

China Medical Robot Industry Report, 2020-2026

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STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

Medical robot is the most promising segment of service robot market. By one estimate, globally 7,200 units of medical robots were sold and valued at \$2.58 billion in 2019, compared with 5,100 units (up by 50% YoY) in 2018.

Medical robot grows fastest in the US. As of March 31, 2020, Intuitive Surgical has installed 5,669 units of Da Vinci surgical system in all worldwide, including 3,581 units in the US, or 63.2% of the total.

China's intelligent medical robot industry started later than its foreign peers. In current stage, the whole industry is in a transitional phase from research and development and clinical trials to commercialization and mass production. In 2019, China's medical robot market was worth \$620 million.

Rehabilitation robot has been the largest segment in China's medical robot market thanks to a combination of positive factors such as broad application and favorable policies, sweeping 42.9% of the market in 2019. Surgical robot makes slow progress in promotion and holds a small share due to high application cost, albeit an upsurge at the early stage.

Of the nearly 100 medical robot companies in China, most are still in infancy. The rosy prospect of medical robot fuels investment enthusiasm. From the financing cases in recent years, it can be seen that companies with clear timetable of product launch or certified by the CFDA, are favored by capital. Players such as Remebot, HOZ Medical, Scream Intelligent Technology, Taimi Robotics Technology, Borns Medical Robotics, Ankon Technologies and Tinavi Medical Technologies even raised more than RMB100 million in their funding rounds.

Financing of Main Medical Robot Companies in China, 2013-2020

Company	Time	Round	Raised Funds	Investor (s)
Remebot	Apr. 2016	A	RMB10 million	Beijing Zhenge Tiancheng Investment Management Co., Ltd., Beijing Haina Baiquan Investment Fund Management Co., Ltd., Hangzhou Yarui Baichang Investment Partnership
	Sept. 2016	B	Tens of millions of yuan	Puhua Capital, Zhencheng Capital
	Oct. 2018	C	RMB130 million	Zhejiang Zhuji Lianchuang Yongjun Medical Device Fund
HOZ Medical	Jan. 2018	Seed	RMB50 million	Tasly Capital
	Feb. 2018	A	RMB30 million	Prosperico Ventures, Qianhai FOF, IDG Capital, Volcanics Venture
	Mar. 2019	A	Tens of millions of yuan	Tong Sheng Capital, HMC Ventures
	Apr. 2020	B	Nearly RMB100 million	SDIC Unity Capital, Lenovo Capital and Incubator Group
Fourier Intelligence	Dec. 2015	Angel	-	IDG Capital, Shanghai Zhangjiang Science & Technology Investment Corporation (ZJSTIC)
	2016	Pre-A	Tens of millions of yuan	Volcanics Venture
	Feb. 2018	A	RMB30 million	Prosperico Ventures, Qianhai FOF, IDG Capital, Volcanics Venture
RHB-Tech	May-18	Pre-A	RMB20 million	Xi'an High-tech Industry Venture Capital Co., Ltd., EdgeVentures, Reading Capital
Scream Intelligent Technology	Apr. 2017	Pre-A	RMB30 million	Bojiang Capital
	Jun. 2018	B	RMB200 million	Prosperico Ventures, GP Capital, CASH Capital, IDG Capital, Ecovacs
Taimi Robotics Technology	Sept. 2016	Angel	RMB10 million	CASH Capital, Cantor Jungle
	May-17	A	RMB40 million	IDG Capital, CASH Capital, ECOVACS, Cantor Jungle
	Jun. 2018	B	RMB200 million	GP Capital, Prosperico Ventures, CASH Capital, IDG Capital, Ecovacs
	Mar. 2019	B+	Undisclosed	Zhangjiang Torch Venture Capital, Zhangjiang Group, Cantor Jungle
Borns Medical Robotics	Apr. 2018	A	RMB100 million	Dyee Capital, Swiss China Corp.

Ankon Technologies	Feb. 2017	Strategic in	USD10 million	SoftBank Capital
	Aug. 2017	Strategic in	USD100 million	Da Zhong Investment Group, Softbank China Venture Capital, PreIPO, Samch Capital, Hosen Healthcare Investment, Tong Sheng Capital
Tinavi Medical Technologies	May-13	A	RMB25 million	Zhongguancun Development Group
	May-15	B	Tens of millions of yuan	Granite Global Ventures (GGV) Capital
	Jul. 2018	Private plac	RMB400 million	Advanced Manufacturing Industry Investment Fund, Beijing-Tianjin-Hebei Industrial Coordinated Development Investment Fund
Suzhou Zoezen Robot	Apr. 2019	Angel	Undisclosed	Harbin Boshi Automation, TigerYeah Capital
Sinovation (Beijing) Medical Technology	Nov. 2017	A	Tens of millions of yuan	Cowin Ventures, Beijing PINS Medical
	Jul. 2020	Strategic in	Tens of millions of yuan	Medtronic China Venture Fund
Yuanhua Intelligent Technology (Shenzhen)	Jul-20	Angel	Tens of millions of yuan	Shenzhen Capital Group (SCGC) and its health industry fund, Red Clay Ventures
Intelligent Haptronic Solutions (HIS)	2018	Seed	RMB5 million	Initial Science Value Investment (ISVI)
	Jul. 2020	Angel	Millions of yuan	Aplus Labs, Initial Science Value Investment (ISVI)
Beijing Rossumrobot Technology	Jul. 2020	Pre-A	RMB10 million	JC Capital, Tusstar, Zhiyou Ningbo Meishan Free Trade Port Zhiyou Jinmiao Investment Partnership (Limited Partnership)
Jointech	Apr. 2020	A	RMB10 million	Baidu Ventures (BV)

Source: ResearchInChina

In the Chinese medical robot market, the ever deeper university-industry-research cooperation stimulates the industry. Companies of industrial robots and medical devices branch out to the intelligent medical robot field progressively with many years of technical expertise, and has collaborations with domestic research institutes at multiple levels; research institutes otherwise market their research results by incubating companies.

Furthermore, COVID-19 pandemic props up demand for medical robots. During the time, hospitals as the battlefield used intelligent medical robots for guide, disinfection and sterilization.

In future, population aging and other factors will animate China's medical robot market which will be worth \$2.49 billion in 2026.

China Medical Robot Industry Report, 2020-2026 highlights the following:

- ◆ Development environment for China medical robot industry (global market, economic environment and policy climate);
- ◆ Development of China medical robot industry (status quo, market size, market structure, competitive landscape, market segments and development trends);
- ◆ Global and Chinese companies (operation and medical robot business).

1. Medical Robotics

- 1.1 Definition
 - 1.1.1 Robotics
 - 1.1.2 Medical Robot
- 1.2 Industry Chain

2. Operation Environment of Medical Robot in China

- 2.1 Global Market
 - 2.1.1 Status Quo
 - 2.1.2 Competition Pattern
- 2.2 Economic Environment
- 2.3 Policies

3. Medical Robot in China

- 3.1 Overview
- 3.2 Market Size
- 3.3 Market Structure
- 3.4 Competition Pattern
- 3.5 Market Segments
 - 3.5.1 Rehabilitation Medical Robot
 - 3.5.2 Surgical Robotics
 - 3.5.3 Orthopedic Surgery Robotics
 - 3.5.4 Pharmacy Robotics
- 3.6 Development Trends

- 3.6.1 Industry-University-Research Collaboration Brings Life to Development
- 3.6.2 The Demand for Medical Robot Soars amid COVID-19 Pandemic
- 3.6.3 VC Investments Facilitates the Medical Robot Industry
- 3.6.4 Medical Robot Finds Ever More Clinical Application
- 3.6.5 Novel Robotics Springs up like Single Port Access Surgery Robot, Nanostructure Target Robot, and Flexible Robot
- 3.6.6 Regulation on Products Gets Tightened

4. Major Medical Robot Companies Worldwide

- 4.1 Intuitive Surgical, Inc.
 - 4.1.1 Profile
 - 4.1.2 Operation
 - 4.1.3 Revenue Structure
 - 4.1.4 Gross Margin
 - 4.1.5 R&D Cost
 - 4.1.6 Development in China
- 4.2 Stryker Corporation
 - 4.2.1 Profile
 - 4.2.2 Operation
 - 4.2.3 Revenue Structure
 - 4.2.4 Gross Margin
 - 4.2.5 R&D Cost
 - 4.2.6 Medical Robot Business

4.3 Ekso Bionics Holdings, Inc.

4.3.1 Profile

4.3.2 Operation

4.3.3 Revenue Structure

4.3.4 Gross Margin

4.3.5 R&D Cost

4.4 ReWalk Robotics Ltd.

4.4.1 Profile

4.4.2 Operation

4.4.3 Revenue Structure

4.4.4 Gross Margin

4.4.5 R&D Cost

4.5 Rex Bionics Plc

4.6 Mazor Robotics Ltd.

4.6.1 Profile

4.6.2 Operation

4.6.3 Revenue Structure

4.6.4 Gross Margin

4.6.5 R&D Cost

4.7 Johnson & Johnson

4.7.1 Profile

4.7.2 Operation

4.7.3 Revenue Structure

4.7.4 Gross Margin

4.7.5 R&D Cost

4.7.6 Medical Robot Business

4.8 Avatera Medical

4.9 CMR Surgical

4.10 MedRobotics Corp

4.11 Medtronic

4.11.1 Profile

4.11.2 Operation

4.11.3 Medical Robot Business

4.12 Meerecompany

4.12.1 Profile

4.12.2 Operation

4.12.3 Medical Robot Business

4.13 Titan Medical

4.13.1 Profile

4.13.2 Operation

4.13.3 Medical Robot Business

4.14 TransEnterix

4.14.1 Profile

4.14.2 Operation

4.14.3 Medical Robot Business

5. Major Medical Robot Enterprises in China

5.1 Shenyang SIASUN Robot & Automation Co., Ltd.

- 5.1.1 Profile
- 5.1.2 Operation
- 5.1.3 Revenue Structure
- 5.1.4 Gross Margin
- 5.1.5 Medical Robot Business
- 5.1.6 Development Prospect & Forecast
- 5.2 Guangdong Jinming Machinery Co., Ltd.
 - 5.2.1 Profile
 - 5.2.2 Operation
 - 5.2.3 Medical Robot Business
- 5.3 Midea Group Co., Ltd.
 - 5.3.1 Profile
 - 5.3.2 Operation
 - 5.3.3 Medical Robot Business
- 5.4 Truking Technology Limited
 - 5.4.1 Profile
 - 5.4.2 Operation
 - 5.4.3 Medical Robot Business
- 5.5 Chongqing Dima Industry Co., Ltd.
 - 5.5.1 Profile
 - 5.5.2 Operation
 - 5.5.3 Medical Robot Business
- 5.6 Jinho Robot (Shanghai) Co., Ltd.
- 5.7 Shenzhen Mai Kangxin Medical Co., Ltd.
- 5.8 Henan Huibo Shenfang Intelligent Rehabilitation Equipment Co., Ltd.
- 5.9 TINAVI Medical Technologies Co., Ltd.
 - 5.9.1 Profile
 - 5.9.2 Operation
 - 5.9.3 Medical Robot Business
- 5.10 Harbin Boshi Automation Co., Ltd.
 - 5.10.1 Profile
 - 5.10.2 Operation
 - 5.10.3 Medical Robot Business
- 5.11 Remebot
- 5.12 Smart Robot Technology Group Co., Ltd.
- 5.13 Jinshan Science & Technology (Group) Co., Ltd.
 - 5.13.1 Profile
 - 5.13.2 Medical Robot Business
- 5.14 Taimi Robotics Technology Co., Ltd.
 - 5.14.1 Profile
 - 5.14.2 Medical Robot Business
- 5.15 ANKON Technologies Co., Ltd.
 - 5.15.1 Profile
 - 5.15.2 Operation
 - 5.15.3 Medical Robot Business
- 5.16 Shenzhen Weibond Technology Co., Ltd.
- 5.17 Shenzhen Sanggu Medical Robot Co., Ltd.
- 5.18 Wuxi Anzhizhuo Medical Robot Co., Ltd.



Classification of Medical Robot and Major Companies
Cost Structure of Robotics
Industrial Chain of Service Robotics
Core Modules and Technologies of Service Robotics
Enterprise Pattern of Global Service Robotics Industry
Global Service Robotics Market Size and Growth Rate, 2013-2020
Global Service Robotics Market Share (by Application), 2019
Global Medical Service Robotics Market Size and Growth Rate, 2019-2026E
Percentages for Cumulative Installations of Intuitive Surgical's Da Vinci Robot Worldwide (by Region) as of March 31, 2020
Leading Competitors in Global Medical Robot Industry
Acquisitions in Global Medical Robot Industry over the Recent Years
Per Capita Disposable Income of Chinese Residents, 2013-2019
China's Policies on Medical Robot
Development Status Quo of Medical Robot (by Type) in China
Number of Patents about China-made Medical Robot
China Service Robotics Market Size and YoY Change, 2013-2020
China Medical Robot Market Size and YoY Change, 2016-2026E
China Medical Robot Market Structure, 2019
Leading Manufacturers of Medical Service Robotics in China
Competition Pattern of Intelligent Medical Service Robots in China
Classification of Rehabilitation Robots
Major Chinese Manufacturers of Rehabilitation Robot
China's Population Aged over 60 and % of Total Population, 2009-2025
Number of Workers Aged 16-59 as a Percentage of Total Population in China, 2010-2019



Average Family Size in China, 2009-2019

Disabled Population' Proportion in China's Total by Type, 2018

Education of the Disabled in China as of End-2018

Employment of the Disabled in China as of End-2019

Policies for the Disabled in China, 2019

Surgical Robots that Passed FDA and CFDA Certifications in Early Stage

The Approved (by FDA) Types of Operation by Da Vinci Robot

Cumulated Installations of Da Vinci Robots Worldwide, 2012-2019

Yearly Installations of Da Vinci Robots, 2012-2019

Yearly Operations by Global Da Vinci Robots and YoY Change, 2012-2019

Price Comparison of Da Vinci Robots in China and the United States (\$10,000)

Top 5 Hospitals by Da Vinci Robot Installations in China as of End-2018

Top 10 Hospitals by Operations Per Robot in China, 2018

Top 10 Hospitals by Da Vinci Robot Thoracic Surgery in China, 2018

Main Surgical Robot Companies and Products in China

Statistics on Operations Assisted by Orthopedic Surgery Robot of TINAVI Medical Technologies as of End-2019

Statistics on Industry-University-Research Collaborations in Intelligent Medical Robot in China

Financings of Major Medical Robot Companies in China, 2013-2020

Revenue and Net Income of Intuitive Surgical, 2010-2020

Global Placement of da Vinci Surgical System (by Region) by the End of Mar.31, 2020

Number of Surgeries Operated by da Vinci Surgical System (by Type), 2014-2019

System Placements and Installed Base of da Vinci Surgical System of Intuitive by Region, 2017-2019


Development of Intuitive in Germany and Japan, 2008-2019

Commercialization of Da Vinci Surgical Systems

Revenue of Intuitive Surgical (by Product), 2012-2019



- Revenue of Intuitive Surgical (by Type), 2017-2019
- Revenue of Intuitive Surgical (by Region), 2017-2019
- Gross Margin of Intuitive Surgical, 2010-2019
- R&D Cost and % of Total Revenue of Intuitive Surgical, 2012-2019
- Revenue and Net Income of Stryker, 2015-2020
- Revenue of Stryker by Product, 2015-2020
- Orthopaedics Business's Revenue Breakdown of Stryker by Application, 2015-2020
- MedSurg Business's Revenue Breakdown of Stryker by Application, 2015-2020
- Neurotechnology and Spine Business's Revenue Breakdown of Stryker by Application, 2015-2020
- Gross Margin of Stryker, 2015-2020
- R&D Costs and % of Total Revenue of Stryker, 2015-2020
- Knee-joint and Hip-joint Systems of Makoplasty
- Revenue of Ekso Bionics, 2015-2020
- Net Income of Ekso Bionics, 2015-2020
- Revenue of Ekso Bionics by Product, 2016-2020
- Gross Margin of Ekso Bionics, 2015-2020
- R&D Costs and % of Total Revenue of Ekso Bionics, 2015-2020
- Revenue of Rewalk Robotics, 2015-2020
- Net Income of Rewalk Robotics, 2015-2020
- Revenue of Rewalk Robotics by Region, 2015-2020
- Gross Margin of Rewalk Robotics, 2015-2020
- R&D Costs and % of Total Revenue of Rewalk Robotics, 2015-2020
- Global Operations of Rex Bionics
- Revenue of Mazor, 2011-2018
- Net Income of Mazor, 2011-2018



- Revenue Structure of Mazor (by Business), 2010-2017
- Products of Mazor (by Regional Installations), 2010-2016
- Gross Margin of Mazor (by Business), 2011-2018
- R&D Costs and % of Total Revenue of Mazor, 2011-2018
- Revenue and Net Income of Johnson & Johnson, 2015-2020
- Revenue of Johnson & Johnson by Product, 2015-2020
- Medical Devices Business's Revenue of Johnson & Johnson by Application, 2015-2020
- Gross Margin of Johnson & Johnson, 2015-2020
- R&D Costs and % of Total Revenue of Johnson & Johnson, 2015-2020
- Laparoscopic Operation Robots of Avatera
- Versius Surgical Robotic System of CMR Surgical
- Flex Robotic System of Medrobotics
- Achievements of Medtronic, 2015-2019
- Revenue Breakdown of Medtronic (by Business), 2018-2019
- MAZOR X STEALTH EDITION
- Achievements of Meerecompany, 2017-2019
- Revo-I Vision cart
- Revo-I Operation cart
- Revo-I Surgeon console
- Achievements of Titan Medical, 2018-2019
- Achievements of TransEnterix, 2018-2019 (\$ in thousand)
- The Senhance Surgical System
- Operation of SIASUN's Major Subsidiaries, 2019
- Revenue and Net Income of SIASUN, 2015-2020
- Revenue of SIASUN by Product, 2015-2019



- Operating Revenue of SIASUN by Region, 2015-2019
- Gross Margin of SIASUN by Product, 2015-2019
- Revenue and Gross Profit of SIASUN's Industrial Robot Business, 2015-2019
- Revenue and Net Income of Jinming Machinery, 2015-2020
- Gross Margin of Jinming Machinery, 2015-2020
- Revenue of Jinming Machinery by Product, 2015-2019
- Research Direction of Jinming Machinery and Tsinghua University's Joint Research Center
- Revenue and Net Income of Midea Group, 2015-2020
- Gross Margin of Midea Group, 2015-2020
- Revenue of Midea Group by Product, 2016-2019
- Midea's Subsidiaries Involving Robotics Business
- Revenue and Net Income of Truking Technology, 2015-2020
- Gross Margin of Truking Technology, 2015-2020
- Revenue of Truking Technology by Product, 2015-2019
- Revenue and Net Income of Dima Industry, 2010-2020
- Gross Margin of Dima Industry, 2010-2020
- Revenue of Dima Industry by Product, 2010-2019
- Global Presence of Mai Kangxin
- Northwestern Network of Mai Kangxin
- Revenue and Net Income of Beijing TINAVI Medical Technology, 2013-2020
- Operating Revenue Structure of Beijing TINAVI Medical Technology (by Product), 2017-2019
- Operating Revenue Structure of Beijing TINAVI Medical Technology (by Region), 2017-2019
- Capacity, Output and Sales Volume of Orthopedic Surgery Navigation and Positioning Robot of Beijing TINAVI Medical Technology, 2017-2019
- Orthopedic Surgery Navigation and Positioning Robot Revenue (by Sales Model) of Beijing TINAVI Medical Technology, 2017-2019



- Averaging Selling Price of Orthopedic Surgery Navigation and Positioning Robot (by Model) of Beijing TINAVI Medical Technology, 2017-2019
- Revenue and Net Income of Boshi Automation, 2011-2020
- Gross Margin of Boshi Automation, 2011-2020
- Revenue of Boshi Automation by Product, 2011-2019
- Distribution of Remebot's Cooperative Hospitals
- Hospitals that Have Conducted 'Remebot'-assisted DBS Surgery in China
- Medical Robot Products of Jinshan Science & Technology
- Development History of Taimi Robotics Technology
- Medical Robots of Taimi Robotics Technology
- Development History of ANKON Technologies
- Revenue and Net Income of ANKON Technologies, 2016-2018
- Gross Margin of ANKON Technologies, 2016-2018
- Operating Revenue of ANKON Technologies by Product, 2016-2018
- Output, Sales and Capacity of ANKON Technologies, 2016-2018
- Unit Price and Sales Volume of Main Products of ANKON Technologies, 2016-2018
- Partners of ANKON Technologies
- Revenue Contribution and % of Total of ANKON Technologies' Top 5 Customers, 2016-2018
- Development History of Shenzhen Weibond Technology
- Intelligent Intravenous Admixture Service Robots of Shenzhen Weibond Technology
- Development History of Shenzhen Sanggu Technology
- Intravenous Admixture Service Robots of Shenzhen Sanggu Technology
- Development History of Wuxi Anzhizhuo Medical Robot
- Medical Robots of Wuxi Anzhizhuo Medical Robot

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