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Global Human Circulatory System Model Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Human Circulatory System Model market size is expected to reach $ 255 million by 2032, rising at a market growth of 7.5% CAGR during the forecast period (2026-2032).

In 2025, global Human Circulatory System Model production reached approximately 402,000 Units.The average price is approximately $380.A Human Circulatory System Model is a three-dimensional educational and training model designed to visually and structurally represent the human cardiovascular system, including the heart, arteries, veins, capillaries, and pulmonary circulation. It is used to demonstrate how blood circulates through the body, how oxygen and nutrients are delivered to tissues, and how waste products are removed.

Gross Profit Margin Levels

Human circulatory system models generally exhibit characteristics of "high gross profit margin and strong distribution channels." Products are mostly injection-molded/resin-based, with manual painting and assembly. Material costs account for a relatively limited proportion, while mold amortization, R&D (anatomical accuracy/educational design), brand premium, channel distribution, and after-sales service constitute the main sources of value. Common industry gross profit margins can be divided into three tiers: First, standard teaching models (embossed panels/basic heart models) are mainly produced on a large scale, with gross profit margins typically between 30% and 45%. Second, detachable/pathological kits/university procurement kits, due to SKU combinations and added value from educational content, typically have gross profit margins between 40% and 55%. Third, digitally integrated (AR content/course packages) or customized (small-batch 3D printing, hospital research/instrument

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demonstrations) have higher unit delivery value, resulting in gross profit margins of 50% to 65%. It is important to note that if OEM supply is the primary method or volume is achieved through low-priced e-commerce channels, gross profit margins will be significantly compressed; conversely, if products are included in university procurement catalogs and course/content services are provided, gross profit margins and repeat purchase stability are usually better.

Industry Drivers

The core of demand growth stems from the shift in medical education and clinical training from "understanding" to "repeatable practice and demonstrable competence." On one hand, the healthcare system emphasizes patient safety and reducing medical errors, driving increased investment in simulation training and standardized teaching. On the other hand, the widespread adoption of minimally invasive/interventional technologies has led to a continuous expansion of demand for training in cardiovascular anatomy and pathway understanding, as well as vascular access-related training. Simultaneously, VR/AR and interactive content are upgrading traditional models into "model + digital content" teaching solutions, improving classroom interaction and adaptability to remote learning (some products already incorporate AR as part of their learning tools).

This report studies the global Human Circulatory System Model production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Human Circulatory System Model 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 Human Circulatory System Model that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Human Circulatory System Model total production and demand, 2021-2032, (K Units)

Global Human Circulatory System Model total production value, 2021-2032, (USD Million)

Global Human Circulatory System Model production by region & country, production,

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value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Human Circulatory System Model consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Human Circulatory System Model domestic production, consumption, key domestic manufacturers and share

Global Human Circulatory System Model production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Human Circulatory System Model production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Human Circulatory System Model production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Human Circulatory System Model 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 3B Scientific, Erler-Zimmer, Denoyer-Geppert, SOMSO Modelle, Nasco Healthcare, GPI Anatomicals, Adam,Rouilly, Sakamoto Model, Kyoto Kagaku, Laerdal Medical, 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 Human Circulatory System Model market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K 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 Human Circulatory System Model Market, By Region:

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United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Human Circulatory System Model Market, Segmentation by Type:

Silicone Models

PVC Models

Resin Models

Others

Global Human Circulatory System Model Market, Segmentation by Display Functions:

Static Anatomical Display Model

Dynamic Cyclic Demonstration Model

Global Human Circulatory System Model Market, Segmentation by Display Scope:

Whole-Body Circulatory System Model

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Local Circulatory System Model

Global Human Circulatory System Model Market, Segmentation by Application:

Hospitals

Specialist Clinics

Medical Schools

Others

Companies Profiled:

3B Scientific

Erler-Zimmer

Denoyer-Geppert

SOMSO Modelle

Nasco Healthcare

GPI Anatomicals

Adam,Rouilly

Sakamoto Model

Kyoto Kagaku

Laerdal Medical

Simulaids

Simulab

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Gaumard Scientific

Limbs & Things

Key Questions Answered:
1. How big is the global Human Circulatory System Model market?
2. What is the demand of the global Human Circulatory System Model market?
3. What is the year over year growth of the global Human Circulatory System Model market?
4. What is the production and production value of the global Human Circulatory System Model market?
5. Who are the key producers in the global Human Circulatory System Model market?
6. What are the growth factors driving the market demand?

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Figure 69. Research Process and Data Source

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