

# **Global Smart Riveting Tools Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032**

<https://marketpublishers.com/r/G2ED50FC7840EN.html>

Date: August 2026

Pages: 93

Price: US\$ 3,480.00 (Single User License)

ID: G2ED50FC7840EN

## **Abstracts**

According to our (Global Info Research) latest study, the global Smart Riveting Tools market size was valued at US\$ 42.48 million in 2025 and is forecast to a readjusted size of US\$ 69.32 million by 2032 with a CAGR of 6.6% during review period.

In 2025, global Smart Riveting Tools production reached approximately 81,000 units with average price of 506 USD/Unit.

Smart riveting tools are industrial assembly tools that combine conventional blind-rivet, rivet-nut, lockbolt, or structural-fastener installation mechanisms with sensors, electronic controllers, communication modules, and data-management functions. In addition to setting the fastener, these tools can monitor pulling force, stroke, displacement, installation time, and cycle count in real time, and automatically determine whether each riveting operation falls within a predefined process window. Advanced products may support Bluetooth, Wi-Fi, PLC, industrial Ethernet, or manufacturing execution system connectivity, enabling parameter selection, error-proofing, barcode association, data storage, and quality traceability.

The upstream segment of the smart riveting tools industry includes structural materials such as steel, aluminum alloys, and engineering plastics, together with key components such as brushless motors, lithium-ion batteries, hydro-pneumatic units, hydraulic components, force sensors, displacement sensors, encoders, control chips, communication modules, displays, pull rods, jaws, nose assemblies, and dies. Sensor accuracy, drive-system stability, battery performance, and control algorithms directly affect process-monitoring capability and product reliability. The midstream consists of riveting-tool manufacturers, industrial software providers, and automation integrators

responsible for mechanical design, drive development, process database creation, control software, communication interfaces, and traceability-system integration. Downstream industries include automotive and electric vehicles, aerospace, railway equipment, commercial vehicles, household appliances, electrical products, sheet-metal fabrication, construction, and general industrial assembly. Products are distributed through industrial suppliers, fastener specialists, professional tool channels, and direct sales to large manufacturers.

The smart riveting tools market is expected to benefit from manufacturing digitalization, assembly-quality traceability, flexible production, and lightweight vehicle construction. The growing use of aluminum alloys, high-strength steel, composites, and dissimilar-material structures is increasing the importance of riveting in battery enclosures, vehicle bodies, aircraft components, and railway equipment. Compared with conventional tools, smart products can reduce missing rivets, incorrect settings, under-setting, and over-setting, while linking each installation result to a workpiece, operator, and production batch. This makes them particularly suitable for safety-critical and quality-sensitive manufacturing environments. High-growth segments are likely to include battery-powered smart riveting tools, force-displacement monitored tools, connected error-proofing tools, and intelligent riveting units integrated with robots and manufacturing execution systems. However, higher equipment costs, limited interoperability between brands, and lower digital investment among small manufacturers may restrain short-term adoption.

## Report Scope

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

Global Smart Riveting Tools market size and forecasts by region and country, in

consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

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

Global Smart Riveting Tools market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Smart Riveting Tools

- 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 Smart Riveting Tools 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 STANLEY Engineered Fastening, GESIPA, HONSEL Group, Industrial Rivet & Fastener, B?llhoff Group, BalTec, TOX PRESSOTECHNIK, Orbitform, Promess, SCHMIDT Technology, etc.

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

## Market Segmentation

Smart Riveting Tools 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

Basic Electronic Riveting Tools

Riveting Tools with Cycle Counting

Riveting Tools with Force Monitoring

Riveting Tools with Force-Displacement Monitoring

Riveting Tools with Pass/Fail Detection

Connected Riveting Tools

Riveting Tools with Data Traceability

MES-Integrated Riveting Tools

Others

#### Market segment by Function

Blind Rivet Tools

Blind Rivet Nut Tools

Lockbolt Installation Tools

Solid Rivet Tools

Semi-Tubular Rivet Tools

Self-Piercing Riveting Tools

Rivet Stud Installation Tools

#### Market segment by Diameter

Small-Diameter Riveting Tools

Medium-Diameter Riveting Tools

Large-Diameter Riveting Tools

Heavy-Duty Structural Riveting Tools

#### Market segment by Application

Automotive Manufacturing

Automotive Repair & Maintenance

Aerospace & Aviation

Railway & Transportation

Construction & Building

HVAC & Sheet Metal Fabrication

Electrical & Electronics

Machinery & Industrial Equipment

General Repair & DIY

Others

#### Major players covered

STANLEY Engineered Fastening

GESIPA

HONSEL Group

Industrial Rivet & Fastener

B?llhoff Group

BalTec

TOX PRESSOTECHNIK

Orbitform

Promess

SCHMIDT Technology

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 Smart Riveting Tools product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Smart Riveting Tools, with price, sales quantity, revenue, and global market share of Smart Riveting Tools from 2021 to 2026.

Chapter 3, the Smart Riveting Tools competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape

contrast.

Chapter 4, the Smart Riveting Tools 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 Smart Riveting Tools 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 Smart Riveting Tools.

Chapter 14 and 15, to describe Smart Riveting Tools sales channel, distributors, customers, research findings and conclusion.

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