

# Global 12-inch Fully Automatic Dicing Machine Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global 12-inch Fully Automatic Dicing Machine market size is expected to reach \$ 620 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

In 2025, global production of 12-inch fully automatic dicing machines reached 740 units, with an average selling price of \$541,240 per unit. The 12-inch fully automatic dicing machine is a key piece of equipment in the semiconductor back-end process, used to precisely dice 300 mm wafers into individual chips after lamination, framing, or fixation on a vacuum adsorption stage. In a 300mm production line scenario, the key capability of a '12-inch dicing machine' is not just the dicing body itself, but the automation and consistency of the entire process: FOUW/bundle loading, vision alignment, closed-loop depth/height measurement, blade wear and compensation, post-cutting cleaning and particle control, and SECS/GEM/MES integration. Ultimately, delivery metrics are yield (chipping/cracks/particles), throughput (UPH/cycle time), OEE, and TCO. The upstream of the industry chain includes precision motion control: direct drive/servo platforms, encoders, guide rails, controllers and vibration/thermal drift suppression; spindle systems: high-speed, high-rigidity spindles, bearings and dynamic balancing; key consumables: diamond blades/grinding wheels, dicing tape and frames; midstream is complete machine manufacturing; and downstream serves wafer fabs, packaging and testing plants, and their automation/cleanroom/data system integrators. Gross profit margins are typically around 30%–50%.

This report studies the global 12-inch Fully Automatic Dicing Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 12-inch

Fully Automatic Dicing Machine 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 12-inch Fully Automatic Dicing Machine that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global 12-inch Fully Automatic Dicing Machine total production and demand, 2021-2032, (Units)

Global 12-inch Fully Automatic Dicing Machine total production value, 2021-2032, (USD Million)

Global 12-inch Fully Automatic Dicing Machine production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global 12-inch Fully Automatic Dicing Machine consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: 12-inch Fully Automatic Dicing Machine domestic production, consumption, key domestic manufacturers and share

Global 12-inch Fully Automatic Dicing Machine production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global 12-inch Fully Automatic Dicing Machine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global 12-inch Fully Automatic Dicing Machine production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global 12-inch Fully Automatic Dicing Machine 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 Disco Corporation, Tokyo Seimitsu, ADT (Advanced Dicing Technologies), GL TECH, Jiangsu Jingchuang Advanced Electronic Technology, Shenyang Heyan Technology, Han's Laser Technology, Suzhou Maxwell Technologies, Wuxi Autowell Technology, BJCORE, 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 12-inch Fully Automatic Dicing Machine market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (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 12-inch Fully Automatic Dicing Machine Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global 12-inch Fully Automatic Dicing Machine Market, Segmentation by Type:**

Single Spindle

Dual Spindle

**Global 12-inch Fully Automatic Dicing Machine Market, Segmentation by Separation Mechanism:**

Blade Dicing

Laser Dicing

Plasma Dicing

Global 12-inch Fully Automatic Dicing Machine Market, Segmentation by Application:

CIS

MEMS

Advanced Packaging

Others

Companies Profiled:

Disco Corporation

Tokyo Seimitsu

ADT (Advanced Dicing Technologies)

GL TECH

Jiangsu Jingchuang Advanced Electronic Technology

Shenyang Heyan Technology

Han's Laser Technology

Suzhou Maxwell Technologies

Wuxi Autowell Technology

BJCORE

CETC Beijing Electronic Equipment

Hefei Accuracy Intelligent Equipment

Hi-Test

**Key Questions Answered:**

1. How big is the global 12-inch Fully Automatic Dicing Machine market?
2. What is the demand of the global 12-inch Fully Automatic Dicing Machine market?
3. What is the year over year growth of the global 12-inch Fully Automatic Dicing Machine market?
4. What is the production and production value of the global 12-inch Fully Automatic Dicing Machine market?
5. Who are the key producers in the global 12-inch Fully Automatic Dicing Machine market?
6. What are the growth factors driving the market demand?

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