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Global Precision Coils and Supporting Structural Components for Smart Terminals Market Growth 2026-2032

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Abstracts

The global Precision Coils and Supporting Structural Components for Smart Terminals market size is predicted to grow from US$ 939 million in 2025 to US$ 1543 million in 2032; it is expected to grow at a CAGR of 7.5% from 2026 to 2032.

Precision Coils and Supporting Structural Components for Smart Terminals are core enabling components across electromagnetic conversion, micro-actuation, wireless sensing and precision assembly. The product scope covers driving precision coils, control precision coils and supporting structural components, including VCM/OIS coils for camera modules, micro motor coils, acoustic coils, wireless charging coils, NFC coils, magnetic alignment coils, terminals, springs, brackets, shielding parts, magnetic isolation sheets, and precision stamped or molded components. Key commercial parameters include wire diameter, turns, DC resistance, inductance, magnetic flux density, thermal rating, winding accuracy, assembly tolerance, thickness, flatness, yield and automated production consistency. Mainstream components are typically millimeter-scale, with selected coil wires down to tens of microns and structural parts generally within the 0.05?0.30 mm thickness range. Customer certification cycle, automated winding capability, precision tooling, material consistency and high-volume delivery capability determine a supplier?s access to leading smart terminal platforms.

Category structure shows that driving precision coils remain the largest base, while control precision coils represent the clearest value-upgrade direction. In 2025, driving precision coil shipments reached 3.30 billion Pcs, representing 51.29% of global volume, with revenue of USD 464.90 million, or 48.45% of global revenue. Control precision coils accounted for 887.32 million Pcs, or 13.81% of volume, but generated USD 263.53 million, representing 27.46% of revenue. Supporting structural components

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reached 2.24 billion Pcs, or 34.90% of volume, and USD 231.10 million, or 24.08% of revenue. Control precision coils recorded an average price of USD 297.00 per thousand Pcs in 2025, significantly above USD 141.10 per thousand Pcs for driving precision coils and USD 103.10 per thousand Pcs for supporting structural components. Wireless charging, NFC, magnetic alignment, sensing control and high-reliability shielding structures are the core drivers of ASP and margin improvement.

The competitive landscape remains characterized by stable leading vendors and a highly fragmented long tail. On a 2025 shipment basis, Shenzhen Haojida Electronic Technology, TDK, Daeyang Hanoi, Dongguan BTCOIL Electronics and Shenzhen Sunway Communication ranked as the top five vendors, with combined shipments of approximately 1.88 billion Pcs and a global share of 29.32%. On a 2025 revenue basis, TDK, Shenzhen Haojida Electronic Technology, Daeyang Hanoi, Laird Steward (Qnity Electronics) and Dongguan BTCOIL Electronics ranked as the top five vendors, with combined revenue of approximately USD 305.76 million and a global share of 31.86%. TDK holds a stronger revenue-side position, reflecting premium product mix, customer structure and pricing. Shenzhen Haojida Electronic Technology leads by shipment volume, indicating scale delivery and cost efficiency. Daeyang Hanoi, Laird Steward (Qnity Electronics), Dongguan BTCOIL Electronics and Shenzhen Sunway Communication hold strong positions in selected customers, specific products and regional supply chains. More than half of industry revenue remains distributed across other suppliers and long-tail vendors, leaving room for concentration driven by certification, automation, precision tooling, material control and cross-category execution.

Regional structure reflects Asian manufacturing dominance, with Europe, the United States and Japan retaining high-end capabilities. In 2025, China produced 2.46 billion Pcs, representing 38.27% of global output. Japan produced 1.16 billion Pcs, accounting for 18.02%. Vietnam, North America and Europe accounted for 11.87%, 11.83% and 3.61%, respectively. On the sales side, Asia Pacific shipped 4.02 billion Pcs in 2025, representing 62.52% of global volume. North America and Europe accounted for 16.84% and 13.99%, respectively. China and Vietnam mainly support scale manufacturing, fast response and terminal assembly ecosystems, while Japan, North America and Europe maintain influence in premium materials, reliability systems, precision processes and branded customer certification. Supply chain migration is not a simple relocation of capacity, but a comprehensive reconfiguration of certification, process windows, automation equipment, tooling development and delivery systems.

Application structure is shifting from smartphone dominance to multi-terminal

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expansion. Smartphones remained the largest application in 2025, with shipments of 3.76 billion Pcs, representing 58.59% of global volume, and revenue of USD 622.45 million, representing 64.87% of global revenue. Computers contributed 10.86% of revenue, while other smart terminals contributed 13.13%. Gaming consoles and peripherals, drones, robots, AR/VR devices and AI hardware together contributed 11.14% of revenue. In terms of growth, robots, AI hardware, AR/VR devices and drones recorded 2026?2032 revenue CAGRs of 49.47%, 54.22%, 23.95% and 13.37%, respectively, significantly above smartphones and computers. The latest industry developments are concentrated in four areas: value expansion in control coils driven by wireless charging, NFC and magnetic alignment; stable demand from camera, acoustic and haptic upgrades; higher component density in AI glasses, AR/VR, drones and robots; and tighter requirements from leading terminal customers on automation, yield, reliability and multi-region delivery. Competition in Precision Coils and Supporting Structural Components for Smart Terminals is moving from single-part manufacturing to integrated capability across electromagnetic design, precision structures, automated assembly and global delivery.

LP Information, Inc. (LPI) ' newest research report, the ?Precision Coils and Supporting Structural Components for Smart Terminals Industry Forecast? looks at past sales and reviews total world Precision Coils and Supporting Structural Components for Smart Terminals sales in 2025, providing a comprehensive analysis by region and market sector of projected Precision Coils and Supporting Structural Components for Smart Terminals sales for 2026 through 2032. With Precision Coils and Supporting Structural Components for Smart Terminals sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Precision Coils and Supporting Structural Components for Smart Terminals industry.

This Insight Report provides a comprehensive analysis of the global Precision Coils and Supporting Structural Components for Smart Terminals landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Precision Coils and Supporting Structural Components for Smart Terminals portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Precision Coils and Supporting Structural Components for Smart Terminals market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Precision Coils and Supporting Structural Components for

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Smart Terminals and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Precision Coils and Supporting Structural Components for Smart Terminals.

This report presents a comprehensive overview, market shares, and growth opportunities of Precision Coils and Supporting Structural Components for Smart Terminals market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Drive Type Precision Coil

Control Type Precision Coil

Complementary Component

Segmentation by Functional Type:

VCM Coil

Linear Motor Coil

Relay Coil

Structural Component

Assembly Component

Segmentation by Diameter:

Below 0.1mm

Above 0.1mm

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Segmentation by Thickness:

- Below 1mm
- Above 1mm

Segmentation by Application:

- Smartphone
- Computer
- AR/VR Devices
- Game Console/Peripheral
- AI Hardware (excluding AI Phone/AI PC)
- Drone
- Robot
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil

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- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe
  - Germany
  - France
  - UK
  - Italy
  - Russia
- Middle East & Africa
  - Egypt
  - South Africa
  - Israel
  - Turkey
  - GCC Countries

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The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

TDK

Shenzhen Haojida Electronic Technology

Daeyang Hanoi

Laird Steward (Qnity Electronics)

Dongguan BTCOIL Electronics

Shenzhen Sunway Communication

Dongguan Liyin Electronics

Huizhou Wanlianda Electronics

Goto Denshi

Audix Technology (Xiamen)

W?rth Elektronik

Vishay Intertechnology

AK Stamping Company

Dandong Dadong Coil Engineering

Key Questions Addressed in this Report
What is the 10-year outlook for the global Precision Coils and Supporting Structural Components for Smart Terminals market?
What factors are driving Precision Coils and Supporting Structural Components for Smart Terminals market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?

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How do Precision Coils and Supporting Structural Components for Smart Terminals market opportunities vary by end market size?
How does Precision Coils and Supporting Structural Components for Smart Terminals break out by Type, by Application?

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