

I-Joist Market Report by Sector (Residential, Commercial), New Construction and Replacement (New Construction, Replacement), Application (Floors, Roofs, and Other applications), and Region 2024-2032

<https://marketpublishers.com/r/I13368F3BACAEN.html>

Date: March 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: I13368F3BACAEN

Abstracts

The global I-joist market size reached US\$ 2.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.5 Billion by 2032, exhibiting a growth rate (CAGR) of 6.9% during 2024-2032. The increasing construction of residential and commercial buildings, rising implementation of stringent environmental regulations and standards in the construction industry, and continuous improvements in logistics and supply chain management are some of the major factors propelling the market.

An I-joist, also known as an engineered wood I-beam, is a structural component used in construction for providing support to floors, roofs, and walls. It consists of a top and bottom flange that are usually made of dimensional lumber and connected by a vertical web. It enhances the load-bearing capacity and reduces the overall weight of the joist. It is treated with fire-resistant coatings to enhance its fire performance and maintain structural integrity during emergencies. It offers exceptional strength and stability, which ensures reliable structural performance in various applications.

The growing commercial real estate market is creating more opportunities for the use of I-joists in office buildings, retail spaces, and other commercial structures. Additionally, the rise of modular and prefab construction methods is positively influencing the market. Apart from this, the relative ease and speed of installing I-joists over traditional lumber are promoting the adoption of I-joists across the globe. Furthermore, continuous improvements in logistics and supply chain management are making I-joists more accessible and affordable. Moreover, advancements in wood processing are making the raw materials for I-joists more readily available. Besides this, collaborations between I-

joist manufacturers and construction companies for bulk supply deals are favoring the market growth.

I-Joist Market Trends/Drivers:

Rise in infrastructure projects

The expanding global population and the increasing construction activities of residential and commercial buildings are catalyzing the demand for efficient and reliable structural solutions, like I-joists. Additionally, urban development is driving the need for taller and more space-efficient buildings, installed with I-joists ability to provide extended spans and open layouts. Apart from this, the rising construction of multi-story buildings is promoting the use of long-span structural components like I-joists to maintain stability and design flexibility across different levels. Furthermore, the ease of installation and integrated utility runs in I-joists accelerate construction processes and assist constructors in meeting the demand for quicker project completion in busy urban environments.

Construction speed and efficiency

The rapid installation process of I-joists, on account of their consistent dimensions and pre-engineered design, is significantly reducing construction timelines, which is driving its demand in the construction industry. Apart from this, the increasing use of I-joists in the commercial sector due to their built-in utility openings is allowing for seamless installation of electrical, plumbing, and HVAC systems during framing, streamlining subsequent construction phases, which is strengthening the growth of the market. Furthermore, the rising awareness among individuals about the benefits offered by I-joists in improving the life span of structures is positively influencing the market.

Environmental sustainability

The growing environmental consciousness among the masses represents one of the key factors driving the demand for environment friendly construction materials. I-joists are manufactured using engineered wood, which promotes sustainable forestry practices and reduces the demand for traditional timber resources. Apart from this, the rising pollution level and the increasing prevalence of various diseases are offering a favorable market outlook. The manufacturing process of I-joists generates fewer greenhouse gas emissions compared to alternatives like steel or concrete, aligning with eco-conscious construction practices. Furthermore, the increasing environmental regulations and standards in the construction industry are catalyzing the demand for

sustainable building materials like I-joists.

I-Joist Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global I-joist market report, along with forecasts at the global and regional levels from 2024-2032. Our report has categorized the market based on sector, new construction and replacement, and application.

Breakup by Sector:

Residential
Commercial

Residential dominates the market

The report has provided a detailed breakup and analysis of the market based on sector. This includes residential and commercial. According to the report, residential holds the largest market share due to the rising need for customized layouts and open floor plans in the residential sector. I-joists offer more design flexibility due to their lighter weight and greater span capabilities. Apart from this, I-joists are cost-effective solutions as compared to traditional lumber joists, which drives its demand in the residential sector. Furthermore, they are less likely to bow, twist, and shrink, which makes them a reliable option for homeowners looking for quality and longevity. Moreover, I-joists are often easier and quicker to install than traditional lumber, enabling faster construction timelines.

Breakup by New Construction and Replacement:

New Construction
Replacement

New construction accounts for the majority of the market share

A detailed breakup and analysis of the market based on the new construction and replacement has also been provided in the report. This includes new construction and replacement. According to the report, new construction represents the largest market segment due to the increasing global population and rapid urbanization, which leads to an increasing need for new housing and commercial buildings. Additionally, new constructions are subject to the latest building codes and regulations, which require the

use of strong and energy-efficient materials like I-joists. Apart from this, manufacturers of I-joists have well-established relationships with new construction firms, which helps streamline the supply chain and ensures timely and efficient delivery of materials. Furthermore, the incorporation of smart home technologies and advanced mechanical systems in new construction projects necessitates I-joists as they offer structural integrity and design flexibility to easily accommodate these technologies.

Breakup by Application:

Floors

Roofs

Other applications

Floors hold the largest share in the market

A detailed breakup and analysis of the market based on the application has also been provided in the report. This includes floors, roofs, and other applications. According to the report, floors accounted for the largest market share as flooring involves large surface areas, and any inefficiency in material use leads to increased costs. I-joists are designed for optimal material utilization, which aids in reducing wastage and making them more cost-effective for flooring projects. Apart from this, flooring needs materials with optimal structural integrity and robust support like I-joists. Furthermore, the configuration of I-joists allows easier and more effective installation of insulation materials to reduce heat loss and enhance the overall energy efficiency of the building. Moreover, I-joists offer the ability to span long distances without requiring intermediate support columns. This design flexibility is advantageous in modern flooring applications, which feature open floor plans and large, uninterrupted spaces.

Breakup by Region:

Asia Pacific

North America

Europe

Middle East and Africa

Latin America

North America exhibits a clear dominance, accounting for the largest I-joist market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include Asia Pacific, North America, Europe, Middle East and Africa, and Latin America. According to the report, North America accounted for the largest market share due to the presence of well-established supply chains and distribution networks in North America, which makes it easier for I-joist manufacturers to deliver their products efficiently. Additionally, the region is a hub for construction innovation and research and development (R&D) activities to promote the adoption of engineered products like I-joists. Furthermore, the preference for open floor plans and custom-designed homes in North America aligns well with the design flexibility offered by I-joists. Furthermore, North America, particularly the United States, has a robust and continually growing construction industry. The sustained demand for new residential and commercial projects drives the need for construction materials like I-joists.

Competitive Landscape:

Companies are continually investing in research and development (R&D) activities to enhance the design, strength, and efficiency of I-joists. This includes developing new materials, improving manufacturing processes, and incorporating advanced technologies to meet evolving construction needs. Additionally, many companies are emphasizing sustainability by using responsibly sourced materials and eco-friendly manufacturing practices. Apart from this, manufacturers are offering a wide range of sizes, shapes, and load-bearing capacities to cater to diverse project requirements. Furthermore, they are investing in educational resources and training programs to educate builders, contractors, and other stakeholders about the benefits, installation, and proper use of I-joists in construction projects.

The report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Boise Cascade Company
Louisiana-Pacific Corporation
Nordic Structures
Roseburg Forest Products Co.
Stark Truss Company, Inc.
STEICO SE
Weyerhaeuser Company

Recent Developments:

In November 2021, Boise Cascade Company announced the expansion of its Ohio

Valley Building Materials Distribution (BMD) network to expand their product offering. In June 2022, Louisiana-Pacific Corporation announced an agreement with Pacific Woodtech to acquire LP's Engineered Wood Products (EWP) business for \$210 Million.

Key Questions Answered in This Report

1. What was the size of the global I-joist market in 2023?
2. What is the expected growth rate of the global I-joist market during 2024-2032?
3. What are the key factors driving the global I-joist market?
4. What has been the impact of COVID-19 on the global I-joist market?
5. What is the breakup of the global I-joist market based on the sector?
6. What is the breakup of the global I-joist market based on the new construction and replacement?
7. What is the breakup of the global I-joist market based on the application?
8. What are the key regions in the global I-joist market?
9. Who are the key players/companies in the global I-joist market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ENGINEERED WOOD MARKET

- 5.1 Market Overview
- 5.2 Market Performance
 - 5.2.1 Volume Trends
 - 5.2.2 Value Trends
- 5.3 Price Analysis
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by Application
- 5.6 Market Breakup by Region
- 5.7 Market Forecast

6 GLOBAL I-JOIST MARKET

- 6.1 Market Overview
- 6.2 Market Performance

- 6.2.1 Volume Trends
- 6.2.2 Value Trends
- 6.3 Impact of COVID-19
- 6.4 Price Analysis
 - 6.4.1 Key Price Indicators
 - 6.4.2 Price Structure
 - 6.4.3 Price Trends
- 6.5 Market Breakup by Region
- 6.6 Market Breakup by Sector
- 6.7 Market Breakup by New Construction and Replacement
- 6.8 Market Breakup by Application
- 6.9 Market Forecast
- 6.10 SWOT Analysis
 - 6.10.1 Overview
 - 6.10.2 Strengths
 - 6.10.3 Weaknesses
 - 6.10.4 Opportunities
 - 6.10.5 Threats
- 6.11 Value Chain Analysis
 - 6.11.1 Overview
 - 6.11.2 Forest Owners
 - 6.11.3 Sawmills
 - 6.11.4 I-Joist Manufacturers
 - 6.11.5 Distributors and Retailers
 - 6.11.6 Exporters
 - 6.11.7 End-Use Industries
- 6.12 Porter's Five Forces Analysis
 - 6.12.1 Overview
 - 6.12.2 Bargaining Power of Buyers
 - 6.12.3 Bargaining Power of Suppliers
 - 6.12.4 Degree of Competition
 - 6.12.5 Threat of New Entrants
 - 6.12.6 Threat of Substitutes
- 6.13 Key Success and Risk Factors

7 MARKET BREAKUP BY REGION

- 7.1 Asia Pacific
 - 7.1.1 Market Trends

- 7.1.2 Market Forecast
- 7.2 North America
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Europe
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Latin America
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Middle East and Africa
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY SECTOR

- 8.1 Residential
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Commercial
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY NEW CONSTRUCTION AND REPLACEMENT

- 9.1 New Construction
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Replacement
 - 9.2.2 Market Trends
 - 9.2.2 Market Forecast

10 MARKET BREAKUP BY APPLICATION

- 10.1 Floors
 - 10.1.1 Market Trends
 - 10.1.2 Market Forecast
- 10.2 Roofs
 - 10.2.1 Market Trends

- 10.2.2 Market Forecast
- 10.3 Other Applications
 - 10.3.1 Market Trends
 - 10.3.2 Market Forecast

11 COMPETITIVE LANDSCAPE

- 11.1 Market Structure
- 11.2 Key Players
- 11.3 Key Player Profiles
 - 11.3.1 Boise Cascade Company
 - 11.3.2 Louisiana-Pacific Corporation
 - 11.3.3 Nordic Structures
 - 11.3.4 Roseburg Forest Products Co.
 - 11.3.5 Stark Truss Company, Inc.
 - 11.3.6 STEICO SE
 - 11.3.7 Weyerhaeuser Company

List Of Tables

LIST OF TABLES

Table 1: Global: Engineered Wood Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: I-Joist Market: Key Industry Highlights, 2023 and 2032

Table 3: Global: I-Joist Market Forecast: Breakup by Region (in Million Cubic Metres), 2024-2032

Table 4: Global: I-Joist Market Forecast: Breakup by Sector (in Million Cubic Metres), 2024-2032

Table 5: Global: I-Joist Market Forecast: Breakup by New Construction and Replacement (in Million Cubic Metres), 2024-2032

Table 6: Global: I-Joist Market Forecast: Breakup by Application (in Million Cubic Metres), 2024-2032

Table 7: Global: I-joist Market: Competitive Structure

Table 8: Global: I-Joist Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: I-Joist Market: Major Drivers and Challenges

Figure 2: Global: Engineered Wood Market: Volume Trends (in Million Cubic Metres), 2018-2023

Figure 3: Global: Engineered Wood Market: Value Trends (in Billion US\$), 2018-2023

Figure 4: Global: Engineered Wood Market: Average Prices (in US\$/Cubic Metre), 2018-2023

Figure 5: Global: Engineered Wood Market: Breakup by Product Type (in %), 2023

Figure 6: Global: Engineered Wood Market: Breakup by Application (in %), 2023

Figure 7: Global: Engineered Wood Market: Breakup by Region (in %), 2023

Figure 8: Global: Engineered Wood Market Forecast: Volume Trends (in Million Cubic Metres), 2024-2032

Figure 9: Global: Engineered Wood Market Forecast: Value Trends (in Billion US\$), 2024-2032

Figure 10: Global: I-Joist Market: Volume Trends (in Million Cubic Metres), 2018-2023

Figure 11: Global: I-Joist Market: Value Trends (in Billion US\$), 2018-2023

Figure 12: I-Joist Market: Price Structure

Figure 13: Global: I-Joist Market: Average Prices (in US\$/Cubic Metre), 2018-2023

Figure 14: Global: I-Joist Market Forecast: Average Prices (in US\$/Cubic Metre), 2024-2032

Figure 15: Global: I-Joist Market: Breakup by Region (in %), 2023

Figure 16: Global: I-Joist Market: Breakup by Sector (in %), 2023

Figure 17: Global: I-Joist Market: Breakup by New Construction and Replacement (in %), 2023

Figure 18: Global: I-Joist Market: Breakup by Application (in %), 2023

Figure 19: Global: I-Joist Market Forecast: Volume Trends (in Million Cubic Metres), 2024-2032

Figure 20: Global: I-Joist Market Forecast: Value Trends (in Billion US\$), 2024-2032

Figure 21: Global: I-Joist Industry: SWOT Analysis

Figure 22: Global: I-Joist Industry: Value Chain Analysis

Figure 23: Global: I-Joist Industry: Porters Five Forces Analysis

Figure 24: Asia-Pacific: I-Joist Market (in Million Cubic Metres), 2018 & 2023

Figure 25: Asia-Pacific: I-Joist Market Forecast (in Million Cubic Metres), 2024-2032

Figure 26: North America: I-Joist Market (in Million Cubic Metres), 2018 & 2023

Figure 27: North America: I-Joist Market Forecast (in Million Cubic Metres), 2024-2032

Figure 28: Europe: I-Joist Market (in Million Cubic Metres), 2018 & 2023

Figure 29: Europe: I-Joist Market Forecast (in Million Cubic Metres), 2024-2032

Figure 30: Latin America: I-Joist Market (in Million Cubic Metres), 2018 & 2023

Figure 31: Latin America: I-Joist Market Forecast (in Million Cubic Metres), 2024-2032

Figure 32: Middle East and Africa: I-Joist Market (in Million Cubic Metres), 2018 & 2023

Figure 33: Middle East and Africa: I-Joist Market Forecast (in Million Cubic Metres), 2024-2032

Figure 34: Global: I-Joist (Residential) Market: Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 35: Global: I-Joist (Residential) Market Forecast: Volume Trends (in Million Cubic Metres), 2024-2032

Figure 36: Global: I-Joist (Commercial) Market: Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 37: Global: I-Joist (Commercial) Market Forecast: Volume Trends (in Million Cubic Metres), 2024-2032

Figure 38: Global: I-Joist (New Construction) Market: Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 39: Global: I-Joist (New Construction) Market Forecast: Volume Trends (in Million Cubic Metres), 2024-2032

Figure 40: Global: I-Joist (Replacement) Market: Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 41: Global: I-Joist (Replacement) Market Forecast: Volume Trends (in Million Cubic Metres), 2024-2032

Figure 42: Global: I-Joist Market (Application in Floors): Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 43: Global: I-Joist Market Forecast (Application in Floors): Volume Trends (in Million Cubic Metres), 2024-2032

Figure 44: Global: I-Joist Market (Application in Roofs): Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 45: Global: I-Joist Market Forecast (Application in Roofs): Volume Trends (in Million Cubic Metres), 2024-2032

Figure 46: Global: I-Joist Market (Other Applications): Volume Trends (in Million Cubic Metres), 2018 & 2023

Figure 47: Global: I-Joist Market Forecast (Other Applications): Volume Trends (in Million Cubic Metres), 2024-2032

I would like to order

Product name: I-Joist Market Report by Sector (Residential, Commercial), New Construction and Replacement (New Construction, Replacement), Application (Floors, Roofs, and Other applications), and Region 2024-2032

Product link: <https://marketpublishers.com/r/l13368F3BACAEN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/l13368F3BACAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970