



Case Study

Technology Research – Medical Polymers

The Healthcare and medical industry has advanced over the last few years due to the introduction of technologically advanced medical devices and processes. One such technologically advanced class of products is the medical polymer. This product has steadily witnessed a robust growth in the number of applications over the past few years.

Polymers have gained respectable popularity in the medical industry as an alternate to conventional materials in complex and sophisticated medical devices. These types of polymers are extensively used in eye-lenses, catheters, stents, and joint replacements.

The ability of polymers to act as an effective substitute for glass and metals in medical applications and offer lightweight and portable consumer solutions has spurred the investment climate in this domain. In addition, the potential to explore multiple customizable functionalities with engineered polymers (EPs) has also opened up new revenue streams for the medical polymer industry at large. There was a need to summarize the developments in the market for a consulting firm to understand the market in a specific engagement.

Solution

DART proved to be a right choice for the client as DART proceeded with its well-groomed research team to give shape to the project. DART provided a report that introduced the reader to the key technical aspects of medical polymers. It also highlighted the choice of materials that have a significant impact on the consumer markets. The analysis covers key technical trends that are likely to be adopted by the industry by providing precise and

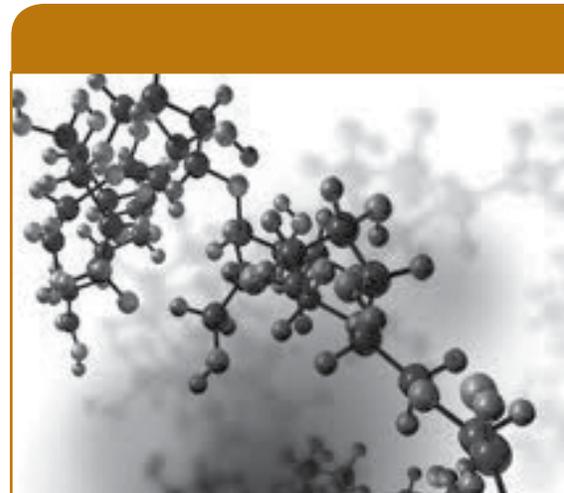
relevant R&D efforts taking place in this domain.

Being strictly governed by guidelines framed by global regulatory bodies such as Food and Drug Administration (FDA) and European Commission (EC), the medical polymer industry strictly follows predetermined protocols. In order to provide a holistic overview of the industry, DART provided a detailed analysis of the regulatory regime adopted in various geographic regions, such as US, European Union, China, Japan and India.

The report also discusses the commercial feasibility of certain types of medical polymers in terms of their performance and cost structure as compared to already existing materials used in the medical industry. DART concluded that the global market is set to rise provided regulatory efforts are made favorable to create a pockets of innovative hubs where patents are protected in a fairly competitive market.

DART utilized its knowledge of market intelligence along with a combination of relevant data points acquired through primary and secondary research sources to develop a comprehensive revenue forecasting methodology. Thus the entire market was segregated in terms of not only geography but also by type of polymer materials.

A technology report ideally contains only relevant information for the target readers. The ability to wade through heaps of data sources and apply market intelligence for synthesizing and presenting relevant report is always considered the key to successful consulting work. DART ensured the accomplishment of these tasks with professional integrity.



DART's Technology Research Services

DART has acquired reasonable experience in providing analysis of technologically advanced products that are soon to be launched in the market. DART is adept at not only analyzing the relevant product market and commercial feasibility of the product but also at structuring revenue forecasting models. A logical combination of the above analysis usually leads to the creation of a technology report that is meant to cater to industry players – both the existing ones and the ones willing to enter the industry.