

Automatic Mask Production Equipment Market Size to Reach \$13.81 Billion by 2034, Growing at 9.48% CAGR

*Global Automatic Mask Production Equipment Market Size (2024–2034):
From \$5.58B to \$13.81B | 9.48% CAGR
Fueling Smart Manufacturing in PPE*

PUNE, MAHARASHTRA, INDIA, July 31, 2025 /EINPresswire.com/ -- □ Executive Summary:

The [global automatic mask production equipment market](#) was valued at approximately USD 5.58 billion in 2024 and is projected to reach USD 13.81 billion by 2034, expanding at a compound annual growth rate (CAGR) of 9.48% between 2025 and 2034.

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The global automatic mask production equipment market size was worth around USD 5.58 billion in 2024 and is predicted to grow to around USD 13.81 billion by 2034, (CAGR) of roughly 9.48%.”

Deepak Rupnar

□ Introduction:

Automatic mask production equipment refers to advanced, high-speed machinery designed to manufacture face masks—including surgical masks, N95/KN95 respirators, and other medical-



Automatic Mask Production Equipment Market

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The demand for automatic mask production machinery is surging globally due to the continued emphasis on pandemic preparedness, occupational health and safety, and the automation of personal protective equipment (PPE) manufacturing. Fully automated lines that streamline cutting, welding, folding, and packaging processes are transforming the mask production landscape with higher

speed, precision, and reduced human intervention.

grade or industrial-grade protective masks—with minimal human interaction.

These systems integrate automated material feeding, ultrasonic welding, ear loop installation, mask folding, and quality inspection to deliver efficient and scalable production lines for PPE manufacturers worldwide.

Key Insights:

As per the analysis shared by our research analyst, the global automatic mask production equipment market is estimated to grow annually at a CAGR of around 9.48% over the forecast period (2025-2034)

In terms of revenue, the global automatic mask production equipment market size was valued at around USD 5.58 billion in 2024 and is projected to reach USD 13.81 billion by 2034.

The automatic mask production equipment market is projected to grow at a significant rate due to the growing demand for medical or surgical masks.

Based on the product type, the surgical mask production equipment segment is growing at a high rate and will continue to dominate the global market as per industry projections. Based on the end-user, the medical segment is anticipated to command the largest market share.

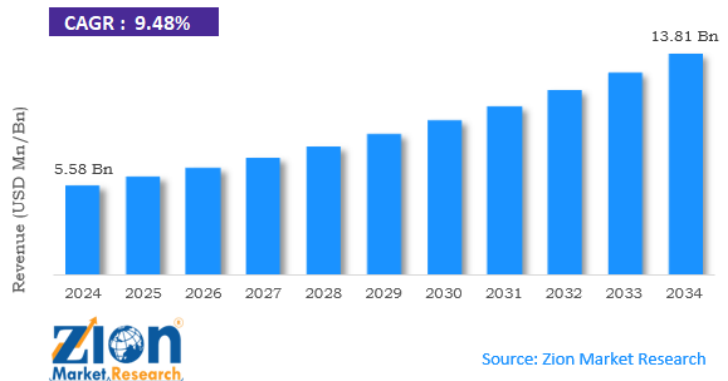
Based on region, Asia-Pacific is projected to dominate the global market during the forecast period.

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□ Market Drivers:

Global Automatic Mask Production Equipment Market, 2020-2034 (USD Billion)



Automatic Mask Production Equipment Market Size

The global automatic mask production equipment market is led by players like:

MABOTEX ENGINEERING
(CERA MECA Group)

KYD™
KYD Automatic Mask Machine Factory

OUNUO
Zhejiang Ounuo Machinery Co. Ltd.

NCM
Nonwoven Converting Machinery Co. Ltd.

Broadfair
AUTOMATION EQUIPMENT

TRM
TRM - Top Rank Machinery Inc.

Healthy Machinery

Dongguan Chuangyu Ultrasonic Machinery

TESTEX
Dongguan Li Cheng Mechanical Equipment

Shenzhen Rison Automation Co. Ltd.

CHANG HONG MACHINERY

Chang Hong Machinery

JUKI

Juki Corporation

Automatic Mask Production Equipment Market Competitive Analysis

□ Evolving Global Health Crises

Continued emergence of respiratory infections like COVID-19, H1N1, and other airborne pathogens has made strategic stockpiling and domestic production of PPE a public health priority.

□□ Industrial Automation Boom

Integration of Industry 4.0 technologies (IoT, AI, and robotics) in mask production drives demand for smart, touchless, and scalable equipment.

□ Rising Industrial Safety Standards

Demand for protective masks in construction, mining, textiles, and chemical industries increases reliance on efficient and consistent mask output.

□ Global Government Investments

Governments across the U.S., EU, India, and China are incentivizing local mask production through subsidies and public-private partnerships.

□ Market Segmentation:

□ By Equipment Type:

Flat Mask Making Machine

Cup Mask Making Machine

Fold Mask Making Machine

Duckbill Mask Machine

N95/KN95 Respirator Machine

Ear Loop Welding Machine

□ By End-User Industry:

Healthcare & Hospitals

Industrial & Manufacturing

Defense & Military

Consumer Use

Government & Public Health Agencies

□ By Automation Level:

Semi-Automatic

Fully Automatic

□ By Region:

North America

Europe

Asia-Pacific

Middle East & Africa

Latin America

□ Regional Insights:

□□ Asia-Pacific – Dominant Manufacturing Hub

China, South Korea, and India lead global mask production equipment demand and supply, driven by low-cost manufacturing capabilities and government-backed production mandates.

▣ North America – Automation Leaders

The U.S. is investing heavily in domestic PPE manufacturing post-COVID, with a focus on advanced automation and reshoring production lines.

▣ Europe – Quality & Regulation-Driven Market

Germany, Italy, and France emphasize CE-certified, high-speed mask machinery, aligned with stringent medical-grade manufacturing standards.

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▣ The global automatic mask production equipment market is led by players like:

Mabotex Engineering (CERA MECA Group)
KYD Automatic Mask Machine Factory
Dongguan Huitong Automatic Machinery Technology Co. Ltd.
Zhejiang Ounuo Machinery Co. Ltd.
DG SOUTH NEKON
Broadfair Automation Equipment
NCM Nonwoven Converting Machinery Co. Ltd.
TRM - Top Rank Machinery Inc.
Healthy Machinery
Dongguan Chuangyu Ultrasonic Machinery
TESTEX Instruments Ltd.
Dongguan Li Cheng Mechanical Equipment
Shenzhen Rison Automation Co. Ltd.
Chang Hong Machinery
Juki Corporation

These companies are focusing on technological innovation, product line expansion, and global supply chain integration to remain competitive in the rapidly evolving PPE automation market.

▣ Market Challenges:

▣ High Initial Capital Investment

Fully automated systems require significant setup costs and space, limiting adoption among small-scale manufacturers.

▣ Maintenance & Skilled Labor Shortage

Operating and maintaining precision mask-making equipment demands skilled technicians and operators.

▣ Volatile Demand Post-Pandemic

Mask consumption rates tend to decline after pandemic peaks, impacting the ROI on production machinery.

□ Future Outlook (2025–2034):

The future of the automatic mask production equipment market lies in smart factories that leverage robotics, AI-based inspection, and real-time monitoring for fault detection and performance optimization.

Demand will be driven by:

- AI-driven quality control and defect detection
- Eco-friendly mask materials requiring machinery upgrades
- Growing healthcare expenditure and public safety investments
- Integrated packaging and logistics automation

□ Conclusion:

The global automatic mask production equipment market is transitioning from reactive pandemic-response systems to strategic, long-term healthcare infrastructure investments. As nations prioritize resilience and self-reliance in PPE production, fully automated equipment will be central to meeting high-volume demands with efficiency, precision, and hygiene.

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