+357 96 030922
info@marketpublishers.com

Global Connectors for Robots Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GA59E583DA43EN.html
Date: January 2026
Pages: 150
Price: US$ 4,480.00 (Single User License)
ID: GA59E583DA43EN

Abstracts

The global Connectors for Robots market size is expected to reach $ 960 million by 2032, rising at a market growth of 11.9% CAGR during the forecast period (2026-2032).

Connectors for Robots are Interconnect products used in robots to reliably transmit power, control signals and high-speed data, typically delivered as connector + contacts/terminals + seals + cable/harness + tested cable assembly. Key requirements include continuous flex (drag-chain), vibration/shock resistance, oil/coolant resistance, EMC shielding, quick/field installation, and ingress protection (IP per IEC 60529). In 2025, global robotic connectors production reached approximately 14314 k units. Upstream inputs include copper/copper-alloy contacts, engineered plastics for insulators and housings, metal shells and EMI shielding materials, elastomer seals for IP protection, and highly flexible cables designed for continuous bending/torsion in robotic dress packs (e.g., robot cable families emphasizing torsional durability). Downstream demand comes from robot OEMs (industrial robots/cobots/AMRs), end-effector and tool-changer suppliers, factory-automation system integrators, and sensor/vision ecosystems that require robust power and high-integrity data links in harsh, high-vibration environments.

The market for connectors for robots is experiencing steady growth, driven by the continued expansion of industrial robots, collaborative robots, and mobile robots across global manufacturing and logistics sectors. As factories evolve toward higher levels of automation, flexibility, and digitalization, robotic systems increasingly require interconnect solutions that support high-speed data transmission, reliable power delivery, vibration resistance, ingress protection, and rapid maintenance. As a result, connectors are shifting from being generic electronic components to becoming mission-critical, high-reliability system elements. While industrial circular connectors such as M8

+357 96 030922
info@marketpublishers.com

and M12 remain the dominant formats, demand is rising for push-pull locking mechanisms, hybrid power-and-data connectors, industrial Ethernet, and fiber-optic interfaces to enable higher density, miniaturization, and bandwidth. Regionally, demand is concentrated in China, Europe, Japan, and North America, where robot deployment and automation intensity are highest. Overall, the market is characterized by rising technical barriers, a trend toward integrated and modular interconnect solutions, and strong correlation with the investment cycle of the robotics industry, making it a structurally attractive growth niche within the industrial components sector.

This report studies the global Connectors for Robots production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Connectors for Robots and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Connectors for Robots that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Connectors for Robots total production and demand, 2021-2032, (K Units)

Global Connectors for Robots total production value, 2021-2032, (USD Million)

Global Connectors for Robots production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Connectors for Robots consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Connectors for Robots domestic production, consumption, key domestic manufacturers and share

Global Connectors for Robots production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Connectors for Robots production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

+357 96 030922
info@marketpublishers.com

Global Connectors for Robots production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Connectors for Robots 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 HIROSE ELECTRIC, IRISO, Amphenol, TE Connectivity, HARTING, Phoenix Contact, Belden, Molex, Weidumller, Samtec, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Connectors for Robots market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Connectors for Robots Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

+357 96 030922
info@marketpublishers.com

Rest of World

Global Connectors for Robots Market, Segmentation by Type:

Power Connectors

Signal Connectors

Pneumatic / Fluid Interfaces

Others

Global Connectors for Robots Market, Segmentation by Mating Mechanisms:

Threaded

Bayonet

Push-Pull

Others

Global Connectors for Robots Market, Segmentation by Form Factor:

Round

Rectangular

Board-level

Others

Global Connectors for Robots Market, Segmentation by Channels:

Online

+357 96 030922
info@marketpublishers.com

Offline

Global Connectors for Robots Market, Segmentation by Application:

Industrial Robots

Collaborative Robots

Medical Robots

AMR / AGV

Others

Companies Profiled:

HIROSE ELECTRIC

IRISO

Amphenol

TE Connectivity

HARTING

Phoenix Contact

Belden

Molex

Weidumller

Samtec

+357 96 030922
info@marketpublishers.com

Beisit Electric

Binder

LEMO

Shenzhen Taihua Electronics Co., Ltd

Nextronics Engineering Corp

WCON

JCTC

ODU Group

NorComp

Key Questions Answered:
1. How big is the global Connectors for Robots market?
2. What is the demand of the global Connectors for Robots market?
3. What is the year over year growth of the global Connectors for Robots market?
4. What is the production and production value of the global Connectors for Robots market?
5. Who are the key producers in the global Connectors for Robots market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

4 UNITED STATES VS CHINA VS REST OF THE WORLD

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Connectors for Robots Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GA59E583DA43EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GA59E583DA43EN.html