

# **Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Supply, Demand and Key Producers, 2023-2029**

<https://marketpublishers.com/r/G07E96A0D7D0EN.html>

Date: March 2023

Pages: 104

Price: US\$ 4,480.00 (Single User License)

ID: G07E96A0D7D0EN

## **Abstracts**

The global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

TEM direct detection camera is a DDD device applied to TEM.

This report studies the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) total production and demand, 2018-2029, (Units)

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) total production value, 2018-2029, (USD Million)

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) domestic production, consumption, key domestic manufacturers and share

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units)

This reports profiles key players in the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Quantum Detectors, ASI, Gatan, Thermo Fisher Scientific, JEOL, Hitachi and Delong Instruments, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market, Segmentation by Type

Field Emission Transmission Electron Microscopy

Cryo-TEM

Others

#### Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market, Segmentation by Application

Electron Ptychography

Magnetic Analysis

Selective Diffraction Pattern Analysis

Others

#### Companies Profiled:

Quantum Detectors

ASI

Gatan

Thermo Fisher Scientific

JEOL

Hitachi

Delong Instruments

#### Key Questions Answered

1. How big is the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market?
2. What is the demand of the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market?
3. What is the year over year growth of the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market?
4. What is the production and production value of the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market?

5. Who are the key producers in the global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

1.1 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Introduction

1.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Supply & Forecast

1.2.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value (2018 & 2022 & 2029)

1.2.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029)

1.2.3 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Pricing Trends (2018-2029)

1.3 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Region (Based on Production Site)

1.3.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Region (2018-2029)

1.3.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Region (2018-2029)

1.3.3 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Region (2018-2029)

1.3.4 North America Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029)

1.3.5 Europe Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029)

1.3.6 China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029)

1.3.7 Japan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029)

1.4 Market Drivers, Restraints and Trends

1.4.1 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Major Market Trends

1.5 Influence of COVID-19 and Russia-Ukraine War

1.5.1 Influence of COVID-19

1.5.2 Influence of Russia-Ukraine War

## **2 DEMAND SUMMARY**

2.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Demand (2018-2029)

2.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption by Region

2.2.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption by Region (2018-2023)

2.2.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Forecast by Region (2024-2029)

2.3 United States Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

2.4 China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

2.5 Europe Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

2.6 Japan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

2.7 South Korea Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

2.8 ASEAN Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

2.9 India Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029)

## **3 WORLD DIRECT DETECTION DEVICE (DDD) CAMERA FOR TRANSMISSION ELECTRON MICROSCOPY (TEM) MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Manufacturer (2018-2023)

3.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Manufacturer (2018-2023)

3.3 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Manufacturer (2018-2023)

3.4 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Direct Detection Device (DDD) Camera for Transmission Electron

## Microscopy (TEM) Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) in 2022

3.5.3 Global Concentration Ratios (CR8) for Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) in 2022

3.6 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market: Overall Company Footprint Analysis

3.6.1 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market: Region Footprint

3.6.2 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market: Company Product Type Footprint

3.6.3 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

## 4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Comparison

4.1.1 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Comparison

4.2.1 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Direct Detection Device (DDD) Camera for Transmission



## Electron Microscopy (TEM) Consumption Comparison

4.3.1 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value (2018-2023)

4.4.3 United States Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2023)

4.5 China Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers and Market Share

4.5.1 China Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value (2018-2023)

4.5.3 China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2023)

4.6 Rest of World Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2023)

## 5 MARKET ANALYSIS BY TYPE

5.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market Size Overview by Type: 2018 VS 2022 VS 2029

## 5.2 Segment Introduction by Type

### 5.2.1 Field Emission Transmission Electron Microscopy

### 5.2.2 Cryo-TEM

### 5.2.3 Others

## 5.3 Market Segment by Type

### 5.3.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Type (2018-2029)

### 5.3.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Type (2018-2029)

### 5.3.3 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Type (2018-2029)

## 6 MARKET ANALYSIS BY APPLICATION

### 6.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market Size Overview by Application: 2018 VS 2022 VS 2029

## 6.2 Segment Introduction by Application

### 6.2.1 Electron Ptychography

### 6.2.2 Magnetic Analysis

### 6.2.3 Selective Diffraction Pattern Analysis

### 6.2.4 Others

## 6.3 Market Segment by Application

### 6.3.1 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Application (2018-2029)

### 6.3.2 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Application (2018-2029)

### 6.3.3 World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

## 7.1 Quantum Detectors

### 7.1.1 Quantum Detectors Details

### 7.1.2 Quantum Detectors Major Business

### 7.1.3 Quantum Detectors Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

### 7.1.4 Quantum Detectors Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.1.5 Quantum Detectors Recent Developments/Updates
- 7.1.6 Quantum Detectors Competitive Strengths & Weaknesses
- 7.2 ASI
  - 7.2.1 ASI Details
  - 7.2.2 ASI Major Business
  - 7.2.3 ASI Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services
  - 7.2.4 ASI Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.2.5 ASI Recent Developments/Updates
  - 7.2.6 ASI Competitive Strengths & Weaknesses
- 7.3 Gatan
  - 7.3.1 Gatan Details
  - 7.3.2 Gatan Major Business
  - 7.3.3 Gatan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services
  - 7.3.4 Gatan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.3.5 Gatan Recent Developments/Updates
  - 7.3.6 Gatan Competitive Strengths & Weaknesses
- 7.4 Thermo Fisher Scientific
  - 7.4.1 Thermo Fisher Scientific Details
  - 7.4.2 Thermo Fisher Scientific Major Business
  - 7.4.3 Thermo Fisher Scientific Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services
  - 7.4.4 Thermo Fisher Scientific Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.4.5 Thermo Fisher Scientific Recent Developments/Updates
  - 7.4.6 Thermo Fisher Scientific Competitive Strengths & Weaknesses
- 7.5 JEOL
  - 7.5.1 JEOL Details
  - 7.5.2 JEOL Major Business
  - 7.5.3 JEOL Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services
  - 7.5.4 JEOL Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share

(2018-2023)

7.5.5 JEOL Recent Developments/Updates

7.5.6 JEOL Competitive Strengths & Weaknesses

7.6 Hitachi

7.6.1 Hitachi Details

7.6.2 Hitachi Major Business

7.6.3 Hitachi Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

7.6.4 Hitachi Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share

(2018-2023)

7.6.5 Hitachi Recent Developments/Updates

7.6.6 Hitachi Competitive Strengths & Weaknesses

7.7 Delong Instruments

7.7.1 Delong Instruments Details

7.7.2 Delong Instruments Major Business

7.7.3 Delong Instruments Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

7.7.4 Delong Instruments Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production, Price, Value, Gross Margin and Market Share

(2018-2023)

7.7.5 Delong Instruments Recent Developments/Updates

7.7.6 Delong Instruments Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

8.1 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Industry Chain

8.2 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Upstream Analysis

8.2.1 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Core Raw Materials

8.2.2 Main Manufacturers of Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Mode

8.6 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy

(TEM) Procurement Model

8.7 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy

(TEM) Industry Sales Model and Sales Channels

8.7.1 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy

(TEM) Sales Model

8.7.2 Direct Detection Device (DDD) Camera for Transmission Electron Microscopy

(TEM) Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Region (2018-2023) & (USD Million)
- Table 3. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Region (2024-2029) & (USD Million)
- Table 4. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Region (2018-2023)
- Table 5. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Region (2024-2029)
- Table 6. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Region (2018-2023) & (Units)
- Table 7. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Region (2024-2029) & (Units)
- Table 8. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share by Region (2018-2023)
- Table 9. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share by Region (2024-2029)
- Table 10. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Region (2018-2023) & (US\$/Unit)
- Table 11. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Region (2024-2029) & (US\$/Unit)
- Table 12. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Major Market Trends
- Table 13. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Units)
- Table 14. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption by Region (2018-2023) & (Units)
- Table 15. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Forecast by Region (2024-2029) & (Units)
- Table 16. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Producers in 2022



Table 18. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Manufacturer (2018-2023) & (Units)

Table 19. Production Market Share of Key Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Producers in 2022

Table 20. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Company Evaluation Quadrant

Table 22. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Site of Key Manufacturer

Table 24. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market: Company Product Type Footprint

Table 25. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market: Company Product Application Footprint

Table 26. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Competitive Factors

Table 27. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) New Entrant and Capacity Expansion Plans

Table 28. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Mergers & Acquisitions Activity

Table 29. United States VS China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Comparison, (2018 & 2022 & 2029) & (Units)

Table 31. United States VS China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Comparison, (2018 & 2022 & 2029) & (Units)

Table 32. United States Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Direct Detection Device (DDD) Camera

for Transmission Electron Microscopy (TEM) Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2023) & (Units)

Table 36. United States Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share (2018-2023)

Table 37. China Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2023) & (Units)

Table 41. China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share (2018-2023)

Table 42. Rest of World Based Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2023) & (Units)

Table 46. Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share (2018-2023)

Table 47. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Type (2018-2023) & (Units)

Table 49. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Type (2024-2029) & (Units)

Table 50. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Type (2018-2023) & (USD Million)



Table 51. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Type (2024-2029) & (USD Million)

Table 52. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Application (2018-2023) & (Units)

Table 56. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production by Application (2024-2029) & (Units)

Table 57. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Application (2018-2023) & (USD Million)

Table 58. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Application (2024-2029) & (USD Million)

Table 59. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Quantum Detectors Basic Information, Manufacturing Base and Competitors

Table 62. Quantum Detectors Major Business

Table 63. Quantum Detectors Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 64. Quantum Detectors Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Quantum Detectors Recent Developments/Updates

Table 66. Quantum Detectors Competitive Strengths & Weaknesses

Table 67. ASI Basic Information, Manufacturing Base and Competitors

Table 68. ASI Major Business

Table 69. ASI Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 70. ASI Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. ASI Recent Developments/Updates

Table 72. ASI Competitive Strengths & Weaknesses

Table 73. Gatan Basic Information, Manufacturing Base and Competitors

Table 74. Gatan Major Business

Table 75. Gatan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 76. Gatan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Gatan Recent Developments/Updates

Table 78. Gatan Competitive Strengths & Weaknesses

Table 79. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 80. Thermo Fisher Scientific Major Business

Table 81. Thermo Fisher Scientific Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 82. Thermo Fisher Scientific Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Thermo Fisher Scientific Recent Developments/Updates

Table 84. Thermo Fisher Scientific Competitive Strengths & Weaknesses

Table 85. JEOL Basic Information, Manufacturing Base and Competitors

Table 86. JEOL Major Business

Table 87. JEOL Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 88. JEOL Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. JEOL Recent Developments/Updates

Table 90. JEOL Competitive Strengths & Weaknesses

Table 91. Hitachi Basic Information, Manufacturing Base and Competitors

Table 92. Hitachi Major Business

Table 93. Hitachi Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 94. Hitachi Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Hitachi Recent Developments/Updates

Table 96. Delong Instruments Basic Information, Manufacturing Base and Competitors

Table 97. Delong Instruments Major Business

Table 98. Delong Instruments Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Product and Services

Table 99. Delong Instruments Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 100. Global Key Players of Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Upstream (Raw Materials)

Table 101. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Typical Customers

Table 102. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Picture

Figure 2. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029) & (Units)

Figure 5. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Region (2018-2029)

Figure 7. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share by Region (2018-2029)

Figure 8. North America Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029) & (Units)

Figure 9. Europe Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029) & (Units)

Figure 10. China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029) & (Units)

Figure 11. Japan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production (2018-2029) & (Units)

Figure 12. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 15. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Market Share by Region (2018-2029)

Figure 16. United States Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 17. China Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 18. Europe Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 19. Japan Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 20. South Korea Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 21. ASEAN Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 22. India Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption (2018-2029) & (Units)

Figure 23. Producer Shipments of Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Markets in 2022

Figure 26. United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share 2022

Figure 30. China Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share 2022

Figure 32. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Type in 2022

Figure 34. Field Emission Transmission Electron Microscopy

Figure 35. Cryo-TEM

Figure 36. Others

Figure 37. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share by Type (2018-2029)

Figure 38. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Type (2018-2029)

Figure 39. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Application in 2022

Figure 42. Electron Ptychography

Figure 43. Magnetic Analysis

Figure 44. Selective Diffraction Pattern Analysis

Figure 45. Others

Figure 46. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Market Share by Application (2018-2029)

Figure 47. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Production Value Market Share by Application (2018-2029)

Figure 48. World Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Industry Chain

Figure 50. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Procurement Model

Figure 51. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Sales Model

Figure 52. Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source



## I would like to order

Product name: Global Direct Detection Device (DDD) Camera for Transmission Electron Microscopy (TEM) Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G07E96A0D7D0EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G07E96A0D7D0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

