

Global Harmonic Drive Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6909D611941EN.html>

Date: February 2026

Pages: 194

Price: US\$ 4,480.00 (Single User License)

ID: G6909D611941EN

Abstracts

The global Harmonic Drive market size is expected to reach \$ 2916 million by 2032, rising at a market growth of 28.8% CAGR during the forecast period (2026-2032).

In 2024, global Harmonic Drive production reached 2.41 million units, with an average global market price of around US\$ 224 per unit. A harmonic drive, also known as a strain wave gear, is a precision speed reduction mechanism that utilizes the elastic deformation of a flexible (or flexspline) wheel meshing with a rigid (or circular spline) wheel and a wave generator to transmit motion and torque. Its operation principle is based on the theory of strain wave transmission, where the wave generator induces a controlled elastic deformation in the flexible wheel, creating a tooth meshing disparity that results in speed reduction and torque multiplication. Characterized by high reduction ratios, compactness, lightweight, high rotational accuracy, and quick response, harmonic drives find extensive applications in industrial robots, precision machinery, aerospace, and more.

From the perspective of market size and growth drivers, the industry has entered a period of rapid expansion. The core growth engine has evolved beyond traditional industrial robotics to encompass the transformative opportunity presented by humanoid robots. Companies like Tesla and Figure AI are accelerating the transition of humanoid robots from concept to pilot production. The significant quantity of harmonic reducers required per unit constitutes the primary expectation for the market's future explosive growth.

Regarding the competitive landscape, the global market is led by the duo of Japan's HDSI and China's Leaderdrive, which collectively hold over 63% of the global revenue market share. A notable trend, however, is the continual emergence of new domestic

entrants in China. Driven by supportive policies and promising market prospects, significant capital and talent are flowing into this sector. While these new players are unlikely to challenge the top-tier incumbents in the short term, they are intensifying competition in the mid- to low-end market segments and possess the potential to reshape the future competitive dynamics through technological differentiation.

From a product trend standpoint, technological iteration is accelerating markedly. To meet the stringent demands for high power density and low inertia in emerging applications such as humanoid robots, the adoption of lightweight materials has become a critical R&D focus. Concurrently, the development of mechatronic modules remains a dominant evolutionary path. Integrating components like torque sensors to enhance system performance and simplify downstream assembly is a key strategy for manufacturers to increase product value-added.

A regional market analysis reveals diversified growth momentum. China remains the largest production and consumption market globally. However, growth hotspots in the coming years are expected to be widespread. Markets in Europe, the US, Japan, and South Korea are anticipated to see significantly accelerated growth rates, primarily fuelled by their leading positions in the research, development, and industrialization of frontier technologies such as humanoid robots and high-end medical equipment, which will spur rapid demand within local supply chains.

A comprehensive future trend assessment indicates the industry is advancing into a new phase defined by technology-driven innovation and diverse demand. The parameters of competition have broadened from a primary focus on price and precision to a comprehensive contest involving service life reliability, lightweight design, cost control, and global service capabilities. Although the humanoid robot segment carries inherent uncertainties, the vast potential it represents has already catalysed substantial capital investment and technological innovation, providing a solid foundation for the industry's long-term prosperity.

In summary, the harmonic reducer industry is at a critical juncture, marked by the convergence of traditional automation and advanced robotics. Chinese manufacturers, exemplified by Leaderdrive, have successfully ascended to the global top tier. The key to success in the next decade will hinge on a company's ability to sustain leadership in technologies like lightweight materials, while effectively capturing opportunities in evolving markets such as Europe, America, Japan, and South Korea.

This report studies the global Harmonic Drive production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Harmonic Drive 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 Harmonic Drive that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Harmonic Drive total production and demand, 2021-2032, (K Units)

Global Harmonic Drive total production value, 2021-2032, (USD Million)

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

Global Harmonic Drive consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Harmonic Drive domestic production, consumption, key domestic manufacturers and share

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

Global Harmonic Drive production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Harmonic Drive production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Harmonic Drive 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 HDSI, Leaderdrive, ILJIN Motion & Control GmbH, Zhejiang Laifual, Shenzhen Han's Motion Technology, Nidec-Shimpo, OVALO GmbH, TC Drive, Beijing CTKM Harmonic Drive, Hiwin Corporation, 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 Harmonic Drive market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/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 Harmonic Drive Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Harmonic Drive Market, Segmentation by Type:

Cup Style

Hat Style

Pancake Style

Global Harmonic Drive Market, Segmentation by Accuracy:

?0.5 arcmin

0.5–1 arcmin

1–3 arcmin

Others

Global Harmonic Drive Market, Segmentation by Sales Channel:

Direct Sales

Distribution

Global Harmonic Drive Market, Segmentation by Application:

Industrial Robot

Semiconductor Equipment

Flat Panel Equipment

Machine Tools

Optical Machine

Printing, Bookbinding and Paper Machine

Metal Working Machine

Medical Equipment

Space Equipment

Automotive

Humanoid Robots

Defense Industry

Others

Companies Profiled:

HDSI

Leaderdrive

ILJIN Motion & Control GmbH

Zhejiang Laifual

Shenzhen Han's Motion Technology

Nidec-Shimpo

OVALO GmbH

TC Drive

Beijing CTKM Harmonic Drive

Hiwin Corporation

Reach Machinery

Sichuan TLIBOT Co.,Ltd.

Ningbo Zhongda Leader Intelligent Transmission

Wanshsin Seikou

Main Drive

KHGEARS

Guangzhou Haozhi Industrial

Too Eph Transmission Technology

Guohua Intelligent Equipment

Schaeffler

BENRUN Robot

KOFON

GAM Enterprise

BHDI

SBB Tech

SPG

Jiangsu Guomao Reducer

Cone Drive

LI-MING Machinery Co., Ltd.

Key Questions Answered:

1. How big is the global Harmonic Drive market?
2. What is the demand of the global Harmonic Drive market?
3. What is the year over year growth of the global Harmonic Drive market?
4. What is the production and production value of the global Harmonic Drive market?
5. Who are the key producers in the global Harmonic Drive market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Multifactor Authentication (MFA) Introduction
- 1.2 World Multifactor Authentication (MFA) Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Multifactor Authentication (MFA) Total Market by Region (by Headquarter Location)
 - 1.3.1 World Multifactor Authentication (MFA) Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
 - 1.3.3 China Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
 - 1.3.4 Europe Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
 - 1.3.5 Japan Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
 - 1.3.6 South Korea Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
 - 1.3.8 India Based Company Multifactor Authentication (MFA) Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Multifactor Authentication (MFA) Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Multifactor Authentication (MFA) Consumption Value (2021-2032)
- 2.2 World Multifactor Authentication (MFA) Consumption Value by Region
 - 2.2.1 World Multifactor Authentication (MFA) Consumption Value by Region (2021-2026)
 - 2.2.2 World Multifactor Authentication (MFA) Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Multifactor Authentication (MFA) Consumption Value (2021-2032)
- 2.4 China Multifactor Authentication (MFA) Consumption Value (2021-2032)
- 2.5 Europe Multifactor Authentication (MFA) Consumption Value (2021-2032)
- 2.6 Japan Multifactor Authentication (MFA) Consumption Value (2021-2032)
- 2.7 South Korea Multifactor Authentication (MFA) Consumption Value (2021-2032)
- 2.8 ASEAN Multifactor Authentication (MFA) Consumption Value (2021-2032)

2.9 India Multifactor Authentication (MFA) Consumption Value (2021-2032)

3 WORLD MULTIFACTOR AUTHENTICATION (MFA) COMPANIES COMPETITIVE ANALYSIS

3.1 World Multifactor Authentication (MFA) Revenue by Player (2021-2026)

3.2 Industry Rank and Concentration Rate (CR)

3.2.1 Global Multifactor Authentication (MFA) Industry Rank of Major Players

3.2.2 Global Concentration Ratios (CR4) for Multifactor Authentication (MFA) in 2025

3.2.3 Global Concentration Ratios (CR8) for Multifactor Authentication (MFA) in 2025

3.3 Multifactor Authentication (MFA) Company Evaluation Quadrant

3.4 Multifactor Authentication (MFA) Market: Overall Company Footprint Analysis

3.4.1 Multifactor Authentication (MFA) Market: Region Footprint

3.4.2 Multifactor Authentication (MFA) Market: Company Product Type Footprint

3.4.3 Multifactor Authentication (MFA) Market: Company Product Application Footprint

3.5 Competitive Environment

3.5.1 Historical Structure of the Industry

3.5.2 Barriers of Market Entry

3.5.3 Factors of Competition

3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

4.1 United States VS China: Multifactor Authentication (MFA) Revenue Comparison (by Headquarter Location)

4.1.1 United States VS China: Multifactor Authentication (MFA) Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)

4.1.2 United States VS China: Multifactor Authentication (MFA) Revenue Market Share Comparison (2021 & 2025 & 2032)

4.2 United States Based Companies VS China Based Companies: Multifactor Authentication (MFA) Consumption Value Comparison

4.2.1 United States VS China: Multifactor Authentication (MFA) Consumption Value Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Multifactor Authentication (MFA) Consumption Value Market Share Comparison (2021 & 2025 & 2032)

4.3 United States Based Multifactor Authentication (MFA) Companies and Market Share, 2021-2026

4.3.1 United States Based Multifactor Authentication (MFA) Companies, Headquarters

(States, Country)

4.3.2 United States Based Companies Multifactor Authentication (MFA) Revenue, (2021-2026)

4.4 China Based Companies Multifactor Authentication (MFA) Revenue and Market Share, 2021-2026

4.4.1 China Based Multifactor Authentication (MFA) Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Multifactor Authentication (MFA) Revenue, (2021-2026)

4.5 Rest of World Based Multifactor Authentication (MFA) Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Multifactor Authentication (MFA) Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Multifactor Authentication (MFA) Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Multifactor Authentication (MFA) Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Solutions

5.2.2 Services

5.2.3 Hardware

5.3 Market Segment by Type

5.3.1 World Multifactor Authentication (MFA) Market Size by Type (2021-2026)

5.3.2 World Multifactor Authentication (MFA) Market Size by Type (2027-2032)

5.3.3 World Multifactor Authentication (MFA) Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY DEPLOYMENT MODE

6.1 World Multifactor Authentication (MFA) Market Size Overview by Deployment Mode: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Deployment Mode

6.2.1 Cloud-based

6.2.2 On-premises

6.3 Market Segment by Deployment Mode

6.3.1 World Multifactor Authentication (MFA) Market Size by Deployment Mode (2021-2026)

6.3.2 World Multifactor Authentication (MFA) Market Size by Deployment Mode (2027-2032)

6.3.3 World Multifactor Authentication (MFA) Market Size Market Share by Deployment Mode (2027-2032)

7 MARKET ANALYSIS BY VERTICAL

7.1 World Multifactor Authentication (MFA) Market Size Overview by Vertical: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Vertical

7.2.1 Banking Financial Services and Insurance (BFSI)

7.2.2 IT and Telecommunication

7.2.3 Government and Defence

7.2.4 Others

7.3 Market Segment by Vertical

7.3.1 World Multifactor Authentication (MFA) Market Size by Vertical (2021-2026)

7.3.2 World Multifactor Authentication (MFA) Market Size by Vertical (2027-2032)

7.3.3 World Multifactor Authentication (MFA) Market Size Market Share by Vertical (2027-2032)

8 MARKET ANALYSIS BY MODEL TYPE

8.1 World Multifactor Authentication (MFA) Market Size Overview by Model Type: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Model Type

8.2.1 Two-Factor Authentication

8.2.2 Three-Factor Authentication and Above

8.3 Market Segment by Model Type

8.3.1 World Multifactor Authentication (MFA) Market Size by Model Type (2021-2026)

8.3.2 World Multifactor Authentication (MFA) Market Size by Model Type (2027-2032)

8.3.3 World Multifactor Authentication (MFA) Market Size Market Share by Model Type (2027-2032)

9 MARKET ANALYSIS BY APPLICATION

9.1 World Multifactor Authentication (MFA) Market Size Overview by Application: 2021 VS 2025 VS 2032

9.2 Segment Introduction by Application

9.2.1 Large Enterprises

9.2.2 Small and Medium-Sized Enterprises

9.3 Market Segment by Application

9.3.1 World Multifactor Authentication (MFA) Market Size by Application (2021-2026)

9.3.2 World Multifactor Authentication (MFA) Market Size by Application (2027-2032)

9.3.3 World Multifactor Authentication (MFA) Market Size Market Share by Application (2021-2032)

10 COMPANY PROFILES

10.1 Alibaba Cloud

10.1.1 Alibaba Cloud Details

10.1.2 Alibaba Cloud Major Business

10.1.3 Alibaba Cloud Multifactor Authentication (MFA) Product and Services

10.1.4 Alibaba Cloud Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.1.5 Alibaba Cloud Recent Developments/Updates

10.1.6 Alibaba Cloud Competitive Strengths & Weaknesses

10.2 Tencent Cloud

10.2.1 Tencent Cloud Details

10.2.2 Tencent Cloud Major Business

10.2.3 Tencent Cloud Multifactor Authentication (MFA) Product and Services

10.2.4 Tencent Cloud Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.2.5 Tencent Cloud Recent Developments/Updates

10.2.6 Tencent Cloud Competitive Strengths & Weaknesses

10.3 Huawei Cloud

10.3.1 Huawei Cloud Details

10.3.2 Huawei Cloud Major Business

10.3.3 Huawei Cloud Multifactor Authentication (MFA) Product and Services

10.3.4 Huawei Cloud Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.3.5 Huawei Cloud Recent Developments/Updates

10.3.6 Huawei Cloud Competitive Strengths & Weaknesses

10.4 Qi An Xin

10.4.1 Qi An Xin Details

10.4.2 Qi An Xin Major Business

10.4.3 Qi An Xin Multifactor Authentication (MFA) Product and Services

10.4.4 Qi An Xin Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

- 10.4.5 Qi An Xin Recent Developments/Updates
- 10.4.6 Qi An Xin Competitive Strengths & Weaknesses
- 10.5 Venustech
 - 10.5.1 Venustech Details
 - 10.5.2 Venustech Major Business
 - 10.5.3 Venustech Multifactor Authentication (MFA) Product and Services
 - 10.5.4 Venustech Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.5.5 Venustech Recent Developments/Updates
 - 10.5.6 Venustech Competitive Strengths & Weaknesses
- 10.6 Topsec
 - 10.6.1 Topsec Details
 - 10.6.2 Topsec Major Business
 - 10.6.3 Topsec Multifactor Authentication (MFA) Product and Services
 - 10.6.4 Topsec Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.6.5 Topsec Recent Developments/Updates
 - 10.6.6 Topsec Competitive Strengths & Weaknesses
- 10.7 NSFOCUS
 - 10.7.1 NSFOCUS Details
 - 10.7.2 NSFOCUS Major Business
 - 10.7.3 NSFOCUS Multifactor Authentication (MFA) Product and Services
 - 10.7.4 NSFOCUS Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.7.5 NSFOCUS Recent Developments/Updates
 - 10.7.6 NSFOCUS Competitive Strengths & Weaknesses
- 10.8 Sangfor
 - 10.8.1 Sangfor Details
 - 10.8.2 Sangfor Major Business
 - 10.8.3 Sangfor Multifactor Authentication (MFA) Product and Services
 - 10.8.4 Sangfor Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.8.5 Sangfor Recent Developments/Updates
 - 10.8.6 Sangfor Competitive Strengths & Weaknesses
- 10.9 Hillstone Networks
 - 10.9.1 Hillstone Networks Details
 - 10.9.2 Hillstone Networks Major Business
 - 10.9.3 Hillstone Networks Multifactor Authentication (MFA) Product and Services
 - 10.9.4 Hillstone Networks Multifactor Authentication (MFA) Revenue, Gross Margin

and Market Share (2021-2026)

10.9.5 Hillstone Networks Recent Developments/Updates

10.9.6 Hillstone Networks Competitive Strengths & Weaknesses

10.10 DBAPPSecurity

10.10.1 DBAPPSecurity Details

10.10.2 DBAPPSecurity Major Business

10.10.3 DBAPPSecurity Multifactor Authentication (MFA) Product and Services

10.10.4 DBAPPSecurity Multifactor Authentication (MFA) Revenue, Gross Margin and

Market Share (2021-2026)

10.10.5 DBAPPSecurity Recent Developments/Updates

10.10.6 DBAPPSecurity Competitive Strengths & Weaknesses

10.11 Paraview Software

10.11.1 Paraview Software Details

10.11.2 Paraview Software Major Business

10.11.3 Paraview Software Multifactor Authentication (MFA) Product and Services

10.11.4 Paraview Software Multifactor Authentication (MFA) Revenue, Gross Margin and

Market Share (2021-2026)

10.11.5 Paraview Software Recent Developments/Updates

10.11.6 Paraview Software Competitive Strengths & Weaknesses

10.12 Microsoft

10.12.1 Microsoft Details

10.12.2 Microsoft Major Business

10.12.3 Microsoft Multifactor Authentication (MFA) Product and Services

10.12.4 Microsoft Multifactor Authentication (MFA) Revenue, Gross Margin and Market

Share (2021-2026)

10.12.5 Microsoft Recent Developments/Updates

10.12.6 Microsoft Competitive Strengths & Weaknesses

10.13 Google

10.13.1 Google Details

10.13.2 Google Major Business

10.13.3 Google Multifactor Authentication (MFA) Product and Services

10.13.4 Google Multifactor Authentication (MFA) Revenue, Gross Margin and Market

Share (2021-2026)

10.13.5 Google Recent Developments/Updates

10.13.6 Google Competitive Strengths & Weaknesses

10.14 Amazon Web Services

10.14.1 Amazon Web Services Details

10.14.2 Amazon Web Services Major Business

10.14.3 Amazon Web Services Multifactor Authentication (MFA) Product and Services

10.14.4 Amazon Web Services Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.14.5 Amazon Web Services Recent Developments/Updates

10.14.6 Amazon Web Services Competitive Strengths & Weaknesses

10.15 Cisco

10.15.1 Cisco Details

10.15.2 Cisco Major Business

10.15.3 Cisco Multifactor Authentication (MFA) Product and Services

10.15.4 Cisco Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.15.5 Cisco Recent Developments/Updates

10.15.6 Cisco Competitive Strengths & Weaknesses

10.16 Palo Alto Networks

10.16.1 Palo Alto Networks Details

10.16.2 Palo Alto Networks Major Business

10.16.3 Palo Alto Networks Multifactor Authentication (MFA) Product and Services

10.16.4 Palo Alto Networks Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.16.5 Palo Alto Networks Recent Developments/Updates

10.16.6 Palo Alto Networks Competitive Strengths & Weaknesses

10.17 Broadcom

10.17.1 Broadcom Details

10.17.2 Broadcom Major Business

10.17.3 Broadcom Multifactor Authentication (MFA) Product and Services

10.17.4 Broadcom Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.17.5 Broadcom Recent Developments/Updates

10.17.6 Broadcom Competitive Strengths & Weaknesses

10.18 Thales

10.18.1 Thales Details

10.18.2 Thales Major Business

10.18.3 Thales Multifactor Authentication (MFA) Product and Services

10.18.4 Thales Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)

10.18.5 Thales Recent Developments/Updates

10.18.6 Thales Competitive Strengths & Weaknesses

10.19 IBM

10.19.1 IBM Details

10.19.2 IBM Major Business

- 10.19.3 IBM Multifactor Authentication (MFA) Product and Services
- 10.19.4 IBM Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
- 10.19.5 IBM Recent Developments/Updates
- 10.19.6 IBM Competitive Strengths & Weaknesses
- 10.20 Oracle
 - 10.20.1 Oracle Details
 - 10.20.2 Oracle Major Business
 - 10.20.3 Oracle Multifactor Authentication (MFA) Product and Services
 - 10.20.4 Oracle Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.20.5 Oracle Recent Developments/Updates
 - 10.20.6 Oracle Competitive Strengths & Weaknesses
- 10.21 Okta
 - 10.21.1 Okta Details
 - 10.21.2 Okta Major Business
 - 10.21.3 Okta Multifactor Authentication (MFA) Product and Services
 - 10.21.4 Okta Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.21.5 Okta Recent Developments/Updates
 - 10.21.6 Okta Competitive Strengths & Weaknesses
- 10.22 Fortinet
 - 10.22.1 Fortinet Details
 - 10.22.2 Fortinet Major Business
 - 10.22.3 Fortinet Multifactor Authentication (MFA) Product and Services
 - 10.22.4 Fortinet Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.22.5 Fortinet Recent Developments/Updates
 - 10.22.6 Fortinet Competitive Strengths & Weaknesses
- 10.23 Ping Identity
 - 10.23.1 Ping Identity Details
 - 10.23.2 Ping Identity Major Business
 - 10.23.3 Ping Identity Multifactor Authentication (MFA) Product and Services
 - 10.23.4 Ping Identity Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.23.5 Ping Identity Recent Developments/Updates
 - 10.23.6 Ping Identity Competitive Strengths & Weaknesses
- 10.24 RSA Security
 - 10.24.1 RSA Security Details

- 10.24.2 RSA Security Major Business
- 10.24.3 RSA Security Multifactor Authentication (MFA) Product and Services
- 10.24.4 RSA Security Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
- 10.24.5 RSA Security Recent Developments/Updates
- 10.24.6 RSA Security Competitive Strengths & Weaknesses
- 10.25 Entrust
 - 10.25.1 Entrust Details
 - 10.25.2 Entrust Major Business
 - 10.25.3 Entrust Multifactor Authentication (MFA) Product and Services
 - 10.25.4 Entrust Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.25.5 Entrust Recent Developments/Updates
 - 10.25.6 Entrust Competitive Strengths & Weaknesses
- 10.26 ASSA ABLOY
 - 10.26.1 ASSA ABLOY Details
 - 10.26.2 ASSA ABLOY Major Business
 - 10.26.3 ASSA ABLOY Multifactor Authentication (MFA) Product and Services
 - 10.26.4 ASSA ABLOY Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.26.5 ASSA ABLOY Recent Developments/Updates
 - 10.26.6 ASSA ABLOY Competitive Strengths & Weaknesses
- 10.27 IDEMIA
 - 10.27.1 IDEMIA Details
 - 10.27.2 IDEMIA Major Business
 - 10.27.3 IDEMIA Multifactor Authentication (MFA) Product and Services
 - 10.27.4 IDEMIA Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.27.5 IDEMIA Recent Developments/Updates
 - 10.27.6 IDEMIA Competitive Strengths & Weaknesses
- 10.28 Yubico
 - 10.28.1 Yubico Details
 - 10.28.2 Yubico Major Business
 - 10.28.3 Yubico Multifactor Authentication (MFA) Product and Services
 - 10.28.4 Yubico Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
 - 10.28.5 Yubico Recent Developments/Updates
 - 10.28.6 Yubico Competitive Strengths & Weaknesses
- 10.29 One Identity

- 10.29.1 One Identity Details
- 10.29.2 One Identity Major Business
- 10.29.3 One Identity Multifactor Authentication (MFA) Product and Services
- 10.29.4 One Identity Multifactor Authentication (MFA) Revenue, Gross Margin and Market Share (2021-2026)
- 10.29.5 One Identity Recent Developments/Updates
- 10.29.6 One Identity Competitive Strengths & Weaknesses

11 INDUSTRY CHAIN ANALYSIS

- 11.1 Multifactor Authentication (MFA) Industry Chain
- 11.2 Multifactor Authentication (MFA) Upstream Analysis
- 11.3 Multifactor Authentication (MFA) Midstream Analysis
- 11.4 Multifactor Authentication (MFA) Downstream Analysis

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

- 13.1 Methodology
- 13.2 Research Process and Data Source
- 13.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Harmonic Drive Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Harmonic Drive Production Value by Region (2021-2026) & (USD Million)

Table 3. World Harmonic Drive Production Value by Region (2027-2032) & (USD Million)

Table 4. World Harmonic Drive Production Value Market Share by Region (2021-2026)

Table 5. World Harmonic Drive Production Value Market Share by Region (2027-2032)

Table 6. World Harmonic Drive Production by Region (2021-2026) & (K Units)

Table 7. World Harmonic Drive Production by Region (2027-2032) & (K Units)

Table 8. World Harmonic Drive Production Market Share by Region (2021-2026)

Table 9. World Harmonic Drive Production Market Share by Region (2027-2032)

Table 10. World Harmonic Drive Average Price by Region (2021-2026) & (USD/Unit)

Table 11. World Harmonic Drive Average Price by Region (2027-2032) & (USD/Unit)

Table 12. Harmonic Drive Major Market Trends

Table 13. World Harmonic Drive Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Harmonic Drive Consumption by Region (2021-2026) & (K Units)

Table 15. World Harmonic Drive Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Harmonic Drive Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Harmonic Drive Producers in 2025

Table 18. World Harmonic Drive Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Harmonic Drive Producers in 2025

Table 20. World Harmonic Drive Average Price by Manufacturer (2021-2026) & (USD/Unit)

Table 21. Global Harmonic Drive Company Evaluation Quadrant

Table 22. World Harmonic Drive Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Harmonic Drive Production Site of Key Manufacturer

Table 24. Harmonic Drive Market: Company Product Type Footprint

Table 25. Harmonic Drive Market: Company Product Application Footprint

Table 26. Harmonic Drive Competitive Factors

Table 27. Harmonic Drive New Entrant and Capacity Expansion Plans

Table 28. Harmonic Drive Mergers & Acquisitions Activity

Table 29. United States VS China Harmonic Drive Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Harmonic Drive Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Harmonic Drive Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Harmonic Drive Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Harmonic Drive Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Harmonic Drive Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Harmonic Drive Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Harmonic Drive Production Market Share (2021-2026)

Table 37. China Based Harmonic Drive Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Harmonic Drive Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Harmonic Drive Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Harmonic Drive Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Harmonic Drive Production Market Share (2021-2026)

Table 42. Rest of World Based Harmonic Drive Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Harmonic Drive Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Harmonic Drive Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Harmonic Drive Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Harmonic Drive Production Market Share (2021-2026)

Table 47. World Harmonic Drive Production Value by Type, (USD Million), 2021 & 2025 & 2032

- Table 48. World Harmonic Drive Production by Type (2021-2026) & (K Units)
- Table 49. World Harmonic Drive Production by Type (2027-2032) & (K Units)
- Table 50. World Harmonic Drive Production Value by Type (2021-2026) & (USD Million)
- Table 51. World Harmonic Drive Production Value by Type (2027-2032) & (USD Million)
- Table 52. World Harmonic Drive Average Price by Type (2021-2026) & (USD/Unit)
- Table 53. World Harmonic Drive Average Price by Type (2027-2032) & (USD/Unit)
- Table 54. World Harmonic Drive Production Value by Accuracy, (USD Million), 2021 & 2025 & 2032
- Table 55. World Harmonic Drive Production by Accuracy (2021-2026) & (K Units)
- Table 56. World Harmonic Drive Production by Accuracy (2027-2032) & (K Units)
- Table 57. World Harmonic Drive Production Value by Accuracy (2021-2026) & (USD Million)
- Table 58. World Harmonic Drive Production Value by Accuracy (2027-2032) & (USD Million)
- Table 59. World Harmonic Drive Average Price by Accuracy (2021-2026) & (USD/Unit)
- Table 60. World Harmonic Drive Average Price by Accuracy (2027-2032) & (USD/Unit)
- Table 61. World Harmonic Drive Production Value by Sales Channel, (USD Million), 2021 & 2025 & 2032
- Table 62. World Harmonic Drive Production by Sales Channel (2021-2026) & (K Units)
- Table 63. World Harmonic Drive Production by Sales Channel (2027-2032) & (K Units)
- Table 64. World Harmonic Drive Production Value by Sales Channel (2021-2026) & (USD Million)
- Table 65. World Harmonic Drive Production Value by Sales Channel (2027-2032) & (USD Million)
- Table 66. World Harmonic Drive Average Price by Sales Channel (2021-2026) & (USD/Unit)
- Table 67. World Harmonic Drive Average Price by Sales Channel (2027-2032) & (USD/Unit)
- Table 68. World Harmonic Drive Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World Harmonic Drive Production by Application (2021-2026) & (K Units)
- Table 70. World Harmonic Drive Production by Application (2027-2032) & (K Units)
- Table 71. World Harmonic Drive Production Value by Application (2021-2026) & (USD Million)
- Table 72. World Harmonic Drive Production Value by Application (2027-2032) & (USD Million)
- Table 73. World Harmonic Drive Average Price by Application (2021-2026) & (USD/Unit)
- Table 74. World Harmonic Drive Average Price by Application (2027-2032) &

(USD/Unit)

Table 75. HDSI Basic Information, Manufacturing Base and Competitors

Table 76. HDSI Major Business

Table 77. HDSI Harmonic Drive Product and Services

Table 78. HDSI Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. HDSI Recent Developments/Updates

Table 80. HDSI Competitive Strengths & Weaknesses

Table 81. Leaderdrive Basic Information, Manufacturing Base and Competitors

Table 82. Leaderdrive Major Business

Table 83. Leaderdrive Harmonic Drive Product and Services

Table 84. Leaderdrive Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Leaderdrive Recent Developments/Updates

Table 86. Leaderdrive Competitive Strengths & Weaknesses

Table 87. ILJIN Motion & Control GmbH Basic Information, Manufacturing Base and Competitors

Table 88. ILJIN Motion & Control GmbH Major Business

Table 89. ILJIN Motion & Control GmbH Harmonic Drive Product and Services

Table 90. ILJIN Motion & Control GmbH Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. ILJIN Motion & Control GmbH Recent Developments/Updates

Table 92. ILJIN Motion & Control GmbH Competitive Strengths & Weaknesses

Table 93. Zhejiang Laifual Basic Information, Manufacturing Base and Competitors

Table 94. Zhejiang Laifual Major Business

Table 95. Zhejiang Laifual Harmonic Drive Product and Services

Table 96. Zhejiang Laifual Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Zhejiang Laifual Recent Developments/Updates

Table 98. Zhejiang Laifual Competitive Strengths & Weaknesses

Table 99. Shenzhen Han's Motion Technology Basic Information, Manufacturing Base and Competitors

Table 100. Shenzhen Han's Motion Technology Major Business

Table 101. Shenzhen Han's Motion Technology Harmonic Drive Product and Services

Table 102. Shenzhen Han's Motion Technology Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Shenzhen Han's Motion Technology Recent Developments/Updates

- Table 104. Shenzhen Han's Motion Technology Competitive Strengths & Weaknesses
- Table 105. Nidec-Shimpo Basic Information, Manufacturing Base and Competitors
- Table 106. Nidec-Shimpo Major Business
- Table 107. Nidec-Shimpo Harmonic Drive Product and Services
- Table 108. Nidec-Shimpo Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Nidec-Shimpo Recent Developments/Updates
- Table 110. Nidec-Shimpo Competitive Strengths & Weaknesses
- Table 111. OVALO GmbH Basic Information, Manufacturing Base and Competitors
- Table 112. OVALO GmbH Major Business
- Table 113. OVALO GmbH Harmonic Drive Product and Services
- Table 114. OVALO GmbH Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. OVALO GmbH Recent Developments/Updates
- Table 116. OVALO GmbH Competitive Strengths & Weaknesses
- Table 117. TC Drive Basic Information, Manufacturing Base and Competitors
- Table 118. TC Drive Major Business
- Table 119. TC Drive Harmonic Drive Product and Services
- Table 120. TC Drive Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. TC Drive Recent Developments/Updates
- Table 122. TC Drive Competitive Strengths & Weaknesses
- Table 123. Beijing CTKM Harmonic Drive Basic Information, Manufacturing Base and Competitors
- Table 124. Beijing CTKM Harmonic Drive Major Business
- Table 125. Beijing CTKM Harmonic Drive Harmonic Drive Product and Services
- Table 126. Beijing CTKM Harmonic Drive Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Beijing CTKM Harmonic Drive Recent Developments/Updates
- Table 128. Beijing CTKM Harmonic Drive Competitive Strengths & Weaknesses
- Table 129. Hiwin Corporation Basic Information, Manufacturing Base and Competitors
- Table 130. Hiwin Corporation Major Business
- Table 131. Hiwin Corporation Harmonic Drive Product and Services
- Table 132. Hiwin Corporation Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Hiwin Corporation Recent Developments/Updates
- Table 134. Hiwin Corporation Competitive Strengths & Weaknesses
- Table 135. Reach Machinery Basic Information, Manufacturing Base and Competitors

- Table 136. Reach Machinery Major Business
- Table 137. Reach Machinery Harmonic Drive Product and Services
- Table 138. Reach Machinery Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 139. Reach Machinery Recent Developments/Updates
- Table 140. Reach Machinery Competitive Strengths & Weaknesses
- Table 141. Sichuan TLIBOT Co.,Ltd. Basic Information, Manufacturing Base and Competitors
- Table 142. Sichuan TLIBOT Co.,Ltd. Major Business
- Table 143. Sichuan TLIBOT Co.,Ltd. Harmonic Drive Product and Services
- Table 144. Sichuan TLIBOT Co.,Ltd. Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. Sichuan TLIBOT Co.,Ltd. Recent Developments/Updates
- Table 146. Sichuan TLIBOT Co.,Ltd. Competitive Strengths & Weaknesses
- Table 147. Ningbo Zhongda Leader Intelligent Transmission Basic Information, Manufacturing Base and Competitors
- Table 148. Ningbo Zhongda Leader Intelligent Transmission Major Business
- Table 149. Ningbo Zhongda Leader Intelligent Transmission Harmonic Drive Product and Services
- Table 150. Ningbo Zhongda Leader Intelligent Transmission Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. Ningbo Zhongda Leader Intelligent Transmission Recent Developments/Updates
- Table 152. Ningbo Zhongda Leader Intelligent Transmission Competitive Strengths & Weaknesses
- Table 153. Wanshsin Seikou Basic Information, Manufacturing Base and Competitors
- Table 154. Wanshsin Seikou Major Business
- Table 155. Wanshsin Seikou Harmonic Drive Product and Services
- Table 156. Wanshsin Seikou Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. Wanshsin Seikou Recent Developments/Updates
- Table 158. Wanshsin Seikou Competitive Strengths & Weaknesses
- Table 159. Main Drive Basic Information, Manufacturing Base and Competitors
- Table 160. Main Drive Major Business
- Table 161. Main Drive Harmonic Drive Product and Services
- Table 162. Main Drive Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 163. Main Drive Recent Developments/Updates
- Table 164. Main Drive Competitive Strengths & Weaknesses
- Table 165. KHGEARS Basic Information, Manufacturing Base and Competitors
- Table 166. KHGEARS Major Business
- Table 167. KHGEARS Harmonic Drive Product and Services
- Table 168. KHGEARS Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. KHGEARS Recent Developments/Updates
- Table 170. KHGEARS Competitive Strengths & Weaknesses
- Table 171. Guangzhou Haozhi Industrial Basic Information, Manufacturing Base and Competitors
- Table 172. Guangzhou Haozhi Industrial Major Business
- Table 173. Guangzhou Haozhi Industrial Harmonic Drive Product and Services
- Table 174. Guangzhou Haozhi Industrial Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. Guangzhou Haozhi Industrial Recent Developments/Updates
- Table 176. Guangzhou Haozhi Industrial Competitive Strengths & Weaknesses
- Table 177. Too Eph Transmission Technology Basic Information, Manufacturing Base and Competitors
- Table 178. Too Eph Transmission Technology Major Business
- Table 179. Too Eph Transmission Technology Harmonic Drive Product and Services
- Table 180. Too Eph Transmission Technology Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 181. Too Eph Transmission Technology Recent Developments/Updates
- Table 182. Too Eph Transmission Technology Competitive Strengths & Weaknesses
- Table 183. Guohua Intelligent Equipment Basic Information, Manufacturing Base and Competitors
- Table 184. Guohua Intelligent Equipment Major Business
- Table 185. Guohua Intelligent Equipment Harmonic Drive Product and Services
- Table 186. Guohua Intelligent Equipment Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 187. Guohua Intelligent Equipment Recent Developments/Updates
- Table 188. Guohua Intelligent Equipment Competitive Strengths & Weaknesses
- Table 189. Schaeffler Basic Information, Manufacturing Base and Competitors
- Table 190. Schaeffler Major Business
- Table 191. Schaeffler Harmonic Drive Product and Services

- Table 192. Schaeffler Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 193. Schaeffler Recent Developments/Updates
- Table 194. Schaeffler Competitive Strengths & Weaknesses
- Table 195. BENRUN Robot Basic Information, Manufacturing Base and Competitors
- Table 196. BENRUN Robot Major Business
- Table 197. BENRUN Robot Harmonic Drive Product and Services
- Table 198. BENRUN Robot Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 199. BENRUN Robot Recent Developments/Updates
- Table 200. BENRUN Robot Competitive Strengths & Weaknesses
- Table 201. KOFON Basic Information, Manufacturing Base and Competitors
- Table 202. KOFON Major Business
- Table 203. KOFON Harmonic Drive Product and Services
- Table 204. KOFON Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 205. KOFON Recent Developments/Updates
- Table 206. KOFON Competitive Strengths & Weaknesses
- Table 207. GAM Enterprise Basic Information, Manufacturing Base and Competitors
- Table 208. GAM Enterprise Major Business
- Table 209. GAM Enterprise Harmonic Drive Product and Services
- Table 210. GAM Enterprise Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 211. GAM Enterprise Recent Developments/Updates
- Table 212. GAM Enterprise Competitive Strengths & Weaknesses
- Table 213. BHDl Basic Information, Manufacturing Base and Competitors
- Table 214. BHDl Major Business
- Table 215. BHDl Harmonic Drive Product and Services
- Table 216. BHDl Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 217. BHDl Recent Developments/Updates
- Table 218. BHDl Competitive Strengths & Weaknesses
- Table 219. SBB Tech Basic Information, Manufacturing Base and Competitors
- Table 220. SBB Tech Major Business
- Table 221. SBB Tech Harmonic Drive Product and Services
- Table 222. SBB Tech Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 223. SBB Tech Recent Developments/Updates
- Table 224. SBB Tech Competitive Strengths & Weaknesses

- Table 225. SPG Basic Information, Manufacturing Base and Competitors
- Table 226. SPG Major Business
- Table 227. SPG Harmonic Drive Product and Services
- Table 228. SPG Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 229. SPG Recent Developments/Updates
- Table 230. SPG Competitive Strengths & Weaknesses
- Table 231. Jiangsu Guomao Reducer Basic Information, Manufacturing Base and Competitors
- Table 232. Jiangsu Guomao Reducer Major Business
- Table 233. Jiangsu Guomao Reducer Harmonic Drive Product and Services
- Table 234. Jiangsu Guomao Reducer Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 235. Jiangsu Guomao Reducer Recent Developments/Updates
- Table 236. Jiangsu Guomao Reducer Competitive Strengths & Weaknesses
- Table 237. Cone Drive Basic Information, Manufacturing Base and Competitors
- Table 238. Cone Drive Major Business
- Table 239. Cone Drive Harmonic Drive Product and Services
- Table 240. Cone Drive Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 241. Cone Drive Recent Developments/Updates
- Table 242. Cone Drive Competitive Strengths & Weaknesses
- Table 243. LI-MING Machinery Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 244. LI-MING Machinery Co., Ltd. Major Business
- Table 245. LI-MING Machinery Co., Ltd. Harmonic Drive Product and Services
- Table 246. LI-MING Machinery Co., Ltd. Harmonic Drive Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 247. LI-MING Machinery Co., Ltd. Recent Developments/Updates
- Table 248. LI-MING Machinery Co., Ltd. Competitive Strengths & Weaknesses
- Table 249. Global Key Players of Harmonic Drive Upstream (Raw Materials)
- Table 250. Global Harmonic Drive Typical Customers
- Table 251. Harmonic Drive Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Harmonic Drive Picture

Figure 2. World Harmonic Drive Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Harmonic Drive Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Harmonic Drive Production (2021-2032) & (K Units)

Figure 5. World Harmonic Drive Average Price (2021-2032) & (USD/Unit)

Figure 6. World Harmonic Drive Production Value Market Share by Region (2021-2032)

Figure 7. World Harmonic Drive Production Market Share by Region (2021-2032)

Figure 8. North America Harmonic Drive Production (2021-2032) & (K Units)

Figure 9. Europe Harmonic Drive Production (2021-2032) & (K Units)

Figure 10. China Harmonic Drive Production (2021-2032) & (K Units)

Figure 11. Japan Harmonic Drive Production (2021-2032) & (K Units)

Figure 12. Korea Harmonic Drive Production (2021-2032) & (K Units)

Figure 13. Taiwan Harmonic Drive Production (2021-2032) & (K Units)

Figure 14. Southeast Asia Harmonic Drive Production (2021-2032) & (K Units)

Figure 15. Harmonic Drive Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 18. World Harmonic Drive Consumption Market Share by Region (2021-2032)

Figure 19. United States Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 20. China Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 21. Europe Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 22. Japan Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 23. South Korea Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 24. ASEAN Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 25. India Harmonic Drive Consumption (2021-2032) & (K Units)

Figure 26. Producer Shipments of Harmonic Drive by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for Harmonic Drive Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Harmonic Drive Markets in 2025

Figure 29. United States VS China: Harmonic Drive Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Harmonic Drive Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Harmonic Drive Consumption Market Share

Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Harmonic Drive Production Market Share 2025

Figure 33. China Based Manufacturers Harmonic Drive Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Harmonic Drive Production Market Share 2025

Figure 35. World Harmonic Drive Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Harmonic Drive Production Value Market Share by Type in 2025

Figure 37. Cup Style

Figure 38. Hat Style

Figure 39. Pancake Style

Figure 40. World Harmonic Drive Production Market Share by Type (2021-2032)

Figure 41. World Harmonic Drive Production Value Market Share by Type (2021-2032)

Figure 42. World Harmonic Drive Average Price by Type (2021-2032) & (USD/Unit)

Figure 43. World Harmonic Drive Production Value by Accuracy, (USD Million), 2021 & 2025 & 2032

Figure 44. World Harmonic Drive Production Value Market Share by Accuracy in 2025

Figure 45. ?0.5 arcmin

Figure 46. 0.5–1 arcmin

Figure 47. 1–3 arcmin

Figure 48. Others

Figure 49. World Harmonic Drive Production Market Share by Accuracy (2021-2032)

Figure 50. World Harmonic Drive Production Value Market Share by Accuracy (2021-2032)

Figure 51. World Harmonic Drive Average Price by Accuracy (2021-2032) & (USD/Unit)

Figure 52. World Harmonic Drive Production Value by Sales Channel, (USD Million), 2021 & 2025 & 2032

Figure 53. World Harmonic Drive Production Value Market Share by Sales Channel in 2025

Figure 54. Direct Sales

Figure 55. Distribution

Figure 56. World Harmonic Drive Production Market Share by Sales Channel (2021-2032)

Figure 57. World Harmonic Drive Production Value Market Share by Sales Channel (2021-2032)

Figure 58. World Harmonic Drive Average Price by Sales Channel (2021-2032) &

(USD/Unit)

Figure 59. World Harmonic Drive Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Harmonic Drive Production Value Market Share by Application in 2025

Figure 61. Industrial Robot

Figure 62. Semiconductor Equipment

Figure 63. Flat Panel Equipment

Figure 64. Machine Tools

Figure 65. Optical Machine

Figure 66. Printing, Bookbinding and Paper Machine

Figure 67. Metal Working Machine

Figure 68. Medical Equipment

Figure 69. Medical Equipment

Figure 70. World Harmonic Drive Production Market Share by Application (2021-2032)

Figure 71. World Harmonic Drive Production Value Market Share by Application (2021-2032)

Figure 72. World Harmonic Drive Average Price by Application (2021-2032) & (USD/Unit)

Figure 73. Harmonic Drive Industry Chain

Figure 74. Harmonic Drive Procurement Model

Figure 75. Harmonic Drive Sales Model

Figure 76. Harmonic Drive Sales Channels, Direct Sales, and Distribution

Figure 77. Methodology

Figure 78. Research Process and Data Source

I would like to order

Product name: Global Harmonic Drive Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G6909D611941EN.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/G6909D611941EN.html>