

**Natural Fiber Composites - Company Evaluation Report, 2025**

Market Report | 2025-08-01 | 98 pages | MarketsandMarkets

**AVAILABLE LICENSES:**

- Single User \$2650.00
- Corporate License \$4250.00

**Report description:**

The Natural Fiber Composites Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Natural Fiber Composites. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and industry trends. MarketsandMarkets 360 Quadrants evaluated over 102 companies, of which the Top 15 Natural Fiber Composites Companies were categorized and recognized as quadrant leaders.

Natural Fiber Composites (NFCs) are advanced materials created by reinforcing a polymer matrix with natural fibers such as flax, hemp, jute, or kenaf. These composites leverage the inherent strength and low density of the plant-based fibers to produce materials that are both lightweight and robust. As a more sustainable alternative to traditional composites made with glass or carbon fibers, NFCs reduce reliance on fossil fuels and often offer benefits like biodegradability and lower energy consumption during manufacturing, positioning them as a key material in the green economy.

The market for NFCs is strongly driven by the automotive industry's dual pursuit of vehicle lightweighting and sustainability. Automakers use these materials to produce lighter interior components like door panels and dashboards, which helps improve fuel efficiency in conventional cars and extend the range of electric vehicles. The demand is also growing in construction for decking and paneling, and in consumer goods for furniture and electronics casings, fueled by consumer preference for eco-friendly products. The use of agricultural fibers also provides economic benefits to rural communities.

Despite their advantages, NFCs face several technical challenges. The inherent variability in the properties of natural fibers-unlike uniform synthetic fibers-can make it difficult to achieve consistent performance in the final product. Natural fibers are also susceptible to moisture absorption, which can lead to swelling and a reduction in mechanical strength if not properly managed through material design and treatments. Furthermore, the processing temperatures required for some high-performance polymers can degrade the natural fibers, limiting the range of possible material combinations and applications.

The 360 Quadrant maps the Natural Fiber Composites companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Natural Fiber Composites quadrant. The top criteria for product footprint evaluation included by Type [Flax, Kenaf, Hemp, Other Types], Manufacturing Process [Compression Molding, Injection Molding, Other Manufacturing Processes], Resin Type [PP, PE, PA, Other Resin Types], End-Use Industry [Automotive, Building & Construction, Other End-use Industries], Region [North America, Europe, Asia Pacific, Rest of the World].

**Key Players:**

Major vendors in the Natural Fiber Composites market are Polyvlies Franz Beyer GmbH (Germany), TECNARO GMBH (Germany), FlexForm Technologies (US), Meshlin Composites Zrt. (Hungary), GreenGran BN (China), BUSS AG (Switzerland), Green Dot

Bioplastics, Inc. (US), NPSP BV (Netherlands), Bcomp (Switzerland), BPREG Composites (Turkiye), Weifang Yunding Holding Group Co., Ltd. (China), Holland Composites (Netherlands), MYNUSCo (India), HempFlax Group B.V. (Netherlands), and UPM (Finland). These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top three companies:

Polyvlies Franz Beyer GmbH

Polyvlies Franz Beyer GmbH is a leading German manufacturer of technical nonwovens for the automotive, construction, and filtration industries. The company specializes in developing and producing customized materials using both synthetic and natural fibers for applications like acoustic insulation and interior components. Polyvlies's strategy is centered on providing innovative, sustainable solutions that support the automotive industry's push for lightweighting and enhanced cabin comfort. By focusing on recycled and natural fiber-based products, the company solidifies its position as a key partner for sustainable manufacturing in Europe and beyond.

Bcomp

Bcomp is a highly innovative Swiss company leading the development of high-performance, natural fiber composite technologies. Its proprietary ampliTex fabrics and powerRibs reinforcement grid, made from flax fibers, offer a sustainable alternative to carbon fiber for demanding applications. Bcomp's strategy is to leverage its success in motorsports as a proving ground to drive adoption in mainstream automotive production for interior and exterior components. By enabling significant lightweighting with a drastically lower CO2 footprint, the company is positioning itself as a key enabler of sustainable mobility and high-performance design.

FlexForm Technologies

FlexForm Technologies is a leading North American manufacturer of advanced nonwoven mats made from natural fibers like kenaf and jute. The company supplies these moldable composite materials to Tier 1 automotive suppliers for the production of lightweight and sustainable interior components such as door panels and seat backs. FlexForm's strategy is to leverage its expertise in blending natural and thermoplastic fibers to provide cost-effective, high-performance solutions for vehicle lightweighting. This focus solidifies its key role in helping automakers meet sustainability targets and improve the efficiency of both traditional and electric vehicles.

## **Table of Contents:**

1	INTRODUCTION	12
1.1	MARKET DEFINITION	12
1.2	INCLUSIONS AND EXCLUSIONS	12
1.3	STAKEHOLDERS	12
2	EXECUTIVE SUMMARY	14
3	MARKET OVERVIEW	18
3.1	MARKET DYNAMICS	18
3.1.1	DRIVERS	19
3.1.1.1	Increasing demand for lightweight and fuel-efficient vehicles	19
3.1.1.2	Growing government regulations regarding environmentally friendly materials	19
3.1.1.3	Recyclability and sustainability	19
3.1.2	RESTRAINTS	20
3.1.2.1	Lower durability compared to synthetic fiber composites	20
3.1.2.2	Fluctuating costs, availability, and quality of raw materials	20
3.1.3	OPPORTUNITIES	20
3.1.3.1	Growing use of natural fiber composites for household furniture	20
3.1.3.2	Increasing adoption of 3D printing for manufacturing natural fiber composites	21
3.1.4	CHALLENGES	21

3.1.4.1 Low thermal stability and high moisture absorption	21
3.1.4.2 Dominance of glass fiber composites	21
3.2 PORTER'S FIVE FORCES ANALYSIS	21
3.2.1 THREAT OF NEW ENTRANTS	22
3.2.2 THREAT OF SUBSTITUTES	22
3.2.3 BARGAINING POWER OF SUPPLIERS	23
3.2.4 BARGAINING POWER OF BUYERS	23
3.2.5 INTENSITY OF COMPETITIVE RIVALRY	23
3.3 SUPPLY CHAIN ANALYSIS	24
3.4 ECOSYSTEM ANALYSIS	25
3.5 TECHNOLOGY ANALYSIS	26
3.5.1 KEY TECHNOLOGIES FOR NATURAL FIBER COMPOSITE MANUFACTURING PROCESSES	26
3.5.2 TECHNOLOGY ANALYSIS FOR HAND LAYUP PROCESS	27
3.5.3 TECHNOLOGY ANALYSIS FOR COMPRESSION MOLDING	27
3.5.4 TECHNOLOGY ANALYSIS FOR INJECTION MOLDING	28
3.5.5 TECHNOLOGY ANALYSIS FOR ADDITIVE MANUFACTURING (3D PRINTING)	28
3.5.6 COMPLEMENTARY TECHNOLOGIES FOR LATEST MANUFACTURING PROCESS OF NATURAL FIBER COMPOSITES	28
3.5.7 ADJACENT TECHNOLOGIES FOR LATEST MANUFACTURING PROCESS OF NATURAL FIBER COMPOSITES	29
3.6 IMPACT OF AI/GEN AI ON NATURAL FIBER COMPOSITES MARKET	29
3.6.1 TOP APPLICATIONS AND MARKET POTENTIAL	29
3.6.2 CASE STUDIES OF AI IMPLEMENTATION IN NATURAL FIBER COMPOSITES MARKET	30
3.7 PATENT ANALYSIS	30
3.7.1 INTRODUCTION	30
3.7.2 METHODOLOGY	30
3.7.3 PATENT TYPES	31
3.7.4 INSIGHTS	32
3.7.5 LEGAL STATUS	32
3.7.6 JURISDICTION ANALYSIS	33
3.7.7 TOP APPLICANTS	34
3.8 KEY CONFERENCES AND EVENTS IN 2024-2025	36
3.9 TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS	37
4 COMPETITIVE LANDSCAPE	38
4.1 OVERVIEW	38
4.2 KEY PLAYER STRATEGIES/RIGHT TO WIN	38
4.3 MARKET SHARE ANALYSIS. 2023	40
4.4 BRAND/PRODUCT COMPARATIVE ANALYSIS	42
4.4.1 NATURAL FIBER COMPOSITES MARKET: BRAND/PRODUCT COMPARATIVE ANALYSIS	42
4.5 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023	43
4.5.1 STARS	43
4.5.2 EMERGING LEADERS	43
4.5.3 PERVASIVE PLAYERS	44
4.5.4 PARTICIPANTS	44
4.5.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023	45
4.5.5.1 Company footprint	45
4.5.5.2 Region footprint	46
4.5.5.3 Type footprint	47
4.5.5.4 Resin type footprint	48

4.5.5.5 Manufacturing process footprint	49
4.5.5.6 End-use industry footprint	50
4.6 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	50
4.6.1 PROGRESSIVE COMPANIES	50
4.6.2 RESPONSIVE COMPANIES	51
4.6.3 DYNAMIC COMPANIES	51
4.6.4 STARTING BLOCKS	51
4.6.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023	52
4.6.5.1 Detailed list of key startups/SMEs	52
4.6.5.2 Competitive benchmarking of key startups/SMEs	52
4.7 COMPANY VALUATION AND FINANCIAL METRICS	53
4.8 COMPETITIVE SCENARIO	54
4.8.1 DEALS	54
5 COMPANY PROFILES	56
5.1 KEY COMPANIES	56
5.1.1 POLYVLIES FRANZ BEYER GMBH	56
5.1.1.1 Business overview	56
5.1.1.2 Products/Solutions/Services offered	56
5.1.1.3 MnM view	57
5.1.1.3.1 Right to win	57
5.1.1.3.2 Strategic choices	57
5.1.1.3.3 Weaknesses and competitive threats	57
5.1.2 TECNARO GMBH	58
5.1.2.1 Business overview	58
5.1.2.2 Products/Solutions/Services offered	58
5.1.2.3 Recent developments	59
5.1.2.3.1 Deals	59
5.1.2.4 MnM view	59
5.1.2.4.1 Right to win	59
5.1.2.4.2 Strategic choices	59
5.1.2.4.3 Weaknesses and competitive threats	59
5.1.3 FLEXFORM TECHNOLOGIES	60
5.1.3.1 Business overview	60
5.1.3.2 Products/Solutions/Services offered	60
5.1.3.3 MnM view	61
5.1.3.3.1 Right to win	61
5.1.3.3.2 Strategic choices	61
5.1.3.3.3 Weaknesses and competitive threats	61
5.1.4 MESHLIN COMPOSITES ZRT.	62
5.1.4.1 Business overview	62
5.1.4.2 Products/Solutions/Services offered	62
5.1.4.3 MnM view	63
5.1.4.3.1 Right to win	63
5.1.4.3.2 Strategic choices	63
5.1.4.3.3 Weaknesses and competitive threats	63
5.1.5 GREENGRAN BN	64
5.1.5.1 Business overview	64

5.1.5.2 Products/Solutions/Services offered	64
5.1.5.3 MnM view	65
5.1.5.3.1 Right to win	65
5.1.5.3.2 Strategic choices	65
5.1.5.3.3 Weaknesses and competitive threats	65
5.1.6 BUSS AG	66
5.1.6.1 Business overview	66
5.1.6.2 Products/Solutions/Services offered	66
5.1.6.3 MnM view	67
5.1.6.3.1 Right to win	67
5.1.6.3.2 Strategic choices	67
5.1.6.3.3 Weaknesses and competitive threats	67
5.1.7 GREEN DOT BIOPLASTICS, INC.	68
5.1.7.1 Business overview	68
5.1.7.2 Products/Solutions/Services offered	68
5.1.7.3 Recent developments	69
5.1.7.3.1 Deals	69
5.1.7.4 MnM view	69
5.1.7.4.1 Right to win	69
5.1.7.4.2 Strategic choices	69
5.1.7.4.3 Weaknesses and competitive threats	69
5.1.8 NPSP BV	70
5.1.8.1 Business overview	70
5.1.8.2 Products/Solutions/Services offered	70
5.1.8.3 Recent developments	71
5.1.8.3.1 Deals	71
5.1.8.4 MnM view	71
5.1.8.4.1 Right to win	71
5.1.8.4.2 Strategic choices	71
5.1.8.4.3 Weaknesses and competitive threats	71
5.1.9 BCOMP	72
5.1.9.1 Business overview	72
5.1.9.2 Products/Solutions/Services offered	72
5.1.9.3 Recent developments	73
5.1.9.3.1 Deals	73
5.1.9.4 MnM view	73
5.1.9.4.1 Right to win	73
5.1.9.4.2 Strategic choices	73
5.1.9.4.3 Weaknesses and competitive threats	73
5.1.10 BPREG COMPOSITES	74
5.1.10.1 Business overview	74
5.1.10.2 Products/Solutions/Services offered	74
5.1.10.3 MnM view	75
5.1.10.3.1 Right to win	75
5.1.10.3.2 Strategic choices	75
5.1.10.3.3 Weaknesses and competitive threats	75
5.1.11 WEIFANG YUNDING HOLDING GROUP CO., LTD.	76

5.1.11.1 Business overview	76
5.1.11.2 Products/Solutions/Services offered	76
5.1.11.3 MnM view	77
5.1.11.3.1 Right to win	77
5.1.11.3.2 Strategic choices	77
5.1.11.3.3 Weaknesses and competitive threats	77
5.1.12 HOLLAND COMPOSITES	78
5.1.12.1 Business overview	78
5.1.12.2 Products/Solutions/Services offered	78
5.1.12.3 MnM view	79
5.1.12.3.1 Right to win	79
5.1.12.3.2 Strategic choices	79
5.1.12.3.3 Weaknesses and competitive threats	79
5.1.13 MYNUSCO	80
5.1.13.1 Business overview	80
5.1.13.2 Products/Solutions/Services offered	80
5.1.13.3 Recent developments	81
5.1.13.3.1 Deals	81
5.1.13.4 MnM view	81
5.1.13.4.1 Right to win	81
5.1.13.4.2 Strategic choices	81
5.1.13.4.3 Weaknesses and competitive threats	81
5.1.14 HEMPLFLAX GROUP B.V.	82
5.1.14.1 Business overview	82
5.1.14.2 Products/Solutions/Services offered	82
5.1.14.3 MnM view	83
5.1.14.3.1 Right to win	83
5.1.14.3.2 Strategic choices	83
5.1.14.3.3 Weaknesses and competitive threats	83
5.1.15 UPM	84
5.1.15.1 Business overview	84
5.1.15.2 Products/Solutions/Services offered	85
5.1.15.3 MnM view	86
5.1.15.3.1 Right to win	86
5.1.15.3.2 Strategic choices	86
5.1.15.3.3 Weaknesses and competitive threats	86
?	
5.2 OTHER PLAYERS	87
5.2.1 BIOWERT INDUSTRIE GMBH	87
5.2.2 J. RETTENMAIER & SOHNE GMBH + CO KG	87
5.2.3 ENVIRONMENTAL COMPOSITES	88
5.2.4 A B COMPOSITES PVT.LTD	88
5.2.5 BAMD COMPOSITES	89
5.2.6 GODAVARI BIOREFINERIES LTD.	89
5.2.7 POLIFIBRAS	90
5.2.8 COMPOSITECH GREENSOL	90
5.2.9 PROCOTEX	91

5.2.10 JELU-WERK J. EHRLER GMBH & CO. KG	91
6 APPENDIX	92
6.1 RESEARCH METHODOLOGY	92
6.1.1 RESEARCH APPROACH	92
6.1.2 RESEARCH DATA	93
6.1.2.1 Secondary data	93
6.1.2.2 Primary data	93
6.1.3 RESEARCH ASSUMPTIONS	94
6.2 COMPANY EVALUATION MATRIX: METHODOLOGY	95
6.3 AUTHOR DETAILS	98

**Natural Fiber Composites - Company Evaluation Report, 2025**

Market Report | 2025-08-01 | 98 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	\$2650.00
	Corporate License	\$4250.00
		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="2026-02-10"/>
		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