

Global Robotics Patent Intelligence 2026 – Strategic Analysis of Patent Landscape, Innovation Trends, Intellectual Property, Technology Domains, and Future Outlook

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Abstracts

The Global Robotics Patent Intelligence report provides an in-depth analysis of the intellectual property landscape within the global robotics industry by evaluating patent filing activities, technology innovation trends, patent ownership, research activities, and emerging innovation domains. The report enables organizations to monitor technology leadership, assess competitive intellectual property positions, identify licensing opportunities, and support strategic decisions related to research, product development, and technology commercialization.

The study examines global patent portfolios across industrial robotics, collaborative robots, autonomous mobile robots (AMRs), service robotics, humanoid robotics, robotic perception and sensing, motion control and actuation, robotic software, artificial intelligence-enabled robotics, surgical robotics, and next-generation robotic systems. It also analyzes patent filing trends, leading patent holders, technology domains, citation analysis, geographic distribution, and emerging innovators to provide actionable intelligence on the evolving robotics innovation ecosystem. Recent research on collaborative robotics alone analyzed more than 30,000 global patents from 2006–2025, demonstrating substantial patent activity in this technology domain.

The report further highlights patent commercialization opportunities, licensing activities, research collaborations, patent acquisitions, cross-licensing activities, and future technology directions to help organizations strengthen innovation strategies and intellectual property portfolios. Patent analytics can support R&D planning, technology transfer, IP commercialization, licensing, and research collaboration, making these

areas integral to the assessment of the global robotics patent landscape.

Key Coverage

Robotics patent landscape

Patent filing trends

Technology domain analysis

Leading patent holders

Patent portfolio benchmarking

Geographic patent distribution

Citation analysis

Licensing landscape

White-space opportunities

Future patent outlook

Target Audience

Chief Intellectual Property Officers (CIPOs)

Intellectual Property (IP) Teams

Patent Attorneys & Patent Analysts

Research & Development (R&D) Teams

Robotics Technology Strategy Teams

Innovation Management Teams

Robotics Technology Developers

Industrial Robotics Manufacturers

Collaborative Robotics Companies

Autonomous Mobile Robotics Developers

Service & Humanoid Robotics Companies

Robotics Component & Software Providers

Technology Scouting Teams

Licensing & Technology Transfer Teams

Universities & Research Institutions

Government & Research Organizations

Investment & Venture Capital Firms

What This Report Offers

Comprehensive robotics patent landscape assessment

Patent filing and publication trend analysis

Leading patent holder and assignee benchmarking

Patent portfolio comparison

Robotics technology domain and innovation hotspot analysis

Citation and inventor analysis

Geographic patent intelligence

Patent expiry analysis

Licensing landscape assessment

Freedom-to-operate overview

White-space and opportunity identification

Emerging robotics innovator tracking

Future robotics patent outlook

Key Companies Covered (Illustrative)

FANUC Corporation

ABB Ltd.

Yaskawa Electric Corporation

KUKA AG

Kawasaki Heavy Industries, Ltd.

Mitsubishi Electric Corporation

Universal Robots A/S

Omron Corporation

Teradyne, Inc.

Intuitive Surgical, Inc.

Boston Dynamics, Inc.

Amazon.com, Inc.

iRobot Corporation

DJI

And other leading patent holders and industry participants.

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