

Japan Powered Suit Market to Surge at a CAGR of 28.03% and Reach US\$ 151.87 Million by 2032 | Astute Analytica

CHICAGO, NY, UNITED STATES, November 20, 2024

[/EINPresswire.com/](https://www.astuteanalytica.com/) -- The [powered suit market](https://www.astuteanalytica.com/), valued at US\$ 17.39 million in 2023, is expected to experience significant growth in the coming years. With a projected market size of US\$ 151.87 million by 2032, the market is anticipated to expand at a strong compound annual growth rate (CAGR) of 28.03% during the forecast period of 2024–2032.

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Powered suits, also known as exoskeletons, are wearable devices designed to assist individuals in enhancing physical performance and mobility. The growing demand for these technologies in sectors such as healthcare, manufacturing, and rehabilitation is driving the rapid adoption of powered suits across Japan. Key factors contributing to the market growth include technological advancements, the increasing aging population, and the rising need for labor assistance and support in physically demanding industries.

Key findings:

Market drivers: Aging population, labor shortages, and technological advancements.

Japan's demographic crisis, marked by an aging population and declining birth rates, has led to a shrinking workforce now at 74 million in 2023. Labor shortages are acute in sectors like construction, manufacturing, and caregiving. Over 30% of construction workers are aged 55 or older, prompting companies in the powered suit market to seek powered suits to reduce physical strain and extend workers' careers. Powered suits enable older employees to perform demanding tasks safely. Obayashi Corporation introduced exoskeletons allowing workers to lift materials up to 40 kilograms without undue stress. As of 2023, over 10,000 exoskeletons are in use at construction sites nationwide. In manufacturing, Toyota employs over 1,500 powered suits

in factories to maintain productivity amid workforce declines.

In healthcare, the sector anticipates a shortage of 370,000 caregivers by 2025. Powered suits like the HAL suit assist staff in lifting and transferring patients, with over 500 eldercare facilities utilizing this technology. Government subsidies totaling ¥15 billion in 2023 have facilitated the adoption of exoskeletons by over 2,000 SMEs, enhancing accessibility and addressing labor shortages.

As Japan's population continues to age, there is an increasing need for assistive devices to help the elderly and disabled regain independence and improve quality of life. In addition, the use of powered suits in industrial applications, including factory work and construction, has shown promise in reducing the risk of injury and enhancing worker efficiency.

The Japan powered suit market is poised for significant development, driven by ongoing research and development efforts, partnerships, and government initiatives aimed at supporting the adoption of advanced robotic technologies.

For more information, visit: <https://www.astuteanalytica.com/industry-report/japan-powered-suit-market>

Key players in the market include:

- Cyberdyne Inc.
- Honda
- Mitsubishi Heavy Industries (MHI) Group
- Mizuno Corporation
- JTEKT Corporation
- Sarcos Robotics
- Lockheed Martin Corporation
- Ekso Bionics
- Other Prominent Players

Market Segmentation Overview:

By Component

- Hardware
- Software
- Services

By Category

- Static

- Dynamic

By Technology

- Hydraulic
- Electric
- Pneumatic
- Others

By Application

- Health Management
- Military Affairs & Activities
- Industry

By End User Sector

- Medical
- Military
- Media & Entertainment
- Manufacturing
- Agriculture
- Healthcare & Home care
- Public services
- Construction
- Logistics
- Personal

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