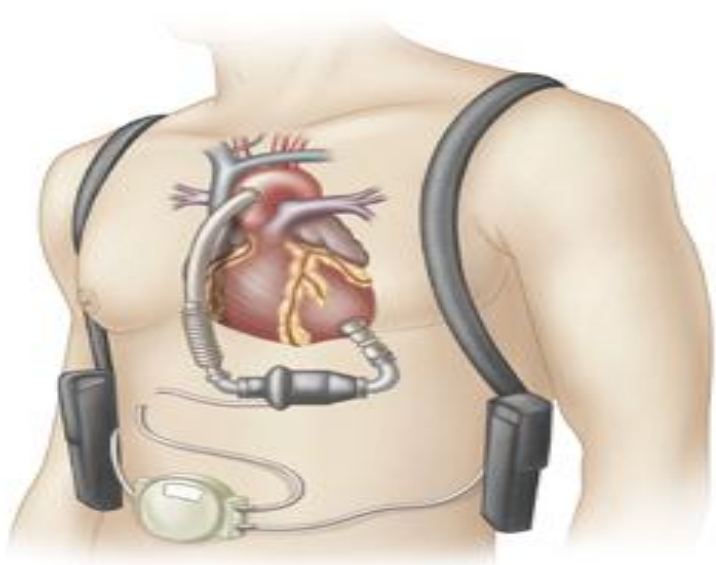


# Global Mechanical Circulatory Support (MCS) Market with Focus on the Ventricular Assist Device (VAD) (2016-2020)

August 2016



# Global MCS Market Report

## Scope of the Report

The report entitled "Global Mechanical Circulatory Support (MCS) Market with Focus on the Ventricular Assist Device (VAD) (2016-2020)", provides analysis of the global MCS market, with detailed analysis of market size and growth, penetration, market share and economic impact of the industry. The analysis includes the market by value, by volume, by segments, etc. The report also includes the analysis of the United States MCS market by value, by volume, etc.

Furthermore, the report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global MCS market has also been forecasted for the years 2016-2020, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

Thoratec (St. Jude Medical), HeartWare International and ReliantHeart are some of the key players operating in the global MCS market, whose company profiling has been done in the report. In this segment of the report, business overview, financial overview and business strategies of the companies are provided.

## Country Coverage

United States

## Company Coverage

Thoratec (St. Jude Medical)

HeartWare International

ReliantHeart

# Global MCS Market Report

## Executive Summary

Heart failure occurs when the heart muscle is unable to pump enough blood to meet the body's needs for blood and oxygen. It is a chronic and progressive condition in which the heart cannot keep up with its workload.

Treatment alternatives available for the heart failure are: Medical Management, Coronary Angioplasty, Coronary Artery Bypass Graft Surgery, Heart Restraint Devices, LV Reduction Surgery, Total Artificial Heart, Heart Transplant, Intra-aortic Balloon Pumps and Mechanical Circulatory Support.

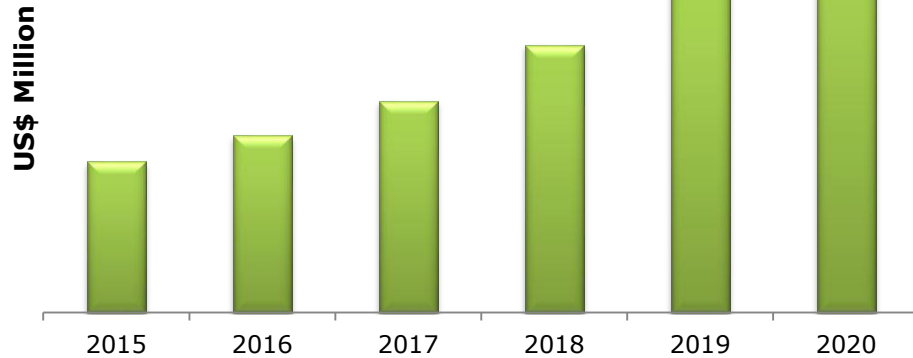
A mechanical circulatory support (MCS) device is designed to take over the pumping function (a part or full) of the heart by mechanically pumping blood into the aorta. In this process, blood is allowed to flow from the left ventricle to the pump chamber via the cannula, which is powered by an electric source outside the body.

MCS therapy can be segmented into Chronic MCS and Acute MCS. A ventricular assist device, or VAD, is a mechanical pump used to support heart function and blood flow in people with weak or failing hearts. The VAD treatment for chronic MCS can be divided into Bridge-to-Transplantation (BTT) and Destination Therapy (DT) and in acute MCS, the same can be divided into Post-Cardiotomy Myocardial Recovery Following Cardiac Surgery and Cardiac Surgery Support.

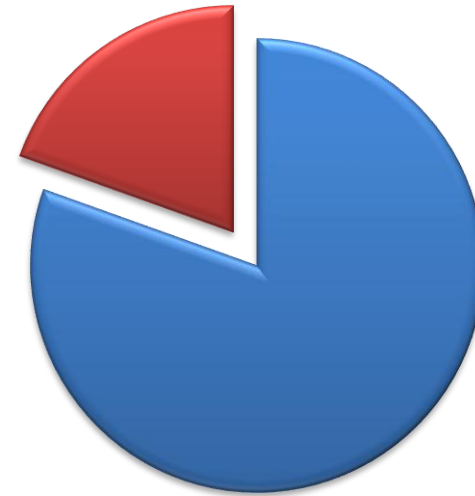
The global mechanical circulatory support (MCS) market is expected to increase at significant growth rates during the forecasted period (2016-2020). The global MCS market is supported by various growth drivers, such as, long waiting list for heart transplant treatment, launches of new products, better results of MCS relative to other treatment options etc. Yet, the market faces certain challenges, such as, low awareness, side effects of LVAD, etc.

# Global MCS Market Overview

Global MCS Market by Value; 2015-2020  
(US\$ Million)



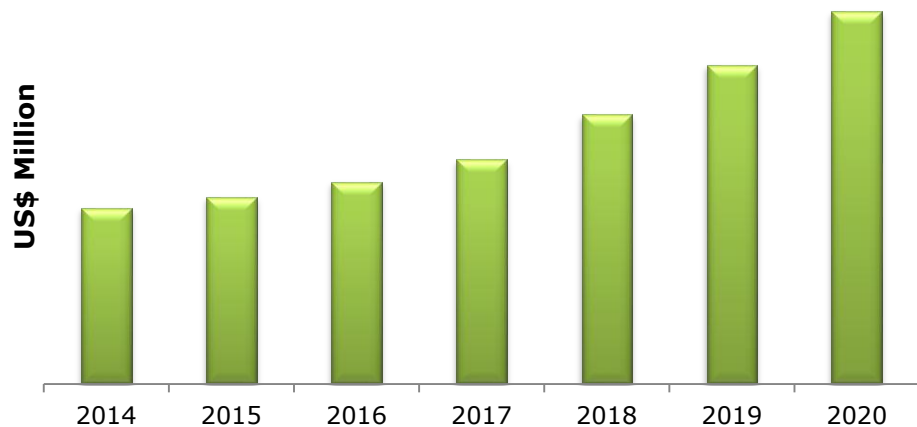
Global MCS Market by Segments; 2015



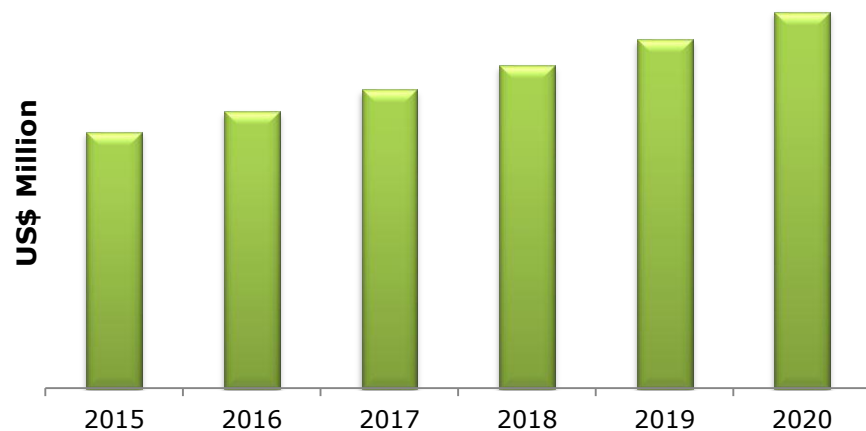
The global mechanical circulatory support market was valued at US\$..... million in 2015. The market is expected to reach US\$.... million in 2020, as compared to US\$.... million in 2016, increasing at a CAGR of ...% over the years 2016-2020. The market is expected to increase due to ..... The global mechanical circulatory support market can be segmented into global chronic mechanical circulatory support market and acute mechanical circulatory support market.....

# Global MCS Market Segments Overview

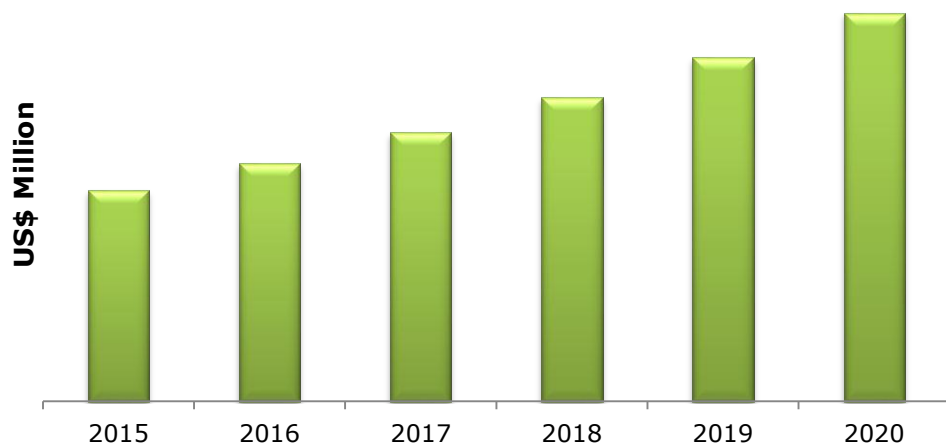
## Global Chronic MCS Market by Value ; 2014-2020 (US\$ Million)



## US Chronic MCS Market by Value ; 2015-2020 (US\$ Million)



## Global Acute MCS Market by Value ; 2015-2020 (US\$ Million)



The chronic mechanical circulatory support market, which holds the ..... share in the global mechanical circulatory support market, was valued at US\$... million in 2015, up by ...% as..... The acute mechanical circulatory support market was valued at US\$... million in 2015. The acute MCS market is projected to reach US\$.... million by 2020 as compared to US\$.... million in 2016, representing a CAGR of ...% over the years 2016-2020.

# Global MCS Market: Competition Overview

**Table: Global MCS Market by Device Comparison**

Device	Company	Size (mm)	Weight (g)	Speed (RPM)	Flow Rates (l/min)
<b>Axial Flow</b>					
<b>HeartMate II</b>	XX	XX	XX	XX	XX
<b>Heart Assist 5</b>	XX	XX	XX	XX	XX
<b>Jarvik 2000</b>	XX	XX	XX	XX	XX
<b>Flow Maker</b>					
<b>INCOR</b>	XX	XX	XX	XX	XX
<b>Centrifugal Flow</b>					
<b>HVAD</b>	XX	XX	XX	XX	XX
<b>DuraHeart</b>	XX	XX	XX	XX	XX
<b>HeartMate III</b>	XX	XX	XX	XX	XX
<b>Mixed Flow</b>					
<b>Synergy</b>	XX	XX	XX	XX	XX
<b>MVAD</b>	XX	XX	XX	XX	XX
<i>Source: .....</i>					