

Global High-speed Fin Production Line Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global High-speed Fin Production Line market size was valued at US\$ 741 million in 2025 and is forecast to a readjusted size of US\$ 1070 million by 2032 with a CAGR of 5.4% during review period.

High-speed Fin Production Line is an automated manufacturing line used for high-speed stamping, forming, feeding, cutting, and stacking of heat exchanger fins, supporting large-volume fin production for air-conditioning, refrigeration, and automotive heat exchanger applications. Compared with conventional fin processing equipment, its advantages lie in higher running speed, better dimensional consistency, stronger continuous automation, lower labor dependence, and better suitability for precision fin production under high-throughput conditions. In 2025, production was 16,000 units and the average price was USD 45,000 per unit. The industry's capacity utilization rate in 2025 was about 67%, and the average gross margin was around 25%. Upstream, the key inputs include alloy steel, ball screws, servo motors, linear guides, and controllers, with representative suppliers such as Baowu Steel Group, THK, and Yaskawa Electric providing steel materials, precision transmission components, motion-control parts, and control systems. The midstream segment focuses on press structure design, die matching, automatic feeding control, servo motion integration, fin forming, cutting and stacking mechanism assembly, line synchronization, precision calibration, safety protection, reliability testing, and final line commissioning, which together determine forming accuracy, operating speed, line stability, mold adaptability, automation level, and cost competitiveness. Downstream, High-speed Fin Production Line is mainly used in air-conditioning and refrigeration equipment as well as automotive heat exchanger production, where it supports fin manufacturing for evaporators, condensers, radiators, and other heat exchange components, with representative customers including Midea

Group, Gree Electric Appliances, and Denso.

High-speed Fin Production Line demand will be driven by heat exchanger manufacturers shifting from equipment-by-equipment upgrades to higher-throughput, synchronized production systems. In air-conditioning and refrigeration equipment, thinner fins, tighter pitch, and larger production batches make forming accuracy, feeding stability, and stacking consistency more important. In automotive heat exchangers, product diversification and stricter quality requirements push suppliers to improve die adaptability, servo control, and line reliability. As downstream customers pursue lower unit cost and steadier output, competition will focus on stamping speed, mold change efficiency, material utilization, precision transmission, controller responsiveness, and integration with automated handling systems.

This report is a detailed and comprehensive analysis for global High-speed Fin Production Line market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global High-speed Fin Production Line market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global High-speed Fin Production Line market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global High-speed Fin Production Line market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global High-speed Fin Production Line market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for High-speed Fin Production Line

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global High-speed Fin Production Line market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Burr OAK Tool (USA), SMAC Intelligent Technology (China), Hidaka Engineering (Japan), JDM Jingda Machine (China), Ningbo Jingsheng Automation Equipment (China), Ningbo Xin Chang Machinery (China), NTJF Intelligent Equipment (China), OMS Machinery (China), Satis Machinery (China), SINOAK Machinery (China), etc.

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

Market Segmentation

High-speed Fin Production Line market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

C-Type Fin Press Line

H-Type Fin Press Line

Others

Market segment by Speed

200SPM?Speed

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