

Textile Fiber Recovery Lines

ANMD-MRS6-060 · Recycling & Circular Economy

A Global Sustainability Due Diligence & Market Research Study

History 2020–2024 · Base Year 2025 · Forecast 2025–2032 · Outlooks 2035 / 2040 / 2050 · Currency US\$

WHY THIS REPORT

Textile fiber recovery lines turn discarded clothing and textile waste into reusable fibers, transforming one of the least-recycled waste streams into circular feedstock. This decision-grade study sizes the global market three ways — value, units and installed capacity (tonnes/year) — across line type, recovery process and application, across seven regions and four scenarios to 2032, with outlooks to 2050.

SUSTAINABILITY & SDG IMPACT — THE ANMD LENS

Sustainability is this report's backbone, not an afterthought. Beyond throughput, textile fiber recovery lines deliver measurable textile-waste diversion, recovered fibers and certified fiber-to-fiber circularity, while closing the textile loop strengthens the circular-economy story.

Mapped Sustainable Development Goals:

SDG 12 Responsible Consumption	SDG 13 Climate Action	SDG 15 Life on Land
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Measurable sustainability outcomes assessed:

- Textile-waste diversion and recovered-fiber yield
- Certified fiber-to-fiber circularity and loop closure
- Reduced landfill and incineration of textile waste
- Feedstock quality, contamination and offtake as material risks

Framework alignment: Double materiality mapped to GRI, SASB, ISSB, TCFD, TNFD, CSRD and the EU Taxonomy, with greenwashing and SDG-washing screens applied throughout.

WHAT'S INSIDE AT A GLANCE

53 Chapters	9 Report Parts	7 Regions Covered	40+ Country Markets
2025–32 Forecast Horizon	4 Forward Scenarios	25+ Companies Profiled	3 SDGs Mapped

REPORT COVERAGE

Geographic scope: North America, Europe, Asia Pacific, Latin America, Africa, Middle East and Rest of World — with named country intelligence. Europe is the technology leader (Sweden, Germany, United Kingdom) on textile recycling and EPR; Asia Pacific is the scale engine on textile base and waste volume; North America is scaling on circular-fashion demand; other regions assessed on their own merits.

MARKET OVERVIEW

From early adoption to commercial scale — where textile waste becomes recovered, certified circular fiber.

The textile fiber recovery lines market is moving from early adoption to mainstream commercial scale. Demand is driven by circular-economy and recycling pressure converging with regulation and material-security needs, supported by strong momentum across Europe, Asia Pacific and North America. The market is read three ways — value, units and installed capacity — and forecast under four scenarios, each region reported separately.

- Europe is the technology leader — Sweden, Germany and the United Kingdom, on textile recycling and EPR-driven adoption
- Asia Pacific is the scale engine — China, India and Bangladesh, on textile base and waste volume
- North America is scaling — United States and Canada, on textile-waste flows and circular fashion
- Recovery economics is the differentiator — recovered-material value plus avoided disposal underpin returns landfill cannot match

REGIONAL OUTLOOK

Across seven reporting regions, the report separates leading markets from high-growth and emerging ones — each profiled in full rather than aggregated into Rest of World.

Region	Stage	Lead Markets & Drivers
Europe	Technology leader	Sweden, Germany, United Kingdom — textile recycling, EPR
Asia Pacific	Scale engine	China, India, Bangladesh — textile base, waste volume
North America	Scaling	United States, Canada — textile waste, circular fashion
Middle East	High-growth	UAE, Turkey — textile manufacturing, recycling investment
Latin America	Emerging	Brazil, Mexico — textile-waste flows, packaging demand
Africa	Emerging	South Africa, Kenya — textile waste, recovery access

KEY MARKET DRIVERS & RESTRAINTS

Drivers	Restraints
- Textile-waste + fiber-circularity convergence - Brand-owner & retailer circularity targets - Policy support (EPR, recycling targets, landfill bans) - Material-recovery & avoided-disposal economics - Sensor, AI, robotics & process-technology gains	- Capital cost & project-payback uncertainty - Feedstock quality, contamination & variability - Permitting, offtake & standards gaps - Equipment, energy & reagent cost inflation - Operator scale-up, financing & offtake barriers

SEGMENTATION SNAPSHOT

By Line Type	Mechanical fiber recovery · chemical / polymer · enzymatic · automated sorting · fiber-to-fiber
By Process	Mechanical · chemical · enzymatic
By Application	Post-consumer textiles · production & pre-consumer waste · cotton, polyester & blends
By End User	Recyclers & MRF operators · waste processors · municipalities · OEMs · circular ventures
By Business Model	Capital purchase · turnkey EPC · processing-as-a-service · lease / BOO
By Scale	Pilot · commercial · world-scale

TABLE OF CONTENTS — PARTS & CHAPTERS

The full report is organised into nine parts across 53 chapters, listed below. Detailed sub-headings, country tables and directories are provided in the full report.

Part I — Report Foundation, Discovery and Strategic Intelligence

- › Chapter 1. Scope, Methodology and Report Architecture
- › Chapter 2. Industry Discovery Summary — Textile Fiber Recovery Lines
- › Chapter 3. Executive Intelligence and Decision Dashboard
- › Chapter 4. Strategic Findings, Materiality and Investment Verdict Preview

Part II — Market Intelligence, Sizing, Forecasting and Segmentation

- › Chapter 5. Industry Overview and Market Evolution
- › Chapter 6. Market Dynamics
- › Chapter 7. Global Market Size and Forecast, 2020–2032
- › Chapter 8. Market Segmentation Analysis
- › Chapter 9. End-User and Demand-Side Intelligence
- › Chapter 10. Pricing, Cost and Commercial Model Intelligence

Part III — Regional and Country Intelligence

- › Chapter 11. Global Regional Intelligence Framework
- › Chapter 12. North America Market Intelligence
- › Chapter 13. Europe Market Intelligence
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- › Chapter 16. Africa Market Intelligence
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Part IV — Technology, Innovation and Category-Specific Intelligence

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- › Chapter 20. Emerging and Next-Generation Technology Intelligence
- › Chapter 21. Category-Specific Intelligence Module
- › Chapter 22. Research, Innovation and Funding Landscape

Part V — Company, Competition, Patent and Project Intelligence

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- › Chapter 24. Company Profiles
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- › Chapter 44. Risk Register, RAG Rating and Anti-Greenwashing Screen
- › Chapter 45. Bottom-Line Verdict and Strategic Recommendations
- › Chapter 46. Implementation Roadmap and Stakeholder Playbooks

Part IX — Annexes, Directories and Reference Material

- › Chapter 47. Methodology Annex
- › Chapter 48. Corporate Directory and Company Intelligence Annex
- › Chapter 49. Patent Directory and Patent Intelligence Annex
- › Chapter 50. Project Intelligence Annex
- › Chapter 51. Forecast Annex
- › Chapter 52. Sustainability KPI Annex
- › Chapter 53. Reference Annexes

COMPETITIVE & INVESTMENT SNAPSHOT

The competitive field spans global recycling-equipment majors, specialist textile fiber recovery line providers, and emerging innovators. Deal activity — M&A, capacity investment and offtake partnerships — signals a market consolidating around scalable, bankable recycling infrastructure.

Representative players profiled in the full report:

ANDRITZ AG · Lenzing AG · Eastman Chemical Company · Worn Again Technologies Ltd · and 20+ further profiled players across recyclers, equipment makers and emerging innovators.

Investment intelligence: venture, growth, project, infrastructure and climate finance, green bonds and sustainability-linked loans — culminating in a bankability assessment and a conditional investment view.

KEY QUESTIONS THIS REPORT ANSWERS

- How large is the global textile fiber recovery lines market, and how fast will it grow to 2032?
- Which regions, countries and segments offer the strongest risk-adjusted opportunity?
- How does recovery economics change value versus landfill and incineration incumbents?
- Who leads, and where is the competitive and patent white space?
- Is the investment case bankable — and under what conditions?
- How does the category align with the SDGs, circular economy and disclosure regulation?

WHY ANMD — THE DIFFERENCE

Most market studies stop at units and revenue. This report is built as a sustainability due diligence instrument — fusing market sizing with ESG, SDG, climate, water and natural-capital intelligence and a decision-ready bankability view in a single architecture.

- **Triangulated sizing** — every market read three ways so value, volume and the physical-unit views reconcile rather than conflict.
- **Region-honest forecasting** — Latin America, Africa and the Middle East reported in full, never hidden inside Rest of World, every forecast resolved to the 2025 base year.
- **Integrated evidence base** — company, patent and project databases linked to the analysis, with published-filing patents and FTO treated as an indicator, not a legal conclusion.
- **No-fabrication discipline** — every estimate carries a data-confidence rating and disclosed sources; gaps are flagged for further diligence, never filled with invented numbers.
- **Anti-greenwashing rigour** — SDG-washing and greenwashing screens plus claim-substantiation checks built into the ESG and project analysis.
- **Decision-first structure** — 9 Parts and 53 Chapters culminating in stakeholder playbooks and a clear, conditional investment view.

WHO SHOULD BUY THIS REPORT

Investors and recycling / PE funds, equipment makers and recyclers, municipalities and waste processors, circular-economy ventures and brand owners, procurement and sustainability leaders, regulators and standards bodies, and strategic corporate planners and decision-makers.

Access the Full Report

The complete report delivers all 53 chapters in full, with every sub-heading, country table, company and patent directory, forecast model and due diligence checklist.

Purchase at www.anewmarketdynamics.com · Standard & Premium licences · Single-Site (SSL) and Global-Site (GSL) options at checkout.

Want the Complete Detailed Table of Contents?

This prospectus lists the nine parts and 53 chapters. The complete detailed table of contents — every sub-heading, country table, exhibit, company and patent directory and annex — is available on request to registered users. To receive it, register with your official company email at www.anewmarketdynamics.com. The full detailed table of contents will be sent directly to your registered company email address.