

High-Speed Separators Market by Type (Disc-stack Centrifuges, Decanter Centrifuges, Tubular Centrifuges, Basket Centrifuges, Solid-bowl Centrifuges), Capacity (Small Capacity (3,000-10,000 L/Hour), Medium Capacity (10,000-30,000 L/Hour), Large Capacity (> 30,000 L/Hour)), Application (Dairy Processing, Beverage Clarification, Edible Oil Refining, Plant-based Protein Processing, Brewing And Fermentation), and Region - Global Forecast to 2030

Market Report | 2025-12-18 | 296 pages | MarketsandMarkets

AVAILABLE LICENSES:

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

Report description:

The high-speed separators market size is projected to grow from USD 1.09 billion in 2025 to USD 1.39 billion by 2030, registering a CAGR of 5.0% during the forecast period.

The demand for high-speed separators is increasing due to the growing need for efficient and precise solid-liquid separation in modern food, beverage, and dairy processing. These systems provide consistent removal of suspended solids, fats, and other impurities while maintaining product uniformity and safety. The focus on high-quality production, compliance with strict hygiene standards, and optimization of operational efficiency drives their adoption. Furthermore, industries are seeking equipment that is capable of continuous operation, offers energy efficiency, and requires minimal maintenance, thereby enabling higher throughput and reduced downtime. Together, these factors reinforce the essential role of high-speed separators in large-scale processing operations.

Scotts International. EU Vat number: PL 6772247784

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

www.scott-international.com

"By type, the disc-stack centrifuges segment is anticipated to account for the largest market share during the forecast period." Disc-stack centrifuges account for the largest share in the high-speed separators market due to their ability to deliver highly efficient, continuous separation of fine solids from liquids in demanding processing environments. These systems are particularly suited for applications requiring precise clarification, microbial reduction, and consistent product quality, such as in dairy, edible oils, and beverage production. Their compact design, combined with high centrifugal force and a large settling area, enables the rapid processing of high-volume streams while maintaining operational reliability and hygienic standards. The versatility, energy efficiency, and low maintenance requirements of disc-stack centrifuges make them a preferred choice for processors seeking optimal performance and enhanced process control.

"By capacity, the small capacity (3,000-10,000 L/Hour) segment is anticipated to account for the largest market share during the forecast period."

The small capacity (3,000-10,000 L/Hour) segment accounts for the largest share in the market due to its operational efficiency in controlled and specialized processing environments. These separators enable producers to maintain precise separation of solids and liquids, ensuring consistent product quality. Their smaller footprint facilitates installation in limited-space facilities, while the simpler mechanical design reduces operational complexity. Additionally, they provide flexibility for handling varying production volumes, supporting batch-wise or continuous processing, and enable cost-effective adoption for manufacturers focused on process optimization, resource efficiency, and maintaining high standards of hygiene in food, beverage, and dairy production.

"By application, the dairy processing segment is anticipated to account for the largest market share during the forecast period."

Dairy processing accounts for the largest share of the high-speed separators market due to the critical role separation plays in ensuring product quality, safety, and consistency. These separators efficiently remove milk solids, fats, and microbial impurities, supporting the production of milk, cream, cheese, and other dairy derivatives with uniform composition and extended shelf life. The growing complexity of dairy formulations, the demand for high-purity ingredients, and the need to meet stringent regulatory and hygiene standards have intensified reliance on advanced separation equipment. Furthermore, dairy processors benefit from continuous operation, reduced downtime, and enhanced yield efficiency provided by high-speed separators, making them indispensable in modern dairy manufacturing and large-scale industrial processing.

"Asia Pacific is anticipated to account for the largest market share during the forecast period."

Asia Pacific accounts for the largest share in the high-speed separators market due to the region's expansive and rapidly modernizing food, beverage, and dairy industries. The increasing establishment of large-scale processing facilities, coupled with growing consumer demand for high-quality and safe dairy and beverage products, has driven substantial adoption of advanced separation technologies. Additionally, the region benefits from a strong manufacturing ecosystem that supports local production and maintenance of high-speed separators, reducing lead times and operational costs. Rising investments in automation, energy-efficient equipment, and hygienic processing systems further enhance the appeal of high-speed separators. Combined with the growing trend of processed and value-added products across urban and semi-urban markets, these factors solidify Asia Pacific's position as the leading market globally.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the high-speed separators market. Information was also gathered from secondary research to determine and verify the market size of several segments.

-□By Company Type: Tier 1 - 50%, Tier 2 - 30%, and Tier 3 - 20%

-□By Designation: Managers- 15%, Directors - 20%, and Others - 65%

-□By Region: North America - 30%, Europe - 25%, Asia Pacific - 35%, the Middle East & Africa -5%, and South America- 5%

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

The high-speed separators market comprises major players such as ALFA LAVAL (Sweden), GEA Group Aktiengesellschaft (Germany), Mitsubishi Kakoki Kaisha, Ltd. (Japan), TOMOE Engineering Co., Ltd. (Japan), Tetra Pak International S.A. (Sweden), IHI Rotating Machinery Engineering Co., Ltd. (Japan), Ferrum AG (Switzerland), ANDRITZ (Austria), SPX FLOW, Inc. (US), and Flottweg SE (Germany). The study includes an in-depth competitive analysis of key players in the high-speed separators market, featuring their company profiles, recent developments, and key market strategies.

Research Coverage

This report segments the high-speed separators market by type, capacity, application, and region, and provides estimations for the overall market value across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, and expansions associated with the high-speed separators market.

Key benefits of buying this report

This research report is focused on various levels of analysis - industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view of the competitive landscape; emerging and high-growth segments of the high-speed separators market; high-growth regions; and market drivers, restraints, opportunities, and challenges. The report provides insights into the following pointers:

- Analysis of drivers: (Growing dairy production and processing volumes), restraints (High capital and maintenance costs), opportunities (Rising government incentives for sustainable food automation create strong opportunities), and challenges (Minimizing energy consumption of high-speed systems without compromising separation efficiency) influencing the growth of high-speed separators market.
- Market Penetration: Comprehensive information on the high-speed separators offered by top players in the global market.
- Product Development/Innovation: Detailed insights on upcoming technologies, product launches, expansions, and acquisitions in the high-speed separators market.
- Market Development: Comprehensive information about lucrative emerging markets, the report analyzes the markets for high-speed separators across regions.
- Market Capacity: Production capacity of the companies is provided wherever available, with upcoming capacities for the high-speed separators market.
- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the high-speed separators market.

Table of Contents:

1	INTRODUCTION	27
1.1	STUDY OBJECTIVES	27
1.2	MARKET DEFINITION	27
1.3	STUDY SCOPE	28
1.3.1	MARKETS COVERED AND REGIONAL SCOPE	28
1.3.2	INCLUSIONS AND EXCLUSIONS	29
1.3.3	YEARS CONSIDERED	30
1.3.4	CURRENCY CONSIDERED	30
1.4	STAKEHOLDERS	30
1.5	SUMMARY OF CHANGES	30
2	RESEARCH METHODOLOGY	32
2.1	RESEARCH DATA	32
2.1.1	SECONDARY DATA	33
2.1.1.1	Key data from secondary sources	33
2.1.2	PRIMARY DATA	33

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2.1.2.1	Key data from primary sources	34
2.1.2.2	Key primary interview participants	34
2.1.2.3	Breakdown of primary interviews	34
2.1.2.4	Key industry insights	35
2.2	MARKET SIZE ESTIMATION	35
2.2.1	BOTTOM-UP APPROACH	35
2.2.2	TOP-DOWN APPROACH	36
2.3	BASE NUMBER CALCULATION	37
2.3.1	APPROACH 1: SUPPLY-SIDE ANALYSIS	37
2.3.2	APPROACH 2: DEMAND-SIDE ANALYSIS	37
2.4	MARKET FORECAST APPROACH	37
2.4.1	SUPPLY SIDE	37
2.4.2	DEMAND SIDE	38
2.5	DATA TRIANGULATION	38
2.6	FACTOR ANALYSIS	40
2.7	RESEARCH ASSUMPTIONS	40
2.8	RESEARCH LIMITATIONS AND RISK ASSESSMENT	41
3	EXECUTIVE SUMMARY	42
3.1	KEY INSIGHTS AND MARKET HIGHLIGHTS	42
3.2	KEY MARKET PARTICIPANTS: SHARE INSIGHTS AND STRATEGIC DEVELOPMENTS	43
3.3	DISRUPTIVE TRENDS SHAPING MARKET	44
3.4	HIGH-GROWTH SEGMENTS & EMERGING FRONTIERS	45
3.5	SNAPSHOT: GLOBAL MARKET SIZE, GROWTH RATE, AND FORECAST	46
4	PREMIUM INSIGHTS	47
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN HIGH-SPEED SEPARATORS MARKET	47
4.2	HIGH-SPEED SEPARATORS MARKET, BY TYPE AND REGION	48
4.3	HIGH-SPEED SEPARATORS MARKET, BY CAPACITY	48
4.4	HIGH-SPEED SEPARATORS MARKET, BY APPLICATION	49
4.5	HIGH-SPEED SEPARATORS MARKET, BY COUNTRY	50
5	MARKET OVERVIEW	51
5.1	INTRODUCTION	51
5.2	MARKET DYNAMICS	51
5.2.1	DRIVERS	52
5.2.1.1	Growing dairy production and processing volumes	52
5.2.1.2	Rising consumption of refined vegetable oils	53
5.2.2	RESTRAINTS	54
5.2.2.1	High capital and maintenance costs	54
5.2.3	OPPORTUNITIES	54
5.2.3.1	Rising government incentives for sustainable food automation	54
5.2.3.2	High growth in ready-to-drink beverages	55
5.2.4	CHALLENGES	56
5.2.4.1	Minimizing energy consumption without compromising separation efficiency	56
5.2.4.2	Minimizing downtime during cleaning and servicing in fast-moving production environments	56
5.3	UNMET NEEDS AND WHITE SPACES	57
5.3.1	UNMET NEEDS IN HIGH-SPEED SEPARATORS MARKET	57
5.3.2	WHITE SPACE OPPORTUNITIES	57
5.4	INTERCONNECTED MARKETS AND CROSS-SECTOR OPPORTUNITIES	58

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.4.1	INTERCONNECTED MARKETS	58
5.4.2	CROSS-SECTOR OPPORTUNITIES	58
5.5	STRATEGIC MOVES BY TIER-1/2/3 PLAYERS	59
5.5.1	KEY MOVES AND STRATEGIC FOCUS	59
6	INDUSTRY TRENDS	60
6.1	PORTER'S FIVE FORCES ANALYSIS	60
6.1.1	THREAT OF NEW ENTRANTS	61
6.1.2	THREAT OF SUBSTITUTES	61
6.1.3	BARGAINING POWER OF SUPPLIERS	61
6.1.4	BARGAINING POWER OF BUYERS	62
6.1.5	INTENSITY OF COMPETITIVE RIVALRY	62
?		
6.2	MACROECONOMICS INDICATORS	62
6.2.1	INTRODUCTION	62
6.2.2	GDP TRENDS AND FORECAST	62
6.2.3	TRENDS IN GLOBAL FOOD & BEVERAGES INDUSTRY	64
6.3	SUPPLY CHAIN ANALYSIS	65
6.4	VALUE CHAIN ANALYSIS	68
6.5	INDICATIVE PRICING ANALYSIS	69
6.5.1	INDICATIVE PRICING OF HIGH-SPEED SEPARATORS MARKET, BY CAPACITY, 2024	70
6.5.2	INDICATIVE PRICING OF HIGH-SPEED SEPARATORS MARKET AMONG KEY PLAYERS, BY CAPACITY, 2024	70
6.6	ECOSYSTEM ANALYSIS	71
6.7	TRADE ANALYSIS	73
6.7.1	IMPORT SCENARIO (HS CODE 842119)	73
6.7.2	EXPORT SCENARIO (HS CODE 842119)	74
6.8	KEY CONFERENCES AND EVENTS, 2025-2026	75
6.9	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	75
6.10	INVESTMENT AND FUNDING SCENARIO	76
6.11	CASE STUDY ANALYSIS	77
6.11.1	ALFA LAVAL'S CUSTOM SEPARATOR BOOSTS UTILITY RELIABILITY	77
6.11.2	GEA CENTRIFUGES OPTIMIZE PRODUCED WATER TREATMENT AT SAUDI ARAMCO	78
6.11.3	FLOTTWEG SEPARATORS ELEVATE APPLE JUICE PRODUCTION AT VOG PRODUCTS	79
6.12	IMPACT OF 2025 US TARIFF ON HIGH-SPEED SEPARATORS MARKET	79
6.12.1	INTRODUCTION	79
6.12.2	KEY TARIFF RATES	80
6.12.3	PRICE IMPACT ANALYSIS	81
6.12.4	IMPACT ON COUNTRIES/REGIONS	81
6.12.4.1	North America	81
6.12.4.2	Europe	82
6.12.4.3	Asia Pacific	82
6.12.5	IMPACT ON END-USE INDUSTRIES	82
7	TECHNOLOGICAL ADVANCEMENTS, AI-DRIVEN IMPACT, PATENTS, INNOVATIONS, AND FUTURE APPLICATIONS	83
7.1	KEY EMERGING TECHNOLOGIES	83

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 7.1.1 DISK-STACK CENTRIFUGE TECHNOLOGY 83
- 7.1.2 HERMETIC/HYDRO-HERMETIC SEALING SYSTEMS 83
- 7.1.3 VARIABLE FREQUENCY DRIVE (VFD) & HIGH-EFFICIENCY MOTORS 84
- 7.1.4 AUTOMATIC SLUDGE DISCHARGE MECHANISMS 84
- 7.1.5 CLEAN-IN-PLACE (CIP) & STEAM-IN-PLACE (SIP) 85
- ?
- 7.2 COMPLEMENTARY TECHNOLOGIES 85
- 7.2.1 TURBIDITY, SOLIDS, AND OPTICAL MONITORING SENSORS 85
- 7.2.2 HEAT EXCHANGERS (PREHEATING & TEMPERATURE CONDITIONING) 86
- 7.2.3 HYGIENIC PUMPS & FLOW CONTROL SYSTEMS 86
- 7.2.4 SCADA, PLC, AND DIGITAL AUTOMATION PLATFORMS 87
- 7.2.5 INLINE FILTERS, PREFILTERS, AND STRAINERS 87
- 7.3 TECHNOLOGY/PRODUCT ROADMAP 88
- 7.3.1 HISTORICAL FOUNDATION AND CURRENT STATE 88
- 7.3.2 ADVANCED AUTOMATION AND INDUSTRY 4.0 INTEGRATION 88
- 7.3.3 ENERGY EFFICIENCY AND SUSTAINABILITY ENGINEERING 88
- 7.3.4 PRODUCT AND APPLICATION EXPANSION 89
- 7.3.5 FUTURE INNOVATION PATHWAYS 89
- 7.4 PATENT ANALYSIS 89
- 7.4.1 METHODOLOGY 89
- 7.4.2 GRANTED PATENTS, 2015-2024 90
- 7.4.2.1 Publication trends for last ten years 91
- 7.4.3 INSIGHTS 91
- 7.4.4 LEGAL STATUS 91
- 7.4.5 LEGAL STATUS SEARCH WAS CONDUCTED TO DETERMINE IF PATENTS ARE ACTIVE, INACTIVE, OR ABANDONED 91
- 7.4.6 JURISDICTION ANALYSIS 92
- 7.4.7 TOP APPLICANTS 92
- 7.4.8 LIST OF PATENTS BY GEA WESTFALIA SEPARATOR GROUP GMBH 93
- 7.4.9 LIST OF PATENTS BY EPPENDORF HIMAC TECH CO. LTD. 93
- 7.5 FUTURE APPLICATIONS 94
- 7.5.1 AI-DRIVEN AUTONOMOUS SEPARATOR SYSTEMS (SELF-OPTIMIZING LINES) 94
- 7.5.2 ASEPTIC/ULTRA-LOW-OXYGEN HERMETIC SEPARATORS FOR SENSITIVE BEVERAGES & PROBIOTICS 95
- 7.5.3 HYBRID CENTRIFUGE-MEMBRANE SYSTEMS FOR POLISHING & CONCENTRATION 95
- 7.5.4 DEDICATED SEPARATORS FOR PLANT-PROTEIN EXTRACTION & TEXTURIZATION 96
- 7.5.5 RESOURCE-RECOVERY SEPARATORS FOR WASTE VALORIZATION & CIRCULAR PLANTS 97
- 7.6 IMPACT OF AI/GEN AI ON HIGH-SPEED SEPARATORS MARKET 97
- 7.6.1 TOP USE CASES AND MARKET POTENTIAL 97
- 7.6.2 BEST PRACTICES IN HIGH-SPEED SEPARATORS MANUFACTURING 98
- 7.6.3 CASE STUDIES OF AI IMPLEMENTATION IN HIGH-SPEED SEPARATORS MARKET 99
- 7.6.4 INTERCONNECTED ADJACENT ECOSYSTEM AND IMPACT ON MARKET PLAYERS 100
- 7.6.5 CLIENTS' READINESS TO ADOPT GENERATIVE AI IN HIGH-SPEED SEPARATORS MARKET 100
- ?
- 7.7 SUCCESS STORIES AND REAL-WORLD APPLICATIONS 100
- 7.7.1 ALFA LAVAL: HYGIENIC DISK-STACK LEADERS IN DAIRY AND BEVERAGE 101
- 7.7.2 GEA (WESTFALIA): INTEGRATED SEPARATION LINES FOR MULTI-PRODUCT PLANTS 101
- 7.7.3 FLOTTWEG: DECANTER-CENTRIC SOLUTIONS FOR

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

HIGH?SOLIDS FOOD STREAMS	101
8 SUSTAINABILITY AND REGULATORY LANDSCAPE	102
8.1 REGIONAL REGULATIONS AND COMPLIANCE	102
8.1.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	102
8.1.2 INDUSTRY STANDARDS	110
8.2 SUSTAINABILITY INITIATIVES	112
8.2.1 CARBON IMPACT AND ECO-APPLICATIONS OF HIGH-SPEED SEPARATORS	112
8.3 SUSTAINABILITY IMPACT AND REGULATORY POLICY INITIATIVES	113
8.4 CERTIFICATIONS, LABELING, ECO-STANDARDS	115
9 CUSTOMER LANDSCAPE & BUYER BEHAVIOR	116
9.1 DECISION-MAKING PROCESS	116
9.2 BUYER STAKEHOLDERS AND BUYING EVALUATION CRITERIA	117
9.2.1 KEY STAKEHOLDERS IN BUYING PROCESS	117
9.2.2 BUYING CRITERIA	118
9.3 ADOPTION BARRIERS & INTERNAL CHALLENGES	119
9.4 UNMET NEEDS FROM FOOD & BEVERAGES INDUSTRY	121
9.5 MARKET PROFITABILITY	122
9.5.1 REVENUE POTENTIAL	122
9.5.2 COST DYNAMICS	123
9.5.3 MARGIN STRUCTURE & PROFITABILITY LEVERS	123
9.5.4 MARKET RISKS & COST PRESSURES	123
9.5.5 KPIs & FINANCIAL METRICS	124
10 HIGH-SPEED SEPARATORS MARKET, BY TYPE	125
10.1 INTRODUCTION	126
10.2 DISC-STACK CENTRIFUGES	127
10.2.1 HIGH EFFICIENCY AND CONTINUOUS CLARIFICATION	127
10.3 DECANTER CENTRIFUGES	128
10.3.1 RISING REQUIREMENT FOR CONTINUOUS SOLID-LIQUID PROCESSING	128
10.4 TUBULAR CENTRIFUGES	129
10.4.1 GROWING REQUIREMENT FOR HIGH-PURITY, LOW-SHEAR PROCESSING	129
10.5 BASKET CENTRIFUGES	129
10.5.1 GROWING NEED FOR HIGH-VOLUME SOLID HANDLING AND BATCH EFFICIENCY	129
?	
10.6 SOLID-BOWL CENTRIFUGES	130
10.6.1 DEMAND FOR CONTINUOUS, HIGH-RELIABILITY SOLID-LIQUID SEPARATION	130
10.7 OTHER TYPES	131
10.7.1 NOZZLE SEPARATOR	131
10.7.2 HERMETIC SEPARATORS	131
11 HIGH-SPEED SEPARATORS MARKET, BY TECHNOLOGY	132
11.1 INTRODUCTION	132
11.2 MANUAL	132
11.2.1 RISING DEMAND FOR AFFORDABLE SEPARATION SOLUTIONS	132
11.3 SEMI-AUTOMATIC	133
11.3.1 GROWING NEED FOR BALANCED AUTOMATION	133
11.4 FULLY-AUTOMATIC	133
11.4.1 RISING NEED FOR CONTINUOUS, HYGIENIC PROCESSING	133

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

12	HIGH-SPEED SEPARATORS MARKET, BY CAPACITY	135
12.1	INTRODUCTION	136
12.2	SMALL CAPACITY (3,000-10,000 L/HOUR)	137
12.2.1	ENSURING EFFICIENT SMALL-VOLUME SEPARATION AMID GROWING DEMAND FOR SPECIALIZED PROCESSING	137
12.3	MEDIUM CAPACITY (10,000-30,000 L/HOUR)	138
12.3.1	ENHANCING OPERATIONAL STABILITY AS RISING DEMAND BOOSTS MEDIUM-CAPACITY ADOPTION	138
12.4	HIGH CAPACITY (> 30,000 L/HOUR)	138
12.4.1	ENHANCING INDUSTRIAL THROUGHPUT AS DEMAND RISES FOR LARGE-CAPACITY CENTRIFUGAL SYSTEMS	138
13	HIGH-SPEED SEPARATORS MARKET, BY DISTRIBUTION CHANNEL	140
13.1	INTRODUCTION	140
13.2	DIRECT SALES	140
13.2.1	DIRECT ENGAGEMENT AND CUSTOMIZED SUPPORT	140
13.3	DISTRIBUTORS	141
13.3.1	EXPANDED REACH AND LOCAL SUPPORT	141
13.4	ONLINE RETAIL	141
13.4.1	CONVENIENCE, ACCESSIBILITY, AND FASTER PROCUREMENT	141
14	HIGH-SPEED SEPARATORS MARKET, BY MATERIAL	143
14.1	INTRODUCTION	143
14.2	STAINLESS STEEL	143
14.2.1	CORROSION RESISTANCE, DURABILITY, AND EASE OF MAINTENANCE	143
14.3	TITANIUM	144
14.3.1	EXCEPTIONAL CORROSION RESISTANCE AND HIGH STRENGTH	144
	?	
14.4	ZIRCONIUM	144
14.4.1	CORROSION RESISTANCE, STRENGTH, AND THERMAL STABILITY	144
14.5	TANTALUM	145
14.5.1	EXCEPTIONAL ACID RESISTANCE AND MECHANICAL RELIABILITY	145
14.6	NIOBIUM	145
14.6.1	HIGH FATIGUE STRENGTH AND THERMAL STABILITY	145
15	HIGH-SPEED SEPARATORS MARKET, BY APPLICATION	146
15.1	INTRODUCTION	147
15.2	DAIRY PROCESSING	149
15.2.1	ENHANCING DAIRY PRODUCT QUALITY THROUGH ADVANCED CENTRIFUGAL SEPARATION TECHNOLOGIES	149
15.3	BEVERAGE CLARIFICATION	149
15.3.1	STRENGTHENING CLARIFICATION EFFICIENCY WITH RISE IN DEMAND FOR READY-TO-DRINK BEVERAGES	149
15.3.2	READY-TO-DRINK TEA	150
15.3.3	READY-TO-DRINK COFFEE	150
15.3.4	COCONUT WATER	150
15.3.5	OTHER BEVERAGE CLARIFICATION	151
15.4	EDIBLE OIL REFINING	151
15.4.1	DRIVING PRECISION IN EDIBLE OIL REFINING AS DEMAND FOR PURITY RISES	151
15.5	PLANT-BASED PROTEIN PROCESSING	152

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

15.5.1	OPTIMIZING PLANT PROTEIN PROCESSING WITH RISE IN ALTERNATIVE PROTEIN DEMAND	152
15.6	BREWING AND FERMENTATION	152
15.6.1	ENHANCING BREWING OPERATIONS WITH RISE IN CONSUMER DEMAND FOR SPECIALTY BEVERAGES	152
15.7	OTHER APPLICATIONS	153
15.7.1	SUGAR PROCESSING	153
15.7.2	HERBAL EXTRACTS PROCESSING	153
15.7.3	GELATIN & COLLAGEN PROCESSING	154
16	HIGH-SPEED SEPARATORS MARKET, BY REGION	155
16.1	INTRODUCTION	156
16.2	ASIA PACIFIC	158
16.2.1	CHINA	162
16.2.1.1	Rapid expansion of large dairy and beverage plants	162
16.2.2	JAPAN	163
16.2.2.1	Strict hygiene and quality standards pushing adoption of precision, automated separation systems	163
16.2.3	INDIA	165
16.2.3.1	Rising milk production and growing organized dairy processing sector	165
16.2.4	AUSTRALIA	166
16.2.4.1	Large dairy farms and strong export market to Asia	166
16.2.5	SINGAPORE	167
16.2.5.1	Large dairy farms and high-volume processors demanding robust, high-capacity separators	167
16.2.6	MALAYSIA	169
16.2.6.1	Malaysia's large palm oil industry drives demand for high-speed separators	169
16.2.7	INDONESIA	170
16.2.7.1	Investments in food processing plants and foreign partnerships boost equipment upgrades	170
16.2.8	REST OF ASIA PACIFIC	171
16.3	NORTH AMERICA	173
16.3.1	US	177
16.3.1.1	Increasing emphasis on biopharmaceutical, dairy, and clean-label food product processing	177
16.3.2	CANADA	178
16.3.2.1	Stringent food safety regulations and government incentives for sustainable manufacturing	178
16.3.3	MEXICO	179
16.3.3.1	Industry modernization supported by government programs and growth in processed food exports	179
16.4	EUROPE	180
16.4.1	GERMANY	184
16.4.1.1	Strict EU food-safety and hygiene standards	184
16.4.2	ITALY	185
16.4.2.1	Growing craft beer and wine fermentation industry	185
16.4.3	FRANCE	187
16.4.3.1	Export-oriented cheese industry	187
16.4.4	UK	188

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 16.4.4.1 Growing preference for premium, organic, and convenience dairy products 188
- 16.4.5 SPAIN 189
 - 16.4.5.1 Strong dairy industry needing reliable skimming and clarification 189
- 16.4.6 REST OF EUROPE 191
- 16.5 MIDDLE EAST & AFRICA 192
- 16.6 GCC COUNTRIES 196
 - 16.6.1 UAE 196
 - 16.6.1.1 Aggressive shift toward premium, shelf-stable dairy and beverage production 196
 - 16.6.2 SAUDI ARABIA 197
 - 16.6.2.1 Large-scale expansion of dairy and beverage industries under Vision 2030 food-security initiatives 197
 - 16.6.3 REST OF GCC COUNTRIES 198
 - 16.6.4 SOUTH AFRICA 199
 - 16.6.4.1 Modernization of dairy and beverage plants to meet export-grade quality and sustainability standards 199
 - 16.6.5 KENYA 200
 - 16.6.5.1 Rapid modernization of dairy and juice industries to meet regional export and premium product demand 200
 - 16.6.6 ETHIOPIA 201
 - 16.6.6.1 Ethiopia's expanding dairy industrialization supported by rising milk production and modernization programs 201
 - 16.6.7 NIGERIA 202
 - 16.6.7.1 Push to expand domestic dairy and beverage processing to meet demand from its rapidly growing population 202
 - 16.6.8 TANZANIA 203
 - 16.6.8.1 Expanding fruit-processing and dairy sectors supported by industrialization policies 203
- 16.7 REST OF MIDDLE EAST & AFRICA 204
- 16.8 SOUTH AMERICA 205
 - 16.8.1 BRAZIL 209
 - 16.8.1.1 Expanding food processing industries, especially in dairy, beverages, and processed foods 209
 - 16.8.2 ARGENTINA 210
 - 16.8.2.1 Rising investment in automated dairy, beverage, and packaged food plants aimed at higher yields, longer shelf life, and export-ready quality 210
- 16.9 REST OF SOUTH AMERICA 211
- 17 COMPETITIVE LANDSCAPE 213
 - 17.1 INTRODUCTION 213
 - 17.2 KEY PLAYER STRATEGIES/RIGHT TO WIN 213
 - 17.3 MARKET SHARE ANALYSIS, 2024 215
 - 17.3.1 ALFA LAVAL 216
 - 17.3.2 GEA GROUP AKTIENGESELLSCHAFT 216
 - 17.3.3 ANDRITZ 216
 - 17.3.4 SPX FLOW, INC. 217
 - 17.3.5 FLOTTWEG SE 217
 - 17.4 REVENUE ANALYSIS, 2021-2024 217
 - 17.5 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024 218
 - 17.5.1 STARS 218
 - 17.5.2 EMERGING LEADERS 218
 - 17.5.3 PERVASIVE PLAYERS 218
 - 17.5.4 PARTICIPANTS 218
 - 17.5.5 COMPANY FOOTPRINT: KEY PLAYERS, 2024 220
 - 17.5.5.1 Company footprint 220
 - 17.5.5.2 Region footprint 221

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

17.5.5.3	Type footprint	221
17.5.5.4	Capacity footprint	222
17.5.5.5	Application footprint	223
17.6	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	223
17.6.1	PROGRESSIVE COMPANIES	223
17.6.2	RESPONSIVE COMPANIES	223
17.6.3	DYNAMIC COMPANIES	224
17.6.4	STARTING BLOCKS	224
17.6.5	COMPETITIVE BENCHMARKING	225
17.6.5.1	Detailed list of key startups/SMEs	225
17.6.5.2	Competitive benchmarking of key startups/SMEs	226
17.7	BRAND/PRODUCT COMPARISON	228
17.8	COMPANY VALUATION AND FINANCIAL METRICS	229
17.9	COMPETITIVE SCENARIO AND TRENDS	230
17.9.1	PRODUCT LAUNCHES	230
17.9.2	DEALS	231
17.9.3	EXPANSIONS	233
17.9.4	OTHER DEVELOPMENTS	233
18	COMPANY PROFILES	235
18.1	KEY PLAYERS	235
18.1.1	ALFA LAVAL	235
18.1.1.1	Business overview	235
18.1.1.2	Products/Solutions/Services offered	236
18.1.1.3	Recent developments	238
18.1.1.3.1	Product launches	238
18.1.1.3.2	Deals	239
18.1.1.4	MnM view	239
18.1.1.4.1	Key strengths	239
18.1.1.4.2	Strategic choices	240
18.1.1.4.3	Weaknesses and competitive threats	240
18.1.2	GEA GROUP AKTIENGESELLSCHAFT	241
18.1.2.1	Business overview	241
18.1.2.2	Products/Solutions/Services offered	242
18.1.2.3	Recent developments	243
18.1.2.3.1	Product launches	243
18.1.2.3.2	Deals	244
18.1.2.3.3	Expansions	244
18.1.2.3.4	Others	245
18.1.2.4	MnM view	246
18.1.2.4.1	Key strengths	246
18.1.2.4.2	Strategic choices	246
18.1.2.4.3	Weaknesses and competitive threats	246
?		
18.1.3	MITSUBISHI KAKOKI KAISHA, LTD.	247
18.1.3.1	Business overview	247
18.1.3.2	Products/Solutions/Services offered	248
18.1.3.3	MnM view	249

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 18.1.3.3.1 Key strengths 249
- 18.1.3.3.2 Strategic choices 249
- 18.1.3.3.3 Weaknesses and competitive threats 249
- 18.1.4 TOMOE ENGINEERING CO., LTD. 250
- 18.1.4.1 Business overview 250
- 18.1.4.2 Products/Solutions/Services offered 251
- 18.1.4.3 Recent developments 252
- 18.1.4.3.1 Deals 252
- 18.1.4.4 MnM view 252
- 18.1.4.4.1 Key strengths 252
- 18.1.4.4.2 Strategic choices 252
- 18.1.4.4.3 Weaknesses and competitive threats 253
- 18.1.5 TETRA PAK INTERNATIONAL S.A. 254
- 18.1.5.1 Business overview 254
- 18.1.5.2 Products/Solutions/Services offered 255
- 18.1.5.3 MnM view 255
- 18.1.5.3.1 Key strengths 255
- 18.1.5.3.2 Strategic choices 255
- 18.1.5.3.3 Weaknesses and competitive threats 256
- 18.1.6 IHI ROTATING MACHINERY ENGINEERING CO., LTD. 257
- 18.1.6.1 Business overview 257
- 18.1.6.2 Products/Solutions/Services offered 258
- 18.1.6.3 MnM view 259
- 18.1.6.3.1 Key strengths 259
- 18.1.6.3.2 Strategic choices 259
- 18.1.6.3.3 Weaknesses and competitive threats 260
- 18.1.7 FERRUM AG 261
- 18.1.7.1 Business overview 261
- 18.1.7.2 Products/Solutions/Services offered 262
- 18.1.7.3 MnM view 263
- 18.1.7.3.1 Right to win 263
- 18.1.7.3.2 Strategic choices 263
- 18.1.7.3.3 Weaknesses and competitive threats 263
- 18.1.8 ANDRITZ 264
- 18.1.8.1 Business overview 264
- 18.1.8.2 Products/Solutions/Services offered 265
- 18.1.8.3 Recent developments 266
- 18.1.8.3.1 Product launches 266
- 18.1.8.4 MnM view 266
- 18.1.8.4.1 Right to win 266
- 18.1.8.4.2 Strategic choices 266
- 18.1.8.4.3 Weaknesses and competitive threats 267
- 18.1.9 SPX FLOW, INC. 268
- 18.1.9.1 Business overview 268
- 18.1.9.2 Products/Solutions/Services offered 269
- 18.1.9.3 MnM view 269
- 18.1.9.3.1 Right to win 269

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

18.1.9.3.2	Strategic choices	270
18.1.9.3.3	Weaknesses and competitive threats	270
18.1.10	FLOTTWEG SE	271
18.1.10.1	Business overview	271
18.1.10.2	Products/Solutions/Services offered	272
18.1.10.3	Recent developments	272
18.1.10.3.1	Other developments	272
18.1.10.4	MnM view	273
18.1.10.4.1	Right to win	273
18.1.10.4.2	Strategic choices	273
18.1.10.4.3	Weaknesses and competitive threats	273
18.2	OTHER PLAYERS	274
18.2.1	GN SOLIDS CONTROL	274
18.2.2	TRUCENT	275
18.2.3	CROWN MACHINERY CO LTD	276
18.2.4	TSUKISHIMA KIKAI CO., LTD.	277
18.2.5	SIEBTECHNIK GMBH	278
18.2.6	PIERALISI MAIP SPA	279
18.2.7	THOMAS BROADBENT & SONS LTD.	280
18.2.8	ROUSSELET ROBATEL	281
18.2.9	HEINKEL PROCESS TECHNOLOGY GMBH	282
18.2.10	INOXPA S.A.U.	283
18.2.11	HAUS CENTRIFUGE TECHNOLOGIES	284
18.2.12	JIANGSU SAIDELI PHARMACEUTICAL MACHINERY CO., LTD.	285
18.2.13	WESTERN STATES	286
18.2.14	B&P LITTLEFORD	287
18.2.15	ELGIN SEPARATION SOLUTIONS	288
?		
19	APPENDIX	289
19.1	DISCUSSION GUIDE	289
19.2	KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL	292
19.3	CUSTOMIZATION OPTIONS	294
19.4	RELATED REPORTS	294
19.5	AUTHOR DETAILS	295

High-Speed Separators Market by Type (Disc-stack Centrifuges, Decanter Centrifuges, Tubular Centrifuges, Basket Centrifuges, Solid-bowl Centrifuges), Capacity (Small Capacity (3,000-10,000 L/Hour), Medium Capacity (10,000-30,000 L/Hour), Large Capacity (> 30,000 L/Hour)), Application (Dairy Processing, Beverage Clarification, Edible Oil Refining, Plant-based Protein Processing, Brewing And Fermentation), and Region - Global Forecast to 2030

Market Report | 2025-12-18 | 296 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*

Phone*

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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="2026-03-02"/>
		Signature	<input type="text"/>