

# **Compact C-Arm Market By Technology (Fluoroscopy Systems, Flat Detector Systems) , By Application (Pain Management, Gastroenterology, Neurology, Orthopedic and Trauma, Others) By End User (Hospitals, Diagnostic Centers, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

### Compact C-Arm Market

The compact C-arm market was valued at \$409.8 million in 2023 and is projected to reach \$714.1 million by 2033, growing at a CAGR of 5.7% from 2024 to 2033.

Compact C-arm is a category of C-arms, which are medical imaging devices with a distinct C-shape that allows to capture the images of body parts from multiple angles. A compact C-arm is specifically designed for constrained spaces that enables the integration of monitor to the arm itself, eliminating the requirement for distinct monitor cart. The compact size of the device facilitates its easy transfer across a healthcare facility. A major advantage of using compact C-arms is that the exposure radiation is significantly lower as compared to full-size C-arms.

Rapid surge in the trend of miniaturization in medical equipment is a key driver of the compact C-arm market. Compact C-arms entail an absolute blend of portability of mini C-arms and efficiency of full-size C-arms, hence witness a high demand in medical facilities and diagnostic laboratories. In the future, robotic integration and deployment of AI algorithms are the key trends poised to gain prominence and transform the landscape of compact C-arm market. These technologies are projected to boost

precision in the diagnostic procedures and aid in quick decision-making for further treatment.

However, the high cost of procuring advanced compact C-arms deters several budget-sensitive healthcare facilities and diagnostic laboratories from investing in them, hence restraining the growth of the market. Furthermore, the advent of highly competent mini C-arms hampers the market development. On the contrary, constant innovations in compact C-arms are projected to present lucrative growth opportunities for the expansion of the market. For instance, the assimilation of mobility features in the device is acquiring traction among medical practitioners. Fujifilm, a Japanese multinational conglomerate, recently introduced “Persona CS mobile fluoroscopy system.” It is a mobile compact C-arm imaging device which offers instant and seamless positioning in operating rooms in hospitals.

### Segment Review

The compact C-arm market is segmented into technology, application, end user, and region. On the basis of technology, the market is bifurcated into fluoroscopy systems and flat detector systems. Depending on application, it is divided into pain management, gastroenterology, neurology, orthopedic & trauma, and others. As per end user, it is categorized into hospitals, diagnostic centers, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

### Key Findings

On the basis of technology, the flat detector systems segment accounted for a high market share in 2023.

Depending on application, the orthopedic & trauma segment was the highest shareholder in 2023.

As per end user, the hospitals segment acquired a high stake in the market in 2023.

Region wise, North America was the highest revenue generator in 2023.

### Competition Analysis

The key players operating in the global compact C-arm market include Allengers , FUJIFILM Corporation, Ziehm Imaging GmbH, Siemens, GE HealthCare, ALMAX

IMAGING srl, Koninklijke Philips N.V., Nanjing Perlove Medical Equipment Co., Ltd., Shimadzu Corporation, and Xindray Medical International Co., Ltd. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

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## Key Market Segments

### By Technology

Fluoroscopy Systems

Flat Detector Systems

### By Application

Pain Management

Gastroenterology

Neurology

Orthopedic and Trauma

Others

### By End User

Hospitals

Diagnostic Centers

Others

## By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

Allengers

FUJIFILM Corporation

Ziehm Imaging GmbH

Siemens

GE HealthCare

ALMAX IMAGING srl

Koninklijke Philips N.V.

Nanjing Perlove Medical Equipment Co., Ltd.

Shimadzu Corporation

Xindray Medical International Co., Ltd.

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