE 86	NUCLEAR DISC PROSTHESES MARKET, BY REGION, 2021-2028 (USD MILLION)	134
6.8	SPINE BONE STIMULATORS	135
TABLE 87	SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	135
TABLE 88	SPINE BONE STIMULATORS MARKET, BY REGION, 2021-2028 (USD MILLION)	135
6.8.1	SPINE BONE STIMULATORS MARKET, BY APPLICATION	136
TABLE 89	SPINE BONE STIMULATORS MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	136
6.8.2	SPINE BONE STIMULATORS MARKET, BY TYPE OF SURGERY	136
TABLE 90	SPINE BONE STIMULATORS MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)	136
6.8.3	NONINVASIVE SPINE BONE STIMULATORS	136
TABLE 91	NONINVASIVE SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	136
TABLE 92	NONINVASIVE SPINE BONE STIMULATORS MARKET, BY REGION, 2021-2028 (USD MILLION)	137
6.8.3.1	Pulsed electromagnetic field devices	137
6.8.3.2	CC & CMF devices	137
6.8.4	INVASIVE SPINE BONE STIMULATORS	138
6.8.4.1	Disadvantages and complications to affect pace of market growth	138
TABLE 93	INVASIVE SPINE BONE STIMULATORS MARKET, BY REGION, 2021-2028 (USD MILLION)	138
7	SPINAL IMPLANTS MARKET, BY TYPE OF SURGERY	139
7.1	INTRODUCTION	140
TABLE 94	SPINAL IMPLANTS MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)	140
7.2	OPEN SURGERY	140
7.2.1	INCREASING PREFERENCE FOR OPEN SPINE SURGERIES TO DRIVE MARKET	140
TABLE 95	SPINAL IMPLANTS MARKET FOR OPEN SURGERY, BY REGION, 2021-2028 (USD MILLION)	141
7.3	MINIMALLY INVASIVE SURGERY	141
7.3.1	MINIMALLY INVASIVE SURGERY SEGMENT TO REGISTER HIGHEST GROWTH	141
TABLE 96	SPINAL IMPLANTS MARKET FOR MINIMALLY INVASIVE SURGERY, BY REGION, 2021-2028 (USD MILLION)	142
8	SPINAL IMPLANTS MARKET, BY APPLICATION	143
8.1	INTRODUCTION	144
TABLE 97	SPINAL IMPLANTS MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	144
8.2	SPINAL FUSION & FIXATION	144

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

8.2.1	SPINAL FUSION & FIXATION TECHNOLOGIES TO DOMINATE MARKET OVER FORECAST PERIOD	144
TABLE 98 SPINAL IMPLANTS MARKET FOR SPINAL FUSION & FIXATION, BY REGION, 2021-2028 (USD MILLION)		
8.3	VCF TREATMENT	145
8.3.1	INCREASING FRACTURE INCIDENCE TO SUPPORT MARKET GROWTH	145
TABLE 99 SPINAL IMPLANTS MARKET FOR VCF TREATMENT, BY REGION, 2021-2028 (USD MILLION)		
8.4	MOTION PRESERVATION/NON-FUSION	146
8.4.1	MOTION PRESERVATION/NON-FUSION TECHNOLOGIES TO WITNESS HIGHEST GROWTH	146
TABLE 100 SPINAL IMPLANTS MARKET FOR MOTION PRESERVATION/NON-FUSION, BY REGION, 2021-2028 (USD MILLION)		
8.5	SPINAL DECOMPRESSION	147
8.5.1	RIISING INCIDENCE OF SPINAL TUMORS AND DEVELOPMENT OF MINIMALLY INVASIVE DEVICES TO DRIVE MARKET	147
TABLE 101 SPINAL IMPLANTS MARKET FOR SPINAL DECOMPRESSION, BY REGION, 2021-2028 (USD MILLION)		
9	SPINAL IMPLANTS MARKET, BY END USER	149
9.1	INTRODUCTION	150
TABLE 102 SPINAL IMPLANTS MARKET, BY END USER, 2021-2028 (USD MILLION)		
9.2	HOSPITALS	150
9.2.1	HOSPITALS TO HOLD LARGEST MARKET SHARE	150
TABLE 103 SPINAL IMPLANTS MARKET FOR HOSPITALS, BY REGION, 2021-2028 (USD MILLION)		
9.3	ORTHOPEDIC CENTERS	151
9.3.1	EARLY DETECTION OF SPINAL DISORDERS AND LOWER TURNAROUND TIME TO DRIVE MARKET	151
TABLE 104 SPINAL IMPLANTS MARKET FOR ORTHOPEDIC CENTERS, BY REGION, 2021-2028 (USD MILLION)		
10	SPINAL IMPLANTS MARKET, BY REGION	152
10.1	INTRODUCTION	153
TABLE 105 SPINAL IMPLANTS MARKET, BY REGION, 2021-2028 (USD MILLION)		
10.2	NORTH AMERICA	153
10.2.1	NORTH AMERICA: RECESSION IMPACT	153
FIGURE 25 NORTH AMERICA: MARKET SNAPSHOT		
TABLE 106 NORTH AMERICA: SPINAL IMPLANTS MARKET, BY COUNTRY, 2021-2028 (USD MILLION)		
TABLE 107 NORTH AMERICA: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION)		
TABLE 108 NORTH AMERICA: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 109 NORTH AMERICA: INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY APPROACH, 2021-2028 (USD MILLION)		
TABLE 110 NORTH AMERICA: INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY MATERIAL, 2021-2028 (USD MILLION)		
TABLE 111 NORTH AMERICA: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 112 NORTH AMERICA: ANTERIOR CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 113 NORTH AMERICA: POSTERIOR CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 114 NORTH AMERICA: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 115 NORTH AMERICA: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 116 NORTH AMERICA: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)		
TABLE 117 NORTH AMERICA: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 118 NORTH AMERICA: DYNAMIC STABILIZATION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 119 NORTH AMERICA: ARTIFICIAL DISCS MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 120 NORTH AMERICA: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 121 NORTH AMERICA: NONINVASIVE SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)		
TABLE 122 NORTH AMERICA: SPINAL IMPLANTS MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION)		
TABLE 123 NORTH AMERICA: SPINAL IMPLANTS MARKET, BY APPLICATION, 2021-2028 (USD MILLION)		
TABLE 124 NORTH AMERICA: SPINAL IMPLANTS MARKET, BY END USER, 2021-2028 (USD MILLION)		

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## 10.2.2 US 162

### 10.2.2.1 US to dominate North American market 162

TABLE 125 US: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 162

TABLE 126 US: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 163

TABLE 127 US: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 163

TABLE 128 US: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION) 164

TABLE 129 US: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 164

TABLE 130 US: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION) 165

TABLE 131 US: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 165

TABLE 132 US: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION) 165

### 10.2.3 CANADA 166

#### 10.2.3.1 Inadequate reimbursement for spinal procedures to restrain market growth 166

TABLE 133 CANADA: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 166

TABLE 134 CANADA: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 167

TABLE 135 CANADA: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 167

TABLE 136 CANADA: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION) 168

TABLE 137 CANADA: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 168

TABLE 138 CANADA: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION) 169

TABLE 139 CANADA: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 169

TABLE 140 CANADA: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION) 169

## 10.3 EUROPE 170

### 10.3.1 EUROPE: RECESSION IMPACT 170

TABLE 141 EUROPE: SPINAL IMPLANTS MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 170

TABLE 142 EUROPE: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 171

TABLE 143 EUROPE: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 171

TABLE 144 EUROPE: INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY APPROACH, 2021-2028 (USD MILLION) 172

TABLE 145 EUROPE: INTERBODY THORACIC & LUMBAR FUSION DEVICES MARKET, BY MATERIAL, 2021-2028 (USD MILLION) 172

TABLE 146 EUROPE: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 173

TABLE 147 EUROPE: ANTERIOR CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 173

TABLE 148 EUROPE: POSTERIOR CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 173

TABLE 149 EUROPE: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION) 174

TABLE 150 EUROPE: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 174

TABLE 151 EUROPE: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION) 175

TABLE 152 EUROPE: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 175

TABLE 153 EUROPE: DYNAMIC STABILIZATION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 176

TABLE 154 EUROPE: ARTIFICIAL DISCS MARKET, BY TYPE, 2021-2028 (USD MILLION) 176

TABLE 155 EUROPE: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION) 176

TABLE 156 EUROPE: NONINVASIVE SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION) 177

TABLE 157 EUROPE: SPINAL IMPLANTS MARKET, BY TYPE OF SURGERY, 2021-2028 (USD MILLION) 177

TABLE 158 EUROPE: SPINAL IMPLANTS MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 177

TABLE 159 EUROPE: SPINAL IMPLANTS MARKET, BY END USER, 2021-2028 (USD MILLION) 178

### 10.3.2 GERMANY 178

#### 10.3.2.1 Germany to hold largest market share in Europe 178

TABLE 160 GERMANY: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 178

TABLE 161 GERMANY: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 179

TABLE 162 GERMANY: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION) 179

TABLE 163 GERMANY: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION) 180

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

TABLE 164	GERMANY: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	180
TABLE 165	GERMANY: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)	181
TABLE 166	GERMANY: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	181
TABLE 167	GERMANY: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	181
10.3.3 FRANCE 182		
10.3.3.1 Rising healthcare expenditure to support market growth 182		
TABLE 168	FRANCE: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	182
TABLE 169	FRANCE: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	182
TABLE 170	FRANCE: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	183
TABLE 171	FRANCE: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)	183
TABLE 172	FRANCE: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	183
TABLE 173	FRANCE: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)	184
TABLE 174	FRANCE: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	184
TABLE 175	FRANCE: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	184
10.3.4 UK 185		
10.3.4.1 Rising cost of spinal surgeries to hinder market growth 185		
TABLE 176	UK: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	185
TABLE 177	UK: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	186
TABLE 178	UK: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	186
TABLE 179	UK: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)	187
TABLE 180	UK: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	187
TABLE 181	UK: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)	188
TABLE 182	UK: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	188
TABLE 183	UK: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	188
10.3.5 ITALY 189		
10.3.5.1 Demand for MIS to positively affect market growth 189		
TABLE 184	ITALY: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	189
TABLE 185	ITALY: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	190
TABLE 186	ITALY: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	190
TABLE 187	ITALY: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)	191
TABLE 188	ITALY: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	191
TABLE 189	ITALY: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)	192
TABLE 190	ITALY: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	192
TABLE 191	ITALY: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	192
10.3.6 SPAIN 193		
10.3.6.1 Growing preference for MIS to support market growth 193		
TABLE 192	SPAIN: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	193
TABLE 193	SPAIN: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	194
TABLE 194	SPAIN: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	194
TABLE 195	SPAIN: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)	195
TABLE 196	SPAIN: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	195
TABLE 197	SPAIN: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)	196
TABLE 198	SPAIN: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	196
TABLE 199	SPAIN: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)	196
10.3.7 REST OF EUROPE 197		
TABLE 200	REST OF EUROPE: SPINAL IMPLANTS MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	197
TABLE 201	REST OF EUROPE: THORACIC & LUMBAR FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)	197

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

TABLE 202☐REST OF EUROPE: CERVICAL FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)☐198

TABLE 203☐V: SPINE BIOLOGICS MARKET, BY TYPE, 2021-2028 (USD MILLION)☐198

TABLE 204☐REST OF EUROPE: VCF TREATMENT DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)☐198

TABLE 205☐REST OF EUROPE: SPINAL DECOMPRESSION DEVICES MARKET, BY PROCEDURE, 2021-2028 (USD MILLION)☐199

TABLE 206☐REST OF EUROPE: NON-FUSION DEVICES MARKET, BY TYPE, 2021-2028 (USD MILLION)☐199

TABLE 207☐REST OF EUROPE: SPINE BONE STIMULATORS MARKET, BY TYPE, 2021-2028 (USD MILLION)☐199

**Spinal Implants Market by Product (Devices (Thoracic, Cervical, Interbody Fusion, Spinal Non-Fusion), Biologics, Stimulators), Application (VCF, Spinal Decompression, Fusion, Non-Fusion), Surgery (Open, MIS), Region & Customer Unmet Need Forecast to 2028**

Market Report | 2024-01-25 | 322 pages | MarketsandMarkets

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	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		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"/>

**Scotts International. EU Vat number: PL 6772247784**

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

www.scotts-international.com

Zip Code\*

Country\*

Date

Signature