

# Global Normothermic Machine Perfusion System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Normothermic Machine Perfusion System market size was valued at US\$ 2078 million in 2025 and is forecast to a readjusted size of US\$ 6401 million by 2032 with a CAGR of 17.3% during review period.

A normothermic machine perfusion system is an active ex vivo organ preservation and assessment platform used to maintain donor organs before transplantation. It combines pumps, an oxygenator, heating modules, pressure and flow sensors, an organ chamber, disposable circuits, and control software to deliver oxygenated or blood-based perfusate to organs such as the liver, kidney, heart, and lung at near-physiological temperature. The system is designed to reduce cold ischemic injury, extend preservation time, and support reassessment of marginal donor organs. Products are usually differentiated by closed-loop temperature control, pressure and flow management, real-time monitoring, sterile disposable circuits, clinical compliance, and transplant-center support; the comprehensive gross margin is about 58%.

Demand mainly comes from transplant centers, organ procurement organizations, in-hospital organ assessment platforms, and preclinical research institutions. The shortage of donor organs, rising use of marginal and DCD donors, and cross-regional transport needs are pushing transplant teams toward normothermic perfusion equipment that can maintain organ metabolism, monitor functional indicators, and create a more flexible surgical window.

Product development is focused on multi-organ compatibility, portability, sterile disposable circuits, automated control, data logging, and remote monitoring. The clinical

market is led by a small group of companies with regulatory approvals, clinical evidence, and transplant-service networks, while research demand is served more by benchtop or modular systems for ex vivo liver, kidney, heart, and lung models, pharmacology, toxicology, and ischemia-reperfusion studies.

Regional opportunities are concentrated in large transplant centers in North America and Europe, while Asia Pacific demand is supported by transplant-volume growth, local-device substitution, and hospital infrastructure expansion. Entry barriers include clinical validation, regulatory clearance, tied disposable circuits, service response, and perfusion-protocol know-how; risks include high system cost, reimbursement differences, long operator training cycles, and uneven expansion across organ indications.

## Report Scope

This report is a detailed and comprehensive analysis for global Normothermic Machine Perfusion System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

## Key Features:

Global Normothermic Machine Perfusion System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Normothermic Machine Perfusion System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Normothermic Machine Perfusion System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Normothermic Machine Perfusion System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Normothermic Machine Perfusion System

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Normothermic Machine Perfusion System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TransMedics, OrganOx, XVIVO, Emka Technologies, Harvard Apparatus, Hugo Sachs Elektronik, Radnoti, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Normothermic Machine Perfusion System market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Liver Perfusion Systems

Kidney Perfusion Systems

Heart Perfusion Systems

Lung Perfusion Systems

## Multi-Organ Perfusion Systems

### Market segment by Deployment Format

Portable Transport Systems

Stationary Cart Systems

Benchtop Research Systems

Modular Custom Systems

### Market segment by Perfusate System

Whole Blood-Based Perfusate Systems

Packed Red Cell-Based Perfusate Systems

Acellular Oxygenated Solution Systems

Custom Research Perfusate Systems

### Market segment by Automation Level

Fully Automated Closed-Loop Systems

Semi-Automated Monitored Systems

Manually Controlled Laboratory Systems

Modular OEM Integration Systems

### Market segment by Application

Liver Transplantation

Kidney Transplantation

Heart Transplantation

Lung Transplantation and EVLP

Organ Viability Assessment

Preclinical and Translational Research

#### Major players covered

TransMedics

OrganOx

XVIVO

Emka Technologies

Harvard Apparatus

Hugo Sachs Elektronik

Radnoti

#### Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

## Chapter Outline

Chapter 1, to describe Normothermic Machine Perfusion System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Normothermic Machine Perfusion System, with price, sales quantity, revenue, and global market share of Normothermic Machine Perfusion System from 2021 to 2026.

Chapter 3, the Normothermic Machine Perfusion System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Normothermic Machine Perfusion System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Normothermic Machine Perfusion System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Normothermic Machine Perfusion System.

Chapter 14 and 15, to describe Normothermic Machine Perfusion System sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Product Overview and Scope

#### 1.2 Market Estimation Caveats and Base Year

#### 1.3 Market Analysis by Type

##### 1.3.1 Overview: Global Normothermic Machine Perfusion System Consumption Value by Type: 2021 Versus 2025 Versus 2032

##### 1.3.2 Liver Perfusion Systems

##### 1.3.3 Kidney Perfusion Systems

##### 1.3.4 Heart Perfusion Systems

##### 1.3.5 Lung Perfusion Systems

##### 1.3.6 Multi-Organ Perfusion Systems

#### 1.4 Market Analysis by Deployment Format

##### 1.4.1 Overview: Global Normothermic Machine Perfusion System Consumption Value by Deployment Format: 2021 Versus 2025 Versus 2032

##### 1.4.2 Portable Transport Systems

##### 1.4.3 Stationary Cart Systems

##### 1.4.4 Benchtop Research Systems

##### 1.4.5 Modular Custom Systems

#### 1.5 Market Analysis by Perfusate System

##### 1.5.1 Overview: Global Normothermic Machine Perfusion System Consumption Value by Perfusate System: 2021 Versus 2025 Versus 2032

##### 1.5.2 Whole Blood-Based Perfusate Systems

##### 1.5.3 Packed Red Cell-Based Perfusate Systems

##### 1.5.4 Acellular Oxygenated Solution Systems

##### 1.5.5 Custom Research Perfusate Systems

#### 1.6 Market Analysis by Automation Level

##### 1.6.1 Overview: Global Normothermic Machine Perfusion System Consumption Value by Automation Level: 2021 Versus 2025 Versus 2032

##### 1.6.2 Fully Automated Closed-Loop Systems

##### 1.6.3 Semi-Automated Monitored Systems

##### 1.6.4 Manually Controlled Laboratory Systems

##### 1.6.5 Modular OEM Integration Systems

#### 1.7 Market Analysis by Application

##### 1.7.1 Overview: Global Normothermic Machine Perfusion System Consumption Value by Application: 2021 Versus 2025 Versus 2032

##### 1.7.2 Liver Transplantation

- 1.7.3 Kidney Transplantation
- 1.7.4 Heart Transplantation
- 1.7.5 Lung Transplantation and EVLP
- 1.7.6 Organ Viability Assessment
- 1.7.7 Preclinical and Translational Research
- 1.8 Global Normothermic Machine Perfusion System Market Size & Forecast
  - 1.8.1 Global Normothermic Machine Perfusion System Consumption Value (2021 & 2025 & 2032)
  - 1.8.2 Global Normothermic Machine Perfusion System Sales Quantity (2021-2032)
  - 1.8.3 Global Normothermic Machine Perfusion System Average Price (2021-2032)

## **2 MANUFACTURERS PROFILES**

### **2.1 TransMedics**

- 2.1.1 TransMedics Details
- 2.1.2 TransMedics Major Business
- 2.1.3 TransMedics Normothermic Machine Perfusion System Product and Services
- 2.1.4 TransMedics Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 TransMedics Recent Developments/Updates

### **2.2 OrganOx**

- 2.2.1 OrganOx Details
- 2.2.2 OrganOx Major Business
- 2.2.3 OrganOx Normothermic Machine Perfusion System Product and Services
- 2.2.4 OrganOx Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.2.5 OrganOx Recent Developments/Updates

### **2.3 XVIVO**

- 2.3.1 XVIVO Details
- 2.3.2 XVIVO Major Business
- 2.3.3 XVIVO Normothermic Machine Perfusion System Product and Services
- 2.3.4 XVIVO Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.3.5 XVIVO Recent Developments/Updates

### **2.4 Emka Technologies**

- 2.4.1 Emka Technologies Details
- 2.4.2 Emka Technologies Major Business
- 2.4.3 Emka Technologies Normothermic Machine Perfusion System Product and Services

2.4.4 Emka Technologies Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Emka Technologies Recent Developments/Updates

2.5 Harvard Apparatus

2.5.1 Harvard Apparatus Details

2.5.2 Harvard Apparatus Major Business

2.5.3 Harvard Apparatus Normothermic Machine Perfusion System Product and Services

2.5.4 Harvard Apparatus Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Harvard Apparatus Recent Developments/Updates

2.6 Hugo Sachs Elektronik

2.6.1 Hugo Sachs Elektronik Details

2.6.2 Hugo Sachs Elektronik Major Business

2.6.3 Hugo Sachs Elektronik Normothermic Machine Perfusion System Product and Services

2.6.4 Hugo Sachs Elektronik Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Hugo Sachs Elektronik Recent Developments/Updates

2.7 Radnoti

2.7.1 Radnoti Details

2.7.2 Radnoti Major Business

2.7.3 Radnoti Normothermic Machine Perfusion System Product and Services

2.7.4 Radnoti Normothermic Machine Perfusion System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Radnoti Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: NORMOTHERMIC MACHINE PERFUSION SYSTEM BY MANUFACTURER**

3.1 Global Normothermic Machine Perfusion System Sales Quantity by Manufacturer (2021-2026)

3.2 Global Normothermic Machine Perfusion System Revenue by Manufacturer (2021-2026)

3.3 Global Normothermic Machine Perfusion System Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Normothermic Machine Perfusion System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Normothermic Machine Perfusion System Manufacturer Market Share in 2025

3.4.3 Top 6 Normothermic Machine Perfusion System Manufacturer Market Share in 2025

3.5 Normothermic Machine Perfusion System Market: Overall Company Footprint Analysis

3.5.1 Normothermic Machine Perfusion System Market: Region Footprint

3.5.2 Normothermic Machine Perfusion System Market: Company Product Type Footprint

3.5.3 Normothermic Machine Perfusion System Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global Normothermic Machine Perfusion System Market Size by Region

4.1.1 Global Normothermic Machine Perfusion System Sales Quantity by Region (2021-2032)

4.1.2 Global Normothermic Machine Perfusion System Consumption Value by Region (2021-2032)

4.1.3 Global Normothermic Machine Perfusion System Average Price by Region (2021-2032)

4.2 North America Normothermic Machine Perfusion System Consumption Value (2021-2032)

4.3 Europe Normothermic Machine Perfusion System Consumption Value (2021-2032)

4.4 Asia-Pacific Normothermic Machine Perfusion System Consumption Value (2021-2032)

4.5 South America Normothermic Machine Perfusion System Consumption Value (2021-2032)

4.6 Middle East & Africa Normothermic Machine Perfusion System Consumption Value (2021-2032)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Normothermic Machine Perfusion System Sales Quantity by Type (2021-2032)

5.2 Global Normothermic Machine Perfusion System Consumption Value by Type (2021-2032)

### 5.3 Global Normothermic Machine Perfusion System Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

### 6.1 Global Normothermic Machine Perfusion System Sales Quantity by Application (2021-2032)

### 6.2 Global Normothermic Machine Perfusion System Consumption Value by Application (2021-2032)

### 6.3 Global Normothermic Machine Perfusion System Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

### 7.1 North America Normothermic Machine Perfusion System Sales Quantity by Type (2021-2032)

### 7.2 North America Normothermic Machine Perfusion System Sales Quantity by Application (2021-2032)

### 7.3 North America Normothermic Machine Perfusion System Market Size by Country

#### 7.3.1 North America Normothermic Machine Perfusion System Sales Quantity by Country (2021-2032)

#### 7.3.2 North America Normothermic Machine Perfusion System Consumption Value by Country (2021-2032)

#### 7.3.3 United States Market Size and Forecast (2021-2032)

#### 7.3.4 Canada Market Size and Forecast (2021-2032)

#### 7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

### 8.1 Europe Normothermic Machine Perfusion System Sales Quantity by Type (2021-2032)

### 8.2 Europe Normothermic Machine Perfusion System Sales Quantity by Application (2021-2032)

### 8.3 Europe Normothermic Machine Perfusion System Market Size by Country

#### 8.3.1 Europe Normothermic Machine Perfusion System Sales Quantity by Country (2021-2032)

#### 8.3.2 Europe Normothermic Machine Perfusion System Consumption Value by Country (2021-2032)

#### 8.3.3 Germany Market Size and Forecast (2021-2032)

- 8.3.4 France Market Size and Forecast (2021-2032)
- 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
- 8.3.6 Russia Market Size and Forecast (2021-2032)
- 8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Normothermic Machine Perfusion System Market Size by Region
  - 9.3.1 Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Region (2021-2032)
  - 9.3.2 Asia-Pacific Normothermic Machine Perfusion System Consumption Value by Region (2021-2032)
  - 9.3.3 China Market Size and Forecast (2021-2032)
  - 9.3.4 Japan Market Size and Forecast (2021-2032)
  - 9.3.5 South Korea Market Size and Forecast (2021-2032)
  - 9.3.6 India Market Size and Forecast (2021-2032)
  - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
  - 9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

- 10.1 South America Normothermic Machine Perfusion System Sales Quantity by Type (2021-2032)
- 10.2 South America Normothermic Machine Perfusion System Sales Quantity by Application (2021-2032)
- 10.3 South America Normothermic Machine Perfusion System Market Size by Country
  - 10.3.1 South America Normothermic Machine Perfusion System Sales Quantity by Country (2021-2032)
  - 10.3.2 South America Normothermic Machine Perfusion System Consumption Value by Country (2021-2032)
  - 10.3.3 Brazil Market Size and Forecast (2021-2032)
  - 10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Normothermic Machine Perfusion System Market Size by Country

11.3.1 Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Normothermic Machine Perfusion System Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

12.1 Normothermic Machine Perfusion System Market Drivers

12.2 Normothermic Machine Perfusion System Market Restraints

12.3 Normothermic Machine Perfusion System Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Normothermic Machine Perfusion System and Key Manufacturers

13.2 Manufacturing Costs Percentage of Normothermic Machine Perfusion System

13.3 Normothermic Machine Perfusion System Production Process

13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Normothermic Machine Perfusion System Typical Distributors

14.3 Normothermic Machine Perfusion System Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Normothermic Machine Perfusion System Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Normothermic Machine Perfusion System Consumption Value by Deployment Format, (USD Million), 2021 & 2025 & 2032

Table 3. Global Normothermic Machine Perfusion System Consumption Value by Perfusate System, (USD Million), 2021 & 2025 & 2032

Table 4. Global Normothermic Machine Perfusion System Consumption Value by Automation Level, (USD Million), 2021 & 2025 & 2032

Table 5. Global Normothermic Machine Perfusion System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 6. TransMedics Basic Information, Manufacturing Base and Competitors

Table 7. TransMedics Major Business

Table 8. TransMedics Normothermic Machine Perfusion System Product and Services

Table 9. TransMedics Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 10. TransMedics Recent Developments/Updates

Table 11. OrganOx Basic Information, Manufacturing Base and Competitors

Table 12. OrganOx Major Business

Table 13. OrganOx Normothermic Machine Perfusion System Product and Services

Table 14. OrganOx Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 15. OrganOx Recent Developments/Updates

Table 16. XVIVO Basic Information, Manufacturing Base and Competitors

Table 17. XVIVO Major Business

Table 18. XVIVO Normothermic Machine Perfusion System Product and Services

Table 19. XVIVO Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 20. XVIVO Recent Developments/Updates

Table 21. Emka Technologies Basic Information, Manufacturing Base and Competitors

Table 22. Emka Technologies Major Business

Table 23. Emka Technologies Normothermic Machine Perfusion System Product and Services

Table 24. Emka Technologies Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. Emka Technologies Recent Developments/Updates

Table 26. Harvard Apparatus Basic Information, Manufacturing Base and Competitors

Table 27. Harvard Apparatus Major Business

Table 28. Harvard Apparatus Normothermic Machine Perfusion System Product and Services

Table 29. Harvard Apparatus Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. Harvard Apparatus Recent Developments/Updates

Table 31. Hugo Sachs Elektronik Basic Information, Manufacturing Base and Competitors

Table 32. Hugo Sachs Elektronik Major Business

Table 33. Hugo Sachs Elektronik Normothermic Machine Perfusion System Product and Services

Table 34. Hugo Sachs Elektronik Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Hugo Sachs Elektronik Recent Developments/Updates

Table 36. Radnoti Basic Information, Manufacturing Base and Competitors

Table 37. Radnoti Major Business

Table 38. Radnoti Normothermic Machine Perfusion System Product and Services

Table 39. Radnoti Normothermic Machine Perfusion System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Radnoti Recent Developments/Updates

Table 41. Global Normothermic Machine Perfusion System Sales Quantity by Manufacturer (2021-2026) & (Units)

Table 42. Global Normothermic Machine Perfusion System Revenue by Manufacturer (2021-2026) & (USD Million)

Table 43. Global Normothermic Machine Perfusion System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 44. Market Position of Manufacturers in Normothermic Machine Perfusion System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 45. Head Office and Normothermic Machine Perfusion System Production Site of Key Manufacturer

Table 46. Normothermic Machine Perfusion System Market: Company Product Type

## Footprint

Table 47. Normothermic Machine Perfusion System Market: Company Product

Application Footprint

Table 48. Normothermic Machine Perfusion System New Market Entrants and Barriers to Market Entry

Table 49. Normothermic Machine Perfusion System Mergers, Acquisition, Agreements, and Collaborations

Table 50. Global Normothermic Machine Perfusion System Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 51. Global Normothermic Machine Perfusion System Sales Quantity by Region (2021-2026) & (Units)

Table 52. Global Normothermic Machine Perfusion System Sales Quantity by Region (2027-2032) & (Units)

Table 53. Global Normothermic Machine Perfusion System Consumption Value by Region (2021-2026) & (USD Million)

Table 54. Global Normothermic Machine Perfusion System Consumption Value by Region (2027-2032) & (USD Million)

Table 55. Global Normothermic Machine Perfusion System Average Price by Region (2021-2026) & (US\$/Unit)

Table 56. Global Normothermic Machine Perfusion System Average Price by Region (2027-2032) & (US\$/Unit)

Table 57. Global Normothermic Machine Perfusion System Sales Quantity by Type (2021-2026) & (Units)

Table 58. Global Normothermic Machine Perfusion System Sales Quantity by Type (2027-2032) & (Units)

Table 59. Global Normothermic Machine Perfusion System Consumption Value by Type (2021-2026) & (USD Million)

Table 60. Global Normothermic Machine Perfusion System Consumption Value by Type (2027-2032) & (USD Million)

Table 61. Global Normothermic Machine Perfusion System Average Price by Type (2021-2026) & (US\$/Unit)

Table 62. Global Normothermic Machine Perfusion System Average Price by Type (2027-2032) & (US\$/Unit)

Table 63. Global Normothermic Machine Perfusion System Sales Quantity by Application (2021-2026) & (Units)

Table 64. Global Normothermic Machine Perfusion System Sales Quantity by Application (2027-2032) & (Units)

Table 65. Global Normothermic Machine Perfusion System Consumption Value by Application (2021-2026) & (USD Million)

Table 66. Global Normothermic Machine Perfusion System Consumption Value by Application (2027-2032) & (USD Million)

Table 67. Global Normothermic Machine Perfusion System Average Price by Application (2021-2026) & (US\$/Unit)

Table 68. Global Normothermic Machine Perfusion System Average Price by Application (2027-2032) & (US\$/Unit)

Table 69. North America Normothermic Machine Perfusion System Sales Quantity by Type (2021-2026) & (Units)

Table 70. North America Normothermic Machine Perfusion System Sales Quantity by Type (2027-2032) & (Units)

Table 71. North America Normothermic Machine Perfusion System Sales Quantity by Application (2021-2026) & (Units)

Table 72. North America Normothermic Machine Perfusion System Sales Quantity by Application (2027-2032) & (Units)

Table 73. North America Normothermic Machine Perfusion System Sales Quantity by Country (2021-2026) & (Units)

Table 74. North America Normothermic Machine Perfusion System Sales Quantity by Country (2027-2032) & (Units)

Table 75. North America Normothermic Machine Perfusion System Consumption Value by Country (2021-2026) & (USD Million)

Table 76. North America Normothermic Machine Perfusion System Consumption Value by Country (2027-2032) & (USD Million)

Table 77. Europe Normothermic Machine Perfusion System Sales Quantity by Type (2021-2026) & (Units)

Table 78. Europe Normothermic Machine Perfusion System Sales Quantity by Type (2027-2032) & (Units)

Table 79. Europe Normothermic Machine Perfusion System Sales Quantity by Application (2021-2026) & (Units)

Table 80. Europe Normothermic Machine Perfusion System Sales Quantity by Application (2027-2032) & (Units)

Table 81. Europe Normothermic Machine Perfusion System Sales Quantity by Country (2021-2026) & (Units)

Table 82. Europe Normothermic Machine Perfusion System Sales Quantity by Country (2027-2032) & (Units)

Table 83. Europe Normothermic Machine Perfusion System Consumption Value by Country (2021-2026) & (USD Million)

Table 84. Europe Normothermic Machine Perfusion System Consumption Value by Country (2027-2032) & (USD Million)

Table 85. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by

Type (2021-2026) & (Units)

Table 86. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Type (2027-2032) & (Units)

Table 87. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Application (2021-2026) & (Units)

Table 88. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Application (2027-2032) & (Units)

Table 89. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Region (2021-2026) & (Units)

Table 90. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity by Region (2027-2032) & (Units)

Table 91. Asia-Pacific Normothermic Machine Perfusion System Consumption Value by Region (2021-2026) & (USD Million)

Table 92. Asia-Pacific Normothermic Machine Perfusion System Consumption Value by Region (2027-2032) & (USD Million)

Table 93. South America Normothermic Machine Perfusion System Sales Quantity by Type (2021-2026) & (Units)

Table 94. South America Normothermic Machine Perfusion System Sales Quantity by Type (2027-2032) & (Units)

Table 95. South America Normothermic Machine Perfusion System Sales Quantity by Application (2021-2026) & (Units)

Table 96. South America Normothermic Machine Perfusion System Sales Quantity by Application (2027-2032) & (Units)

Table 97. South America Normothermic Machine Perfusion System Sales Quantity by Country (2021-2026) & (Units)

Table 98. South America Normothermic Machine Perfusion System Sales Quantity by Country (2027-2032) & (Units)

Table 99. South America Normothermic Machine Perfusion System Consumption Value by Country (2021-2026) & (USD Million)

Table 100. South America Normothermic Machine Perfusion System Consumption Value by Country (2027-2032) & (USD Million)

Table 101. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Type (2021-2026) & (Units)

Table 102. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Type (2027-2032) & (Units)

Table 103. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Application (2021-2026) & (Units)

Table 104. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity by Application (2027-2032) & (Units)

Table 105. Middle East & Africa Normothermic Machine Perfusion System Sales  
Quantity by Country (2021-2026) & (Units)

Table 106. Middle East & Africa Normothermic Machine Perfusion System Sales  
Quantity by Country (2027-2032) & (Units)

Table 107. Middle East & Africa Normothermic Machine Perfusion System Consumption  
Value by Country (2021-2026) & (USD Million)

Table 108. Middle East & Africa Normothermic Machine Perfusion System Consumption  
Value by Country (2027-2032) & (USD Million)

Table 109. Normothermic Machine Perfusion System Raw Material

Table 110. Key Manufacturers of Normothermic Machine Perfusion System Raw  
Materials

Table 111. Normothermic Machine Perfusion System Typical Distributors

Table 112. Normothermic Machine Perfusion System Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Normothermic Machine Perfusion System Picture

Figure 2. Global Normothermic Machine Perfusion System Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Normothermic Machine Perfusion System Revenue Market Share by Type in 2025

Figure 4. Liver Perfusion Systems Examples

Figure 5. Kidney Perfusion Systems Examples

Figure 6. Heart Perfusion Systems Examples

Figure 7. Lung Perfusion Systems Examples

Figure 8. Multi-Organ Perfusion Systems Examples

Figure 9. Global Normothermic Machine Perfusion System Revenue by Deployment Format, (USD Million), 2021 & 2025 & 2032

Figure 10. Global Normothermic Machine Perfusion System Revenue Market Share by Deployment Format in 2025

Figure 11. Portable Transport Systems Examples

Figure 12. Stationary Cart Systems Examples

Figure 13. Benchtop Research Systems Examples

Figure 14. Modular Custom Systems Examples

Figure 15. Global Normothermic Machine Perfusion System Revenue by Perfusate System, (USD Million), 2021 & 2025 & 2032

Figure 16. Global Normothermic Machine Perfusion System Revenue Market Share by Perfusate System in 2025

Figure 17. Whole Blood-Based Perfusate Systems Examples

Figure 18. Packed Red Cell-Based Perfusate Systems Examples

Figure 19. Acellular Oxygenated Solution Systems Examples

Figure 20. Custom Research Perfusate Systems Examples

Figure 21. Global Normothermic Machine Perfusion System Revenue by Automation Level, (USD Million), 2021 & 2025 & 2032

Figure 22. Global Normothermic Machine Perfusion System Revenue Market Share by Automation Level in 2025

Figure 23. Fully Automated Closed-Loop Systems Examples

Figure 24. Semi-Automated Monitored Systems Examples

Figure 25. Manually Controlled Laboratory Systems Examples

Figure 26. Modular OEM Integration Systems Examples

Figure 27. Global Normothermic Machine Perfusion System Consumption Value by

Application, (USD Million), 2021 & 2025 & 2032

Figure 28. Global Normothermic Machine Perfusion System Revenue Market Share by Application in 2025

Figure 29. Liver Transplantation Examples

Figure 30. Kidney Transplantation Examples

Figure 31. Heart Transplantation Examples

Figure 32. Lung Transplantation and EVLP Examples

Figure 33. Organ Viability Assessment Examples

Figure 34. Preclinical and Translational Research Examples

Figure 35. Global Normothermic Machine Perfusion System Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 36. Global Normothermic Machine Perfusion System Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 37. Global Normothermic Machine Perfusion System Sales Quantity (2021-2032) & (Units)

Figure 38. Global Normothermic Machine Perfusion System Price (2021-2032) & (US\$/Unit)

Figure 39. Global Normothermic Machine Perfusion System Sales Quantity Market Share by Manufacturer in 2025

Figure 40. Global Normothermic Machine Perfusion System Revenue Market Share by Manufacturer in 2025

Figure 41. Producer Shipments of Normothermic Machine Perfusion System by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 42. Top 3 Normothermic Machine Perfusion System Manufacturer (Revenue) Market Share in 2025

Figure 43. Top 6 Normothermic Machine Perfusion System Manufacturer (Revenue) Market Share in 2025

Figure 44. Global Normothermic Machine Perfusion System Sales Quantity Market Share by Region (2021-2032)

Figure 45. Global Normothermic Machine Perfusion System Consumption Value Market Share by Region (2021-2032)

Figure 46. North America Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 47. Europe Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 48. Asia-Pacific Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 49. South America Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 50. Middle East & Africa Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 51. Global Normothermic Machine Perfusion System Sales Quantity Market Share by Type (2021-2032)

Figure 52. Global Normothermic Machine Perfusion System Consumption Value Market Share by Type (2021-2032)

Figure 53. Global Normothermic Machine Perfusion System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 54. Global Normothermic Machine Perfusion System Sales Quantity Market Share by Application (2021-2032)

Figure 55. Global Normothermic Machine Perfusion System Revenue Market Share by Application (2021-2032)

Figure 56. Global Normothermic Machine Perfusion System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 57. North America Normothermic Machine Perfusion System Sales Quantity Market Share by Type (2021-2032)

Figure 58. North America Normothermic Machine Perfusion System Sales Quantity Market Share by Application (2021-2032)

Figure 59. North America Normothermic Machine Perfusion System Sales Quantity Market Share by Country (2021-2032)

Figure 60. North America Normothermic Machine Perfusion System Consumption Value Market Share by Country (2021-2032)

Figure 61. United States Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 62. Canada Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 63. Mexico Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 64. Europe Normothermic Machine Perfusion System Sales Quantity Market Share by Type (2021-2032)

Figure 65. Europe Normothermic Machine Perfusion System Sales Quantity Market Share by Application (2021-2032)

Figure 66. Europe Normothermic Machine Perfusion System Sales Quantity Market Share by Country (2021-2032)

Figure 67. Europe Normothermic Machine Perfusion System Consumption Value Market Share by Country (2021-2032)

Figure 68. Germany Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 69. France Normothermic Machine Perfusion System Consumption Value

(2021-2032) & (USD Million)

Figure 70. United Kingdom Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 71. Russia Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 72. Italy Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 73. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity Market Share by Type (2021-2032)

Figure 74. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity Market Share by Application (2021-2032)

Figure 75. Asia-Pacific Normothermic Machine Perfusion System Sales Quantity Market Share by Region (2021-2032)

Figure 76. Asia-Pacific Normothermic Machine Perfusion System Consumption Value Market Share by Region (2021-2032)

Figure 77. China Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 78. Japan Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 79. South Korea Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 80. India Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 81. Southeast Asia Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 82. Australia Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 83. South America Normothermic Machine Perfusion System Sales Quantity Market Share by Type (2021-2032)

Figure 84. South America Normothermic Machine Perfusion System Sales Quantity Market Share by Application (2021-2032)

Figure 85. South America Normothermic Machine Perfusion System Sales Quantity Market Share by Country (2021-2032)

Figure 86. South America Normothermic Machine Perfusion System Consumption Value Market Share by Country (2021-2032)

Figure 87. Brazil Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 88. Argentina Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 89. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity Market Share by Type (2021-2032)

Figure 90. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity Market Share by Application (2021-2032)

Figure 91. Middle East & Africa Normothermic Machine Perfusion System Sales Quantity Market Share by Country (2021-2032)

Figure 92. Middle East & Africa Normothermic Machine Perfusion System Consumption Value Market Share by Country (2021-2032)

Figure 93. Turkey Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 94. Egypt Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 95. Saudi Arabia Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 96. South Africa Normothermic Machine Perfusion System Consumption Value (2021-2032) & (USD Million)

Figure 97. Normothermic Machine Perfusion System Market Drivers

Figure 98. Normothermic Machine Perfusion System Market Restraints

Figure 99. Normothermic Machine Perfusion System Market Trends

Figure 100. Porters Five Forces Analysis

Figure 101. Manufacturing Cost Structure Analysis of Normothermic Machine Perfusion System in 2025

Figure 102. Manufacturing Process Analysis of Normothermic Machine Perfusion System

Figure 103. Normothermic Machine Perfusion System Industrial Chain

Figure 104. Sales Channel: Direct to End-User vs Distributors

Figure 105. Direct Channel Pros & Cons

Figure 106. Indirect Channel Pros & Cons

Figure 107. Methodology

Figure 108. Research Process and Data Source

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