

Global Rotary Double Position Expander 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 Rotary Double Position Expander market size was valued at US\$ 92.61 million in 2025 and is forecast to a readjusted size of US\$ 138 million by 2032 with a CAGR of 5.9% during review period.

Rotary Double Position Expander is a specialized tube expansion machine designed for heat exchanger production, using a rotary dual-station structure to separate loading and expansion processes, improve operating rhythm, and increase equipment utilization. Compared with single-station expansion equipment, its advantage lies in higher production continuity, shorter idle time, better process balance, stronger automation compatibility, and better suitability for batch manufacturing of air-conditioning and refrigerator heat exchangers. In 2025, production was 2,000 units and the average price was USD 45,000 per unit. The industry's capacity utilization rate in 2025 was about 65%, and the average gross margin was around 28%. Upstream, the key inputs include alloy steel, hydraulic pumps, servo motors, with representative suppliers such as Baowu Steel Group, Bosch Rexroth, and Yaskawa Electric providing steel materials, hydraulic systems, and motion-control components. The midstream segment focuses on rotary station structure design, frame machining, expansion head development, hydraulic and servo control integration, roller mechanism assembly, workpiece positioning, dual-station rhythm coordination, expansion force control, precision calibration, automation program development, safety protection, reliability testing, and final equipment commissioning, which together determine production efficiency, expansion accuracy, station switching stability, equipment durability, and cost competitiveness. Downstream, Rotary Double Position Expander is mainly used in air-conditioning heat exchangers and refrigerator heat exchangers, where it supports high-efficiency tube-fin assembly and heat exchanger production for household appliances and refrigeration equipment,

with representative customers including Midea Group, Gree Electric Appliances, and Haier Smart Home.

Rotary Double Position Expander demand will be influenced by heat exchanger manufacturers' shift from single-machine capacity to line-level efficiency. In air-conditioning heat exchanger production, dual-station rotation helps reduce waiting time between loading, positioning, and expansion, which is valuable when factories pursue faster takt time and lower labor dependence. For refrigerator heat exchangers, the key requirement is stable expansion quality across smaller and more standardized components. As appliance manufacturers upgrade automated tube-fin lines, equipment buyers will pay more attention to station switching accuracy, fixture adaptability, servo-hydraulic coordination, fault recovery speed, and integration with upstream and downstream handling systems.

This report is a detailed and comprehensive analysis for global Rotary Double Position Expander 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 Rotary Double Position Expander market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Rotary Double Position Expander market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Rotary Double Position Expander 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 Rotary Double Position Expander 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 Rotary Double Position Expander

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 Rotary Double Position Expander 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), JDM Jingda Machine (China), Ningbo Xin Chang Machinery (China), NTJF Intelligent Equipment (China), OMS Machinery (China), Satis Machinery (China), SINOAK Machinery (China), Tridan International (USA), Sugino Machine (Japan), etc.

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

Market Segmentation

Rotary Double Position Expander 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

Mechanical Tube Expanding Machine

Hydraulic Tube Expanding Machine

Market segment by Machine Structure

Vertical Forced Tube Expanding Machine

Horizontal Forced Tube Expanding Machine

Market segment by Speed

Speed

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