

## **Medical Tubing - Company Evaluation Report, 2025**

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### **Report description:**

The Medical Tubing Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Medical Tubing. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 12 Medical Tubing Companies were categorized and recognized as quadrant leaders.

Medical tubing is composed of polymer-based tubes produced via the extrusion process. These tubes serve a wide range of medical purposes, such as facilitating fluid drainage and administering medications within the body. They are also integral components in numerous medical devices, including catheters, cannulas, and peristaltic pumps, where they assist with both drug delivery and fluid extraction. Medical tubing is vital in minimally invasive and critical procedures, finding applications in cardiovascular catheters, stent delivery systems, and urological retrieval devices.

Medical tubing refers to flexible, hollow conduits used in the healthcare sector for transporting fluids and gases, enabling drainage, and delivering drugs. It is an essential part of medical equipment, including catheters, IV sets, feeding tubes, and respiratory devices. These tubes are typically made from biocompatible materials like PVC, silicone, polyethylene, and thermoplastic elastomers, offering the necessary flexibility and durability. Growth in the medical tubing market is fueled by the increasing incidence of chronic illnesses, a rise in surgical interventions, and the expanding use of minimally invasive technologies. Regulatory standards from bodies such as the FDA and ISO are central to guiding product development and approval. Innovations like antimicrobial coating and multi-lumen tubing are further enhancing safety and performance. The market is categorized based on materials, applications, and structural design.

The 360 Quadrant maps the Medical Tubing companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Medical Tubing quadrant. The top criteria for product footprint evaluation included By APPLICATION (Bulk Disposable Tubing, Catheters & Cannulas, Drug Delivery Systems, Other Applications), By MATERIAL (Plastics, Rubbers, Specialty Polymers, Other Materials), and By STRUCTURE (Single-Lumen, Co-Extruded, Multi-Lumen, Tapered or Bump Tubing, Braided Tubing).

### **Key Players**

Key players in the Medical Tubing market include major global corporations and specialized innovators such as Saint-Gobain, Freudenberg Medical, The Lubrizol Corporation, W. L. Gore & Associates, Inc., Nordson Corporation, Te Connectivity, Elkem Asa,

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Trelleborg Ab, Raumedic Ag, Teknor Apex, Spectrum Plastics Group, and Zeus Company Llc. 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 3 Companies

### Saint-Gobain

Saint-Gobain, a leading manufacturer in the medical tubing market, operates globally through its Life Sciences division. The company offers a diversified product portfolio including high-performance thermoplastic, silicone, and ultra-engineered polymer tubing. Known for their strong R&D capabilities, Saint-Gobain continually invests in innovation, with significant funds allocated towards developing durable and biocompatible materials. In recent strategic moves, they acquired MS Techniques and Transluminal, enhancing their capabilities in minimally invasive procedures.

### Freudenberg Medical

Freudenberg Medical, a division of the Freudenberg Group, specializes in high-quality silicone and thermoplastic tubing used in applications such as fluid management and surgical instruments. They maintain strong market positioning through precision manufacturing and commitment to advanced medical technologies. With manufacturing sites across key regions, Freudenberg consistently expands production and invests in R&D to meet global demands.

### TE Connectivity

TE Connectivity excels in delivering high-performance micro-diameter tubing and catheter components. The company's strengths lie in precision engineering and advanced extrusion technologies, which cater to minimally invasive medical devices. Their market strategy includes leveraging global partnerships with medical device manufacturers to offer customized solutions, supported by robust R&D investments. This strategy has solidified TE Connectivity's position as a pivotal player in the medical tubing market

## Table of Contents:

1	INTRODUCTION	12
1.1	MARKET DEFINITION	12
1.2	INCLUSIONS AND EXCLUSIONS	12
1.3	STAKEHOLDERS	12
2	EXECUTIVE SUMMARY	13
3	MARKET OVERVIEW	16
3.1	INTRODUCTION	16
3.2	MARKET DYNAMICS	16
3.2.1	DRIVERS	17
3.2.1.1	Growing geriatric population	17
3.2.1.2	Increasing demand for minimally invasive medical procedures	18
3.2.1.3	Advancements in extrusion technology	19
3.2.1.4	Stringent quality standards and regulations	19
3.2.2	RESTRAINTS	20
3.2.2.1	Limited material compatibility	20
3.2.2.2	Environmental and disposal concerns	21
3.2.3	OPPORTUNITIES	21
3.2.3.1	Advancements in biocompatible and smart materials	21

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- 3.2.3.2 Increasing government expenditure to upgrade and develop healthcare infrastructure 22
- 3.2.4 CHALLENGES 24
  - 3.2.4.1 High production costs and marketing complexities 24
- 3.3 PORTER'S FIVE FORCES ANALYSIS 25
  - 3.3.1 THREAT OF NEW ENTRANTS 26
  - 3.3.2 THREAT OF SUBSTITUTES 26
  - 3.3.3 BARGAINING POWER OF SUPPLIERS 26
  - 3.3.4 BARGAINING POWER OF BUYERS 26
  - 3.3.5 INTENSITY OF COMPETITIVE RIVALRY 27
- 4 INDUSTRY TRENDS 28
  - 4.1 INTRODUCTION 28
  - 4.2 VALUE CHAIN ANALYSIS 28
  - 4.3 ECOSYSTEM ANALYSIS 29
  - 4.4 TECHNOLOGY ANALYSIS 30
    - 4.4.1 KEY TECHNOLOGIES 31
      - 4.4.1.1 Extrusion technology 31
      - 4.4.1.2 Advanced material technologies 31
    - 4.4.2 COMPLEMENTARY TECHNOLOGIES 32
      - 4.4.2.1 Smart technologies and connectivity 32
      - 4.4.2.2 Surface treatment and modification 32
  - 4.5 KEY CONFERENCES AND EVENTS, 2025 33
  - 4.6 PATENT ANALYSIS 33
    - 4.6.1 METHODOLOGY 33
    - 4.6.2 DOCUMENT TYPES 34
    - 4.6.3 PUBLICATION TRENDS IN LAST 11 YEARS 34
    - 4.6.4 INSIGHTS 35
    - 4.6.5 LEGAL STATUS OF PATENTS 35
    - 4.6.6 JURISDICTION ANALYSIS 35
    - 4.6.7 TOP APPLICANTS 36
  - 4.7 IMPACT OF AI/GEN AI ON MEDICAL TUBING MARKET 37
- 5 COMPETITIVE LANDSCAPE 38
  - 5.1 OVERVIEW 38
  - 5.2 KEY PLAYER STRATEGIES/RIGHT TO WIN, 2020-2025 38
  - 5.3 REVENUE ANALYSIS, 2024 41
  - 5.4 MARKET SHARE ANALYSIS, 2024 42
    - 5.4.1 SAINT-GOBAIN 43
    - 5.4.2 FREUDENBERG MEDICAL 43
    - 5.4.3 THE LUBRIZOL CORPORATION 44
    - 5.4.4 W. L. GORE & ASSOCIATES, INC. 44
    - 5.4.5 TE CONNECTIVITY 44
  - 5.5 COMPANY VALUATION AND FINANCIAL METRICS 44
  - 5.6 BRAND COMPARISON 45
    - 5.6.1 MEDICAL TUBING MARKET: BRAND COMPARISON 46
    - 5.6.2 BIO-SIL TUBING 46
    - 5.6.3 HELIXFLEX 46
    - 5.6.4 ISOPLAST ETPU MEDICAL TUBING 47
    - 5.6.5 GORE STA-PURE PUMP TUBING SERIES PFL 47

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5.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	47
5.7.1	STARS	47
5.7.2	EMERGING LEADERS	47
5.7.3	PERVASIVE PLAYERS	48
5.7.4	PARTICIPANTS	48
5.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	49
5.7.5.1	Company footprint	49
5.7.5.2	Region footprint	50
5.7.5.3	Structure footprint	51
5.7.5.4	Material footprint	52
5.7.5.5	Application footprint	53
5.8	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	54
5.8.1	PROGRESSIVE COMPANIES	54
5.8.2	RESPONSIVE COMPANIES	54
5.8.3	DYNAMIC COMPANIES	54
5.8.4	STARTING BLOCKS	54
5.8.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023	56
5.8.5.1	Detailed list of key startups/SMEs	56
5.8.5.2	Competitive benchmarking of startups/SMEs	57
5.9	COMPETITIVE SCENARIO	57
5.9.1	PRODUCT LAUNCHES	57
5.9.2	DEALS	59
5.9.3	OTHER DEVELOPMENTS	61
6	COMPANY PROFILES	64
6.1	KEY PLAYERS	64
6.1.1	SAINT-GOBAIN	64
6.1.1.1	Business overview	64
6.1.1.2	Products/Solutions/Services offered	65
6.1.1.3	Recent developments	68
6.1.1.3.1	Deals	68
6.1.1.4	MnM view	68
6.1.1.4.1	Right to win	68
6.1.1.4.2	Strategic choices	68
6.1.1.4.3	Weaknesses and competitive threats	68
6.1.2	FREUDENBERG MEDICAL	69
6.1.2.1	Business overview	69
6.1.2.2	Products/Solutions/Services offered	70
6.1.2.3	Recent developments	74
6.1.2.3.1	Product launches	74
6.1.2.3.2	Deals	74
6.1.2.3.3	Expansions	75
6.1.2.4	MnM view	76
6.1.2.4.1	Right to win	76
6.1.2.4.2	Strategic choices	76
6.1.2.4.3	Weaknesses and competitive threats	76
6.1.3	THE LUBRIZOL CORPORATION	77
6.1.3.1	Business overview	77

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- 6.1.3.2□Products/Solutions/Services offered□78
- 6.1.3.3□Recent developments□80
  - 6.1.3.3.1□Deals□80
  - 6.1.3.3.2□Expansions□80
  - ?
- 6.1.3.4□MnM view□81
  - 6.1.3.4.1□Right to win□81
  - 6.1.3.4.2□Strategic choices□81
  - 6.1.3.4.3□Weaknesses and competitive threats□81
- 6.1.4□W. L. GORE & ASSOCIATES, INC.□82
  - 6.1.4.1□Business overview□82
  - 6.1.4.2□Products/Solutions/Services offered□82
  - 6.1.4.3□MnM view□83
    - 6.1.4.3.1□Right to win□83
    - 6.1.4.3.2□Strategic choices□83
    - 6.1.4.3.3□Weaknesses and competitive threats□83
- 6.1.5□NORDSON CORPORATION□84
  - 6.1.5.1□Business overview□84
  - 6.1.5.2□Products/Solutions/Services offered□85
  - 6.1.5.3□Recent developments□87
    - 6.1.5.3.1□Deals□87
    - 6.1.5.4□MnM view□88
      - 6.1.5.4.1□Right to win□88
      - 6.1.5.4.2□Strategic choices□88
      - 6.1.5.4.3□Weaknesses and competitive threats□88
- 6.1.6□TE CONNECTIVITY□89
  - 6.1.6.1□Business overview□89
  - 6.1.6.2□Products/Solutions/Services offered□90
  - 6.1.6.3□Recent developments□91
    - 6.1.6.3.1□Product launches□91
  - 6.1.6.4□MnM view□91
- 6.1.7□ELKEM ASA□92
  - 6.1.7.1□Business overview□92
  - 6.1.7.2□Products/Solutions/Services offered□93
  - 6.1.7.3□Recent developments□94
    - 6.1.7.3.1□Deals□94
    - 6.1.7.3.2□Expansions□94
  - 6.1.7.4□MnM view□94
- 6.1.8□TRELLEBORG AB□95
  - 6.1.8.1□Business overview□95
  - 6.1.8.2□Products/Solutions/Services offered□96
  - 6.1.8.3□Recent developments□98
    - 6.1.8.3.1□Deals□98
    - 6.1.8.3.2□Other developments□98
  - 6.1.8.4□MnM view□98
  - ?
- 6.1.9□RAUMEDIC AG□99

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6.1.9.1	Business overview	99
6.1.9.2	Products/Solutions/Services offered	99
6.1.9.3	Recent developments	101
6.1.9.3.1	Product launches	101
6.1.9.3.2	Deals	101
6.1.9.3.3	Expansions	101
6.1.9.4	MnM view	102
6.1.10	TEKNOR APEX	103
6.1.10.1	Business overview	103
6.1.10.2	Products/Solutions/Services offered	103
6.1.10.3	Recent developments	104
6.1.10.3.1	Product launches	104
6.1.10.3.2	Deals	104
6.1.10.4	MnM view	105
6.1.11	SPECTRUM PLASTICS GROUP	106
6.1.11.1	Business overview	106
6.1.11.2	Products/Solutions/Services offered	106
6.1.11.3	Recent developments	108
6.1.11.3.1	Deals	108
6.1.11.3.2	Expansions	108
6.1.11.4	MnM view	109
6.1.12	ZEUS COMPANY LLC	110
6.1.12.1	Business overview	110
6.1.12.2	Products/Solutions/Services offered	110
6.1.12.3	Recent developments	112
6.1.12.3.1	Product launches	112
6.1.12.3.2	Expansions	112
6.1.12.4	MnM view	112
6.2	OTHER PLAYERS	113
6.2.1	ATAG SPA	113
6.2.2	DAVIS STANDARD	114
6.2.3	FBK MEDICAL TUBING	115
6.2.4	PROTERIAL CABLE AMERICA, INC.	116
6.2.5	ICO RALLY	117
6.2.6	ICU MEDICAL, INC.	118
6.2.7	KRATON CORPORATION	119
6.2.8	MICROLUMEN INC.	120
6.2.9	MDC INDUSTRIES	121
6.2.10	NEWAGE INDUSTRIES	122
6.2.11	OPTINOVA	123
6.2.12	PARKER HANNIFIN CORP.	124
6.2.13	TEEL PLASTICS	125
6.2.14	VESTA INC.	126
6.2.15	SMOOTH-BOR PLASTICS	127
7	APPENDIX	128
7.1	RESEARCH METHODOLOGY	128
7.1.1	RESEARCH DATA	128

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- 7.1.1.1 Secondary data 129
- 7.1.1.2 Primary data 130
- 7.1.2 ASSUMPTIONS 131
- 7.1.3 LIMITATIONS AND RISKS 131
- 7.2 COMPANY EVALUATION MATRIX: METHODOLOGY 132
- 7.3 AUTHOR DETAILS 135

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