

Global Micro Robots Market Size study, By Type (Semi-Autonomous, Autonomous, Tele-Operated), By Application (Military, Medical & Healthcare, Automotive), and Regional Forecasts 2022-2028

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Abstracts

Global Micro Robots Market is valued approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Micro Robots also known as miniature robots refers to mobile robots and comprised of dimensions less than 1 mm. Micro robots are utilized as alternative to traditional medical procedures and widely used in healthcare industry for various tasks such as targeted drug delivery, cell manipulation, microassembly, and biosensing among others. Miniature robots are also utilized in Military operations such as reconnaissance, surveillance, for neutralizing explosive devices, etc. The rising prevalence of chronic diseases and surging adoption of minimally invasive surgical procedures as well as recent regulatory approvals are factors that are accelerating the global market demand. For instance, as per World Cancer Research Fund International – as of 2020, around 18.1 million cancer cases were reported globally. Out Of these, 9.3 million cases were reported in men and 8.8 million were reported in women.

Furthermore, according to National Institutes of Health, USA- the total number of new cancer cases would reach to 26 million by 2030. Moreover, in June 2021, Austria based Interventional Systems received FDA clearance for its new miniature medical robot named Micromate to operate in USA. Also, growing geriatric population and rising advancements in micro-robotics are anticipated to act as a catalyzing factor for the market demand during the forecast period. However, dearth of skilled professionals and high costs associated with micro robots impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Micro Robots Market study include Asia

Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing military expenditure and rising automation in the region. Whereas, Asia Pacific is anticipated to exhibit a significant growth rate over the forecast period 2022-2028. Factors such as growing healthcare industry and rising automotive sector in the region, would create lucrative growth prospects for the Micro Robots Market across the Asia Pacific region.

Major market players included in this report are:

Titan Medical
Medtronic
Stryker
Zimmer Biomet
Auris Health
Mazor Robotics
Intuitive Surgical
Smith & Nephew
Medrobotics
Microbot Medical

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type

Semi-Autonomous

Autonomous

Tele-Operated

By Application

Military

Medical & Healthcare

Automotive

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Micro Robots Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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