

Global H-type Fin Press 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 H-type Fin Press Line market size was valued at US\$ 566 million in 2025 and is forecast to a readjusted size of US\$ 844 million by 2032 with a CAGR of 5.9% during review period.

H-type Fin Press Line is an automated production line for high-speed manufacturing of heat exchanger fins, with 'H-type' referring to the H-frame press structure. It uses progressive dies to complete coil unwinding, feeding, punching, forming, cutting, and stacking of metal strip materials, and its advantages lie in higher frame rigidity, better stamping stability, stronger dimensional consistency, lower labor dependence, and suitability for continuous mass production. In 2025, production was 10,000 units and the average price was USD 55,000 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 H-frame press structure design, progressive die matching, automatic unwinding and feeding control, punching and forming process integration, servo motion coordination, cutting and stacking mechanism assembly, line synchronization, precision calibration, safety protection, reliability testing, and final line commissioning, which together determine press rigidity, forming accuracy, operating speed, line stability, mold adaptability, automation level, and cost competitiveness. Downstream, H-type Fin Press 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.

H-type Fin Press Line demand will be shaped by manufacturers that need dedicated fin geometry control rather than generic high-speed output. In air-conditioning and refrigeration equipment, H-type fin structures require stable pitch, accurate punching, and consistent stacking to maintain heat exchange performance across large batches. In automotive heat exchangers, model diversity and tighter assembly tolerances make die precision, feeding stability, and quick specification changeover more important. Equipment buyers will increasingly evaluate the line by how well it reduces scrap, shortens mold adjustment time, and keeps forming quality stable under continuous operation. Competition will focus on dedicated die adaptability, press accuracy, line synchronization, maintenance efficiency, and automated inspection integration.

This report is a detailed and comprehensive analysis for global H-type Fin Press 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 H-type Fin Press Line market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global H-type Fin Press 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 H-type Fin Press 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 H-type Fin Press 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 H-type Fin Press 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 H-type Fin Press 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

H-type Fin Press 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

Capacity?500KN

500KN?Capacity?1000KN

Others

Market segment by Speed

Speed

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