

Global Bar and Billet Inspection 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 Bar and Billet Inspection System market size was valued at US\$ 735 million in 2025 and is forecast to a readjusted size of US\$ 1122 million by 2032 with a CAGR of 6.2% during review period.

Bar and billet inspection systems are industrial non-destructive testing (NDT) solutions designed to detect surface and internal defects in metal bars, billets, and rods during or after production processes. These systems utilize technologies such as ultrasonic testing, eddy current testing, magnetic flux leakage, and machine vision to identify cracks, inclusions, voids, and dimensional inconsistencies in real time or offline inspection environments. They are widely used in steel mills, metal processing plants, and high-performance material production lines. From a value chain perspective, upstream includes sensors, transducers, imaging systems, and control electronics; midstream involves system integration, software algorithms, and calibration; downstream demand comes from steel manufacturers, automotive suppliers, aerospace component producers, and heavy machinery industries. In 2025, the average selling price is approximately US\$185,000 per unit, with global shipments around 3,860 units. The industry maintains gross margins of 25%-42%, supported by high system complexity, customization requirements, and increasing quality standards.

This report is a detailed and comprehensive analysis for global Bar and Billet Inspection 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 Bar and Billet Inspection System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

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

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

Global Bar and Billet Inspection System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K 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 Bar and Billet Inspection 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 Bar and Billet Inspection 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 Olympus (Evident), Baker Hughes (Waygate Technologies), Zetec, Sonatest, Eddyfi Technologies, Magnetic Analysis Corporation, FOERSTER Group, NDT Technologies, Karl Deutsch, Applus+, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Bar and Billet Inspection 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

Ultrasonic Testing (UT)

Eddy Current Testing (ECT)

Magnetic Flux Leakage (MFL)

Machine Vision Inspection

Market segment by Inspection Mode

Online Inspection

Offline Inspection

Inline Full Inspection

Market segment by Inspection Technology

Ultrasonic Testing (UT)

Eddy Current Testing (ECT)

Magnetic Flux Leakage (MFL)

Machine Vision Inspection

Market segment by Application

Steel Manufacturing

Automotive

Aerospace

Heavy Machinery

Major players covered

Olympus (Evident)

Baker Hughes (Waygate Technologies)

Zetec

Sonatest

Eddyfi Technologies

Magnetic Analysis Corporation

FOERSTER Group

NDT Technologies

Karl Deutsch

Applus+

Shanghai Aolong Inspection

Sinosteel NDT

Hefei Metalforming Intelligent Manufacturing

Wuhan Zhongke Innovation

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)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bar and Billet Inspection System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bar and Billet Inspection System, with price, sales quantity, revenue, and global market share of Bar and Billet Inspection System from 2021 to 2026.

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

Chapter 4, the Bar and Billet Inspection 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 Bar and Billet Inspection 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 Bar and Billet Inspection System.

Chapter 14 and 15, to describe Bar and Billet Inspection 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 Bar and Billet Inspection System Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Ultrasonic Testing (UT)

1.3.3 Eddy Current Testing (ECT)

1.3.4 Magnetic Flux Leakage (MFL)

1.3.5 Machine Vision Inspection

1.4 Market Analysis by Inspection Mode

1.4.1 Overview: Global Bar and Billet Inspection System Consumption Value by Inspection Mode: 2021 Versus 2025 Versus 2032

1.4.2 Online Inspection

1.4.3 Offline Inspection

1.4.4 Inline Full Inspection

1.5 Market Analysis by Inspection Technology

1.5.1 Overview: Global Bar and Billet Inspection System Consumption Value by Inspection Technology: 2021 Versus 2025 Versus 2032

1.5.2 Ultrasonic Testing (UT)

1.5.3 Eddy Current Testing (ECT)

1.5.4 Magnetic Flux Leakage (MFL)

1.5.5 Machine Vision Inspection

1.6 Market Analysis by Application

1.6.1 Overview: Global Bar and Billet Inspection System Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Steel Manufacturing

1.6.3 Automotive

1.6.4 Aerospace

1.6.5 Heavy Machinery

1.7 Global Bar and Billet Inspection System Market Size & Forecast

1.7.1 Global Bar and Billet Inspection System Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Bar and Billet Inspection System Sales Quantity (2021-2032)

1.7.3 Global Bar and Billet Inspection System Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Olympus (Evident)

2.1.1 Olympus (Evident) Details

2.1.2 Olympus (Evident) Major Business

2.1.3 Olympus (Evident) Bar and Billet Inspection System Product and Services

2.1.4 Olympus (Evident) Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Olympus (Evident) Recent Developments/Updates

2.2 Baker Hughes (Waygate Technologies)

2.2.1 Baker Hughes (Waygate Technologies) Details

2.2.2 Baker Hughes (Waygate Technologies) Major Business

2.2.3 Baker Hughes (Waygate Technologies) Bar and Billet Inspection System Product and Services

2.2.4 Baker Hughes (Waygate Technologies) Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Baker Hughes (Waygate Technologies) Recent Developments/Updates

2.3 Zetec

2.3.1 Zetec Details

2.3.2 Zetec Major Business

2.3.3 Zetec Bar and Billet Inspection System Product and Services

2.3.4 Zetec Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Zetec Recent Developments/Updates

2.4 Sonatest

2.4.1 Sonatest Details

2.4.2 Sonatest Major Business

2.4.3 Sonatest Bar and Billet Inspection System Product and Services

2.4.4 Sonatest Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Sonatest Recent Developments/Updates

2.5 Eddyfi Technologies

2.5.1 Eddyfi Technologies Details

2.5.2 Eddyfi Technologies Major Business

2.5.3 Eddyfi Technologies Bar and Billet Inspection System Product and Services

2.5.4 Eddyfi Technologies Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Eddyfi Technologies Recent Developments/Updates

2.6 Magnetic Analysis Corporation

- 2.6.1 Magnetic Analysis Corporation Details
- 2.6.2 Magnetic Analysis Corporation Major Business
- 2.6.3 Magnetic Analysis Corporation Bar and Billet Inspection System Product and Services
- 2.6.4 Magnetic Analysis Corporation Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Magnetic Analysis Corporation Recent Developments/Updates
- 2.7 FOERSTER Group
 - 2.7.1 FOERSTER Group Details
 - 2.7.2 FOERSTER Group Major Business
 - 2.7.3 FOERSTER Group Bar and Billet Inspection System Product and Services
 - 2.7.4 FOERSTER Group Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 FOERSTER Group Recent Developments/Updates
- 2.8 NDT Technologies
 - 2.8.1 NDT Technologies Details
 - 2.8.2 NDT Technologies Major Business
 - 2.8.3 NDT Technologies Bar and Billet Inspection System Product and Services
 - 2.8.4 NDT Technologies Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 NDT Technologies Recent Developments/Updates
- 2.9 Karl Deutsch
 - 2.9.1 Karl Deutsch Details
 - 2.9.2 Karl Deutsch Major Business
 - 2.9.3 Karl Deutsch Bar and Billet Inspection System Product and Services
 - 2.9.4 Karl Deutsch Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Karl Deutsch Recent Developments/Updates
- 2.10 Applus+
 - 2.10.1 Applus+ Details
 - 2.10.2 Applus+ Major Business
 - 2.10.3 Applus+ Bar and Billet Inspection System Product and Services
 - 2.10.4 Applus+ Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Applus+ Recent Developments/Updates
- 2.11 Shanghai Aolong Inspection
 - 2.11.1 Shanghai Aolong Inspection Details
 - 2.11.2 Shanghai Aolong Inspection Major Business
 - 2.11.3 Shanghai Aolong Inspection Bar and Billet Inspection System Product and

Services

2.11.4 Shanghai Aolong Inspection Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Shanghai Aolong Inspection Recent Developments/Updates

2.12 Sinosteel NDT

2.12.1 Sinosteel NDT Details

2.12.2 Sinosteel NDT Major Business

2.12.3 Sinosteel NDT Bar and Billet Inspection System Product and Services

2.12.4 Sinosteel NDT Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Sinosteel NDT Recent Developments/Updates

2.13 Hefei Metalforming Intelligent Manufacturing

2.13.1 Hefei Metalforming Intelligent Manufacturing Details

2.13.2 Hefei Metalforming Intelligent Manufacturing Major Business

2.13.3 Hefei Metalforming Intelligent Manufacturing Bar and Billet Inspection System Product and Services

2.13.4 Hefei Metalforming Intelligent Manufacturing Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Hefei Metalforming Intelligent Manufacturing Recent Developments/Updates

2.14 Wuhan Zhongke Innovation

2.14.1 Wuhan Zhongke Innovation Details

2.14.2 Wuhan Zhongke Innovation Major Business

2.14.3 Wuhan Zhongke Innovation Bar and Billet Inspection System Product and Services

2.14.4 Wuhan Zhongke Innovation Bar and Billet Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 Wuhan Zhongke Innovation Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: BAR AND BILLET INSPECTION SYSTEM BY MANUFACTURER

3.1 Global Bar and Billet Inspection System Sales Quantity by Manufacturer (2021-2026)

3.2 Global Bar and Billet Inspection System Revenue by Manufacturer (2021-2026)

3.3 Global Bar and Billet Inspection System Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Bar and Billet Inspection System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

- 3.4.2 Top 3 Bar and Billet Inspection System Manufacturer Market Share in 2025
- 3.4.3 Top 6 Bar and Billet Inspection System Manufacturer Market Share in 2025
- 3.5 Bar and Billet Inspection System Market: Overall Company Footprint Analysis
 - 3.5.1 Bar and Billet Inspection System Market: Region Footprint
 - 3.5.2 Bar and Billet Inspection System Market: Company Product Type Footprint
 - 3.5.3 Bar and Billet Inspection 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 Bar and Billet Inspection System Market Size by Region
 - 4.1.1 Global Bar and Billet Inspection System Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Bar and Billet Inspection System Consumption Value by Region (2021-2032)
 - 4.1.3 Global Bar and Billet Inspection System Average Price by Region (2021-2032)
- 4.2 North America Bar and Billet Inspection System Consumption Value (2021-2032)
- 4.3 Europe Bar and Billet Inspection System Consumption Value (2021-2032)
- 4.4 Asia-Pacific Bar and Billet Inspection System Consumption Value (2021-2032)
- 4.5 South America Bar and Billet Inspection System Consumption Value (2021-2032)
- 4.6 Middle East & Africa Bar and Billet Inspection System Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Bar and Billet Inspection System Sales Quantity by Type (2021-2032)
- 5.2 Global Bar and Billet Inspection System Consumption Value by Type (2021-2032)
- 5.3 Global Bar and Billet Inspection System Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Bar and Billet Inspection System Sales Quantity by Application (2021-2032)
- 6.2 Global Bar and Billet Inspection System Consumption Value by Application (2021-2032)
- 6.3 Global Bar and Billet Inspection System Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Bar and Billet Inspection System Sales Quantity by Type

(2021-2032)

7.2 North America Bar and Billet Inspection System Sales Quantity by Application

(2021-2032)

7.3 North America Bar and Billet Inspection System Market Size by Country

7.3.1 North America Bar and Billet Inspection System Sales Quantity by Country

(2021-2032)

7.3.2 North America Bar and Billet Inspection 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 Bar and Billet Inspection System Sales Quantity by Type (2021-2032)

8.2 Europe Bar and Billet Inspection System Sales Quantity by Application (2021-2032)

8.3 Europe Bar and Billet Inspection System Market Size by Country

8.3.1 Europe Bar and Billet Inspection System Sales Quantity by Country (2021-2032)

8.3.2 Europe Bar and Billet Inspection 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 Bar and Billet Inspection System Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Bar and Billet Inspection System Sales Quantity by Application

(2021-2032)

9.3 Asia-Pacific Bar and Billet Inspection System Market Size by Region

9.3.1 Asia-Pacific Bar and Billet Inspection System Sales Quantity by Region

(2021-2032)

9.3.2 Asia-Pacific Bar and Billet Inspection 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 Bar and Billet Inspection System Sales Quantity by Type (2021-2032)
- 10.2 South America Bar and Billet Inspection System Sales Quantity by Application (2021-2032)
- 10.3 South America Bar and Billet Inspection System Market Size by Country
 - 10.3.1 South America Bar and Billet Inspection System Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Bar and Billet Inspection 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 Bar and Billet Inspection System Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Bar and Billet Inspection System Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Bar and Billet Inspection System Market Size by Country
 - 11.3.1 Middle East & Africa Bar and Billet Inspection System Sales Quantity by Country (2021-2032)
 - 11.3.2 Middle East & Africa Bar and Billet Inspection 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 Bar and Billet Inspection System Market Drivers
- 12.2 Bar and Billet Inspection System Market Restraints
- 12.3 Bar and Billet Inspection 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 Bar and Billet Inspection System and Key Manufacturers

13.2 Manufacturing Costs Percentage of Bar and Billet Inspection System

13.3 Bar and Billet Inspection 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 Bar and Billet Inspection System Typical Distributors

14.3 Bar and Billet Inspection 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 Bar and Billet Inspection System Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Bar and Billet Inspection System Consumption Value by Inspection Mode, (USD Million), 2021 & 2025 & 2032

Table 3. Global Bar and Billet Inspection System Consumption Value by Inspection Technology, (USD Million), 2021 & 2025 & 2032

Table 4. Global Bar and Billet Inspection System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Olympus (Evident) Basic Information, Manufacturing Base and Competitors

Table 6. Olympus (Evident) Major Business

Table 7. Olympus (Evident) Bar and Billet Inspection System Product and Services

Table 8. Olympus (Evident) Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Olympus (Evident) Recent Developments/Updates

Table 10. Baker Hughes (Waygate Technologies) Basic Information, Manufacturing Base and Competitors

Table 11. Baker Hughes (Waygate Technologies) Major Business

Table 12. Baker Hughes (Waygate Technologies) Bar and Billet Inspection System Product and Services

Table 13. Baker Hughes (Waygate Technologies) Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Baker Hughes (Waygate Technologies) Recent Developments/Updates

Table 15. Zetec Basic Information, Manufacturing Base and Competitors

Table 16. Zetec Major Business

Table 17. Zetec Bar and Billet Inspection System Product and Services

Table 18. Zetec Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Zetec Recent Developments/Updates

Table 20. Sonatest Basic Information, Manufacturing Base and Competitors

Table 21. Sonatest Major Business

Table 22. Sonatest Bar and Billet Inspection System Product and Services

Table 23. Sonatest Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2021-2026)

Table 24. Sonatest Recent Developments/Updates

Table 25. Eddyfi Technologies Basic Information, Manufacturing Base and Competitors

Table 26. Eddyfi Technologies Major Business

Table 27. Eddyfi Technologies Bar and Billet Inspection System Product and Services

Table 28. Eddyfi Technologies Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Eddyfi Technologies Recent Developments/Updates

Table 30. Magnetic Analysis Corporation Basic Information, Manufacturing Base and Competitors

Table 31. Magnetic Analysis Corporation Major Business

Table 32. Magnetic Analysis Corporation Bar and Billet Inspection System Product and Services

Table 33. Magnetic Analysis Corporation Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Magnetic Analysis Corporation Recent Developments/Updates

Table 35. FOERSTER Group Basic Information, Manufacturing Base and Competitors

Table 36. FOERSTER Group Major Business

Table 37. FOERSTER Group Bar and Billet Inspection System Product and Services

Table 38. FOERSTER Group Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. FOERSTER Group Recent Developments/Updates

Table 40. NDT Technologies Basic Information, Manufacturing Base and Competitors

Table 41. NDT Technologies Major Business

Table 42. NDT Technologies Bar and Billet Inspection System Product and Services

Table 43. NDT Technologies Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. NDT Technologies Recent Developments/Updates

Table 45. Karl Deutsch Basic Information, Manufacturing Base and Competitors

Table 46. Karl Deutsch Major Business

Table 47. Karl Deutsch Bar and Billet Inspection System Product and Services

Table 48. Karl Deutsch Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Karl Deutsch Recent Developments/Updates

Table 50. Applus+ Basic Information, Manufacturing Base and Competitors
Table 51. Applus+ Major Business
Table 52. Applus+ Bar and Billet Inspection System Product and Services
Table 53. Applus+ Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 54. Applus+ Recent Developments/Updates
Table 55. Shanghai Aolong Inspection Basic Information, Manufacturing Base and Competitors
Table 56. Shanghai Aolong Inspection Major Business
Table 57. Shanghai Aolong Inspection Bar and Billet Inspection System Product and Services
Table 58. Shanghai Aolong Inspection Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 59. Shanghai Aolong Inspection Recent Developments/Updates
Table 60. Sinosteel NDT Basic Information, Manufacturing Base and Competitors
Table 61. Sinosteel NDT Major Business
Table 62. Sinosteel NDT Bar and Billet Inspection System Product and Services
Table 63. Sinosteel NDT Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 64. Sinosteel NDT Recent Developments/Updates
Table 65. Hefei Metalforming Intelligent Manufacturing Basic Information, Manufacturing Base and Competitors
Table 66. Hefei Metalforming Intelligent Manufacturing Major Business
Table 67. Hefei Metalforming Intelligent Manufacturing Bar and Billet Inspection System Product and Services
Table 68. Hefei Metalforming Intelligent Manufacturing Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 69. Hefei Metalforming Intelligent Manufacturing Recent Developments/Updates
Table 70. Wuhan Zhongke Innovation Basic Information, Manufacturing Base and Competitors
Table 71. Wuhan Zhongke Innovation Major Business
Table 72. Wuhan Zhongke Innovation Bar and Billet Inspection System Product and Services
Table 73. Wuhan Zhongke Innovation Bar and Billet Inspection System Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market

Share (2021-2026)

Table 74. Wuhan Zhongke Innovation Recent Developments/Updates

Table 75. Global Bar and Billet Inspection System Sales Quantity by Manufacturer (2021-2026) & (Units)

Table 76. Global Bar and Billet Inspection System Revenue by Manufacturer (2021-2026) & (USD Million)

Table 77. Global Bar and Billet Inspection System Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 78. Market Position of Manufacturers in Bar and Billet Inspection System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 79. Head Office and Bar and Billet Inspection System Production Site of Key Manufacturer

Table 80. Bar and Billet Inspection System Market: Company Product Type Footprint

Table 81. Bar and Billet Inspection System Market: Company Product Application Footprint

Table 82. Bar and Billet Inspection System New Market Entrants and Barriers to Market Entry

Table 83. Bar and Billet Inspection System Mergers, Acquisition, Agreements, and Collaborations

Table 84. Global Bar and Billet Inspection System Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 85. Global Bar and Billet Inspection System Sales Quantity by Region (2021-2026) & (Units)

Table 86. Global Bar and Billet Inspection System Sales Quantity by Region (2027-2032) & (Units)

Table 87. Global Bar and Billet Inspection System Consumption Value by Region (2021-2026) & (USD Million)

Table 88. Global Bar and Billet Inspection System Consumption Value by Region (2027-2032) & (USD Million)

Table 89. Global Bar and Billet Inspection System Average Price by Region (2021-2026) & (K US\$/Unit)

Table 90. Global Bar and Billet Inspection System Average Price by Region (2027-2032) & (K US\$/Unit)

Table 91. Global Bar and Billet Inspection System Sales Quantity by Type (2021-2026) & (Units)

Table 92. Global Bar and Billet Inspection System Sales Quantity by Type (2027-2032) & (Units)

Table 93. Global Bar and Billet Inspection System Consumption Value by Type (2021-2026) & (USD Million)

Table 94. Global Bar and Billet Inspection System Consumption Value by Type (2027-2032) & (USD Million)

Table 95. Global Bar and Billet Inspection System Average Price by Type (2021-2026) & (K US\$/Unit)

Table 96. Global Bar and Billet Inspection System Average Price by Type (2027-2032) & (K US\$/Unit)

Table 97. Global Bar and Billet Inspection System Sales Quantity by Application (2021-2026) & (Units)

Table 98. Global Bar and Billet Inspection System Sales Quantity by Application (2027-2032) & (Units)

Table 99. Global Bar and Billet Inspection System Consumption Value by Application (2021-2026) & (USD Million)

Table 100. Global Bar and Billet Inspection System Consumption Value by Application (2027-2032) & (USD Million)

Table 101. Global Bar and Billet Inspection System Average Price by Application (2021-2026) & (K US\$/Unit)

Table 102. Global Bar and Billet Inspection System Average Price by Application (2027-2032) & (K US\$/Unit)

Table 103. North America Bar and Billet Inspection System Sales Quantity by Type (2021-2026) & (Units)

Table 104. North America Bar and Billet Inspection System Sales Quantity by Type (2027-2032) & (Units)

Table 105. North America Bar and Billet Inspection System Sales Quantity by Application (2021-2026) & (Units)

Table 106. North America Bar and Billet Inspection System Sales Quantity by Application (2027-2032) & (Units)

Table 107. North America Bar and Billet Inspection System Sales Quantity by Country (2021-2026) & (Units)

Table 108. North America Bar and Billet Inspection System Sales Quantity by Country (2027-2032) & (Units)

Table 109. North America Bar and Billet Inspection System Consumption Value by Country (2021-2026) & (USD Million)

Table 110. North America Bar and Billet Inspection System Consumption Value by Country (2027-2032) & (USD Million)

Table 111. Europe Bar and Billet Inspection System Sales Quantity by Type (2021-2026) & (Units)

Table 112. Europe Bar and Billet Inspection System Sales Quantity by Type (2027-2032) & (Units)

Table 113. Europe Bar and Billet Inspection System Sales Quantity by Application

(2021-2026) & (Units)

Table 114. Europe Bar and Billet Inspection System Sales Quantity by Application

(2027-2032) & (Units)

Table 115. Europe Bar and Billet Inspection System Sales Quantity by Country

(2021-2026) & (Units)

Table 116. Europe Bar and Billet Inspection System Sales Quantity by Country

(2027-2032) & (Units)

Table 117. Europe Bar and Billet Inspection System Consumption Value by Country

(2021-2026) & (USD Million)

Table 118. Europe Bar and Billet Inspection System Consumption Value by Country

(2027-2032) & (USD Million)

Table 119. Asia-Pacific Bar and Billet Inspection System Sales Quantity by Type

(2021-2026) & (Units)

Table 120. Asia-Pacific Bar and Billet Inspection System Sales Quantity by Type

(2027-2032) & (Units)

Table 121. Asia-Pacific Bar and Billet Inspection System Sales Quantity by Application

(2021-2026) & (Units)

Table 122. Asia-Pacific Bar and Billet Inspection System Sales Quantity by Application

(2027-2032) & (Units)

Table 123. Asia-Pacific Bar and Billet Inspection System Sales Quantity by Region

(2021-2026) & (Units)

Table 124. Asia-Pacific Bar and Billet Inspection System Sales Quantity by Region

(2027-2032) & (Units)

Table 125. Asia-Pacific Bar and Billet Inspection System Consumption Value by Region

(2021-2026) & (USD Million)

Table 126. Asia-Pacific Bar and Billet Inspection System Consumption Value by Region

(2027-2032) & (USD Million)

Table 127. South America Bar and Billet Inspection System Sales Quantity by Type

(2021-2026) & (Units)

Table 128. South America Bar and Billet Inspection System Sales Quantity by Type

(2027-2032) & (Units)

Table 129. South America Bar and Billet Inspection System Sales Quantity by
Application (2021-2026) & (Units)

Table 130. South America Bar and Billet Inspection System Sales Quantity by
Application (2027-2032) & (Units)

Table 131. South America Bar and Billet Inspection System Sales Quantity by Country
(2021-2026) & (Units)

Table 132. South America Bar and Billet Inspection System Sales Quantity by Country
(2027-2032) & (Units)

Table 133. South America Bar and Billet Inspection System Consumption Value by Country (2021-2026) & (USD Million)

Table 134. South America Bar and Billet Inspection System Consumption Value by Country (2027-2032) & (USD Million)

Table 135. Middle East & Africa Bar and Billet Inspection System Sales Quantity by Type (2021-2026) & (Units)

Table 136. Middle East & Africa Bar and Billet Inspection System Sales Quantity by Type (2027-2032) & (Units)

Table 137. Middle East & Africa Bar and Billet Inspection System Sales Quantity by Application (2021-2026) & (Units)

Table 138. Middle East & Africa Bar and Billet Inspection System Sales Quantity by Application (2027-2032) & (Units)

Table 139. Middle East & Africa Bar and Billet Inspection System Sales Quantity by Country (2021-2026) & (Units)

Table 140. Middle East & Africa Bar and Billet Inspection System Sales Quantity by Country (2027-2032) & (Units)

Table 141. Middle East & Africa Bar and Billet Inspection System Consumption Value by Country (2021-2026) & (USD Million)

Table 142. Middle East & Africa Bar and Billet Inspection System Consumption Value by Country (2027-2032) & (USD Million)

Table 143. Bar and Billet Inspection System Raw Material

Table 144. Key Manufacturers of Bar and Billet Inspection System Raw Materials

Table 145. Bar and Billet Inspection System Typical Distributors

Table 146. Bar and Billet Inspection System Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Bar and Billet Inspection System Picture

Figure 2. Global Bar and Billet Inspection System Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Bar and Billet Inspection System Revenue Market Share by Type in 2025

Figure 4. Ultrasonic Testing (UT) Examples

Figure 5. Eddy Current Testing (ECT) Examples

Figure 6. Magnetic Flux Leakage (MFL) Examples

Figure 7. Machine Vision Inspection Examples

Figure 8. Global Bar and Billet Inspection System Revenue by Inspection Mode, (USD Million), 2021 & 2025 & 2032

Figure 9. Global Bar and Billet Inspection System Revenue Market Share by Inspection Mode in 2025

Figure 10. Online Inspection Examples

Figure 11. Offline Inspection Examples

Figure 12. Inline Full Inspection Examples

Figure 13. Global Bar and Billet Inspection System Revenue by Inspection Technology, (USD Million), 2021 & 2025 & 2032

Figure 14. Global Bar and Billet Inspection System Revenue Market Share by Inspection Technology in 2025

Figure 15. Ultrasonic Testing (UT) Examples

Figure 16. Eddy Current Testing (ECT) Examples

Figure 17. Magnetic Flux Leakage (MFL) Examples

Figure 18. Machine Vision Inspection Examples

Figure 19. Global Bar and Billet Inspection System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 20. Global Bar and Billet Inspection System Revenue Market Share by Application in 2025

Figure 21. Steel Manufacturing Examples

Figure 22. Automotive Examples

Figure 23. Aerospace Examples

Figure 24. Heavy Machinery Examples

Figure 25. Global Bar and Billet Inspection System Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 26. Global Bar and Billet Inspection System Consumption Value and Forecast

(2021-2032) & (USD Million)

Figure 27. Global Bar and Billet Inspection System Sales Quantity (2021-2032) & (Units)

Figure 28. Global Bar and Billet Inspection System Price (2021-2032) & (K US\$/Unit)

Figure 29. Global Bar and Billet Inspection System Sales Quantity Market Share by Manufacturer in 2025

Figure 30. Global Bar and Billet Inspection System Revenue Market Share by Manufacturer in 2025

Figure 31. Producer Shipments of Bar and Billet Inspection System by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 32. Top 3 Bar and Billet Inspection System Manufacturer (Revenue) Market Share in 2025

Figure 33. Top 6 Bar and Billet Inspection System Manufacturer (Revenue) Market Share in 2025

Figure 34. Global Bar and Billet Inspection System Sales Quantity Market Share by Region (2021-2032)

Figure 35. Global Bar and Billet Inspection System Consumption Value Market Share by Region (2021-2032)

Figure 36. North America Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 37. Europe Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 38. Asia-Pacific Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 39. South America Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 40. Middle East & Africa Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 41. Global Bar and Billet Inspection System Sales Quantity Market Share by Type (2021-2032)

Figure 42. Global Bar and Billet Inspection System Consumption Value Market Share by Type (2021-2032)

Figure 43. Global Bar and Billet Inspection System Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 44. Global Bar and Billet Inspection System Sales Quantity Market Share by Application (2021-2032)

Figure 45. Global Bar and Billet Inspection System Revenue Market Share by Application (2021-2032)

Figure 46. Global Bar and Billet Inspection System Average Price by Application

(2021-2032) & (K US\$/Unit)

Figure 47. North America Bar and Billet Inspection System Sales Quantity Market Share by Type (2021-2032)

Figure 48. North America Bar and Billet Inspection System Sales Quantity Market Share by Application (2021-2032)

Figure 49. North America Bar and Billet Inspection System Sales Quantity Market Share by Country (2021-2032)

Figure 50. North America Bar and Billet Inspection System Consumption Value Market Share by Country (2021-2032)

Figure 51. United States Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 52. Canada Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 53. Mexico Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 54. Europe Bar and Billet Inspection System Sales Quantity Market Share by Type (2021-2032)

Figure 55. Europe Bar and Billet Inspection System Sales Quantity Market Share by Application (2021-2032)

Figure 56. Europe Bar and Billet Inspection System Sales Quantity Market Share by Country (2021-2032)

Figure 57. Europe Bar and Billet Inspection System Consumption Value Market Share by Country (2021-2032)

Figure 58. Germany Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 59. France Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 60. United Kingdom Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 61. Russia Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 62. Italy Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 63. Asia-Pacific Bar and Billet Inspection System Sales Quantity Market Share by Type (2021-2032)

Figure 64. Asia-Pacific Bar and Billet Inspection System Sales Quantity Market Share by Application (2021-2032)

Figure 65. Asia-Pacific Bar and Billet Inspection System Sales Quantity Market Share by Region (2021-2032)

Figure 66. Asia-Pacific Bar and Billet Inspection System Consumption Value Market Share by Region (2021-2032)

Figure 67. China Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 68. Japan Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 69. South Korea Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 70. India Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 71. Southeast Asia Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 72. Australia Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 73. South America Bar and Billet Inspection System Sales Quantity Market Share by Type (2021-2032)

Figure 74. South America Bar and Billet Inspection System Sales Quantity Market Share by Application (2021-2032)

Figure 75. South America Bar and Billet Inspection System Sales Quantity Market Share by Country (2021-2032)

Figure 76. South America Bar and Billet Inspection System Consumption Value Market Share by Country (2021-2032)

Figure 77. Brazil Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 78. Argentina Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 79. Middle East & Africa Bar and Billet Inspection System Sales Quantity Market Share by Type (2021-2032)

Figure 80. Middle East & Africa Bar and Billet Inspection System Sales Quantity Market Share by Application (2021-2032)

Figure 81. Middle East & Africa Bar and Billet Inspection System Sales Quantity Market Share by Country (2021-2032)

Figure 82. Middle East & Africa Bar and Billet Inspection System Consumption Value Market Share by Country (2021-2032)

Figure 83. Turkey Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 84. Egypt Bar and Billet Inspection System Consumption Value (2021-2032) & (USD Million)

Figure 85. Saudi Arabia Bar and Billet Inspection System Consumption Value

(2021-2032) & (USD Million)

Figure 86. South Africa Bar and Billet Inspection System Consumption Value

(2021-2032) & (USD Million)

Figure 87. Bar and Billet Inspection System Market Drivers

Figure 88. Bar and Billet Inspection System Market Restraints

Figure 89. Bar and Billet Inspection System Market Trends

Figure 90. Porters Five Forces Analysis

Figure 91. Manufacturing Cost Structure Analysis of Bar and Billet Inspection System in 2025

Figure 92. Manufacturing Process Analysis of Bar and Billet Inspection System

Figure 93. Bar and Billet Inspection System Industrial Chain

Figure 94. Sales Channel: Direct to End-User vs Distributors

Figure 95. Direct Channel Pros & Cons

Figure 96. Indirect Channel Pros & Cons

Figure 97. Methodology

Figure 98. Research Process and Data Source

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