

# **Global Intelligent Soft Robotics Market: Focus on Type (Co-Robots, Inflated Robots, Soft Grippers, Wearables, and Others), End Users (Healthcare, Logistics, Defense, Food & Beverages, and Space), Component (Hardware and Software), Mobility (Stationary and Mobile), and Region – Analysis and Forecast, 2019-2024**

<https://marketpublishers.com/r/GF752ADB7D07EN.html>

Date: March 2020

Pages: 281

Price: US\$ 5,000.00 (Single User License)

ID: GF752ADB7D07EN

## **Abstracts**

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at [order@marketpublishers.com](mailto:order@marketpublishers.com) with your request.

### **Key Questions Answered in this Report:**

Why should an investor consider venturing into the intelligent soft robotics market, and what are the future growth opportunities?

For a new company looking to enter into the market, which areas could it focus upon to stay ahead of the competition?

How do the existing market players function to improve their market positioning?

How does the supply chain function in the intelligent soft robotics market?

Which companies have been actively involved in innovation through patent applications, and which products have witnessed maximum patent applications during the period 2016-2019?

Which product and technology segments are expected to witness the maximum demand growth in the intelligent soft robotics market during 2019-2024, and how is their growth pattern across different regions and countries?

Which are the key application areas in the intelligent soft robotics market?

Which regions and countries are leading in terms of having robotic setups, and which of them are expected to witness high demand growth during 2019-2024?

## Global Intelligent Soft Robotics Market Forecast, 2019-2024

The global intelligent soft robotics market analyzed by BIS Research is expected to showcase healthy growth. The intelligent soft robotics market is anticipated to grow at a robust CAGR of 37% on the basis of capacity during the forecast period from 2019 to 2024. The demand for intelligent soft robotic solutions has massively grown in the past years. High environmental concerns have resulted in the transformation of various industries and led to innovation of multiple technologies that enable the usage of renewable sources of energy. Intelligent soft robotics addresses the ongoing issue of handling delicate objects that able to present an extensive amount of opportunities to revolutionize the working principle of different end-user industry such as food & beverage, logistics, space, defense and healthcare.

The intelligent soft robotics market is currently in its upscaling phase. The concept of soft robotics has been gaining traction owing to the rising need for automation. However, even though the technology is theoretically much researched and studied, the practical operation is still upscaling and has not reached the stage of full-fledged commercialization. Most of the intelligent soft robotics are being operated on a pilot basis with the help of government funding and subsidies. Currently, the establishment of intelligent soft robotic manufacturing is expensive, but with the materialization of learning curves, the high capital cost is anticipated to decline.

### Expert Quote

“Rising demand for logistics in the e-commerce industry for the order fulfilment is one of the primary drivers for the adoption of robotics. E-commerce players such as Amazon Inc. (U.S.), and Walmart (U.S.) have substantial opportunities to adopt intelligent soft robotics in their warehouses. Moreover, the adoption of robots in the food industry has

been significantly growing over the years in every step of food processing for enhanced operational efficiency. Other industries such as defense and healthcare are among the early adopters of intelligent soft robots boosting the growth of the intelligent soft robotics market.”

### Scope of the Intelligent Soft Robotics Market

The Intelligent Soft Robotics Market provides detailed market information for segmentation such as type, end user, component, mobility, and region. The purpose of this market analysis is to examine intelligent soft robotics in terms of factors driving the market, trends, technological developments, and competitive benchmarking, among others.

The report further takes into consideration the market dynamics and the competitive landscape, along with the detailed financial and product contribution of the key players operating in the market. While highlighting the key driving and restraining forces for this market, the report also provides a detailed study of the industry that has been analyzed.

The intelligent soft robotics market is segregated by region under four major segments, namely North America, Asia-Pacific, Europe, and Rest-of-the-World.

### Key Companies in the Intelligent Soft Robotics Market

The key market players in the Intelligent Soft Robotics Market include Cyberdyne Inc. (Japan), Ekso Bionics Holdings Inc. (U.S.), Empire Robotics, Inc. (U.S.), F&P Personal Robotics (Switzerland), FANUC Corporation (Japan), Franka Emika GmbH (Germany), GLI Technology Limited (China) and Soft Robotics, Inc. (U.S.), among others.

## Contents

### EXECUTIVE SUMMARY

### 1 MARKET DYNAMICS

#### 1.1 Overview

#### 1.2 Market Drivers

1.2.1 Increasing Adoption of Soft Robotics in Search and Rescue Operations to Minimize the Response Time

1.2.2 Growing Automation Resulting in the Adoption of Intelligent Soft Robotics in Food & Beverage (F&B)

1.2.3 Soft Robotics in Inspection of Hazardous Environment

#### 1.3 Market Challenges

1.3.1 Designing Multimodal Sensors and Stretchable Conductive Structures and Materials

1.3.2 Lack of Stretchability in Electronics in Soft Robots

#### 1.4 Market Opportunities

1.4.1 Surgical Soft Robotics in Healthcare

1.4.2 Integration of Intelligent Soft Robotics in Rovers for Interplanetary Space Missions

1.4.3 Integration of Next-Generation Technologies in Robotic Systems

#### 1.5 Market Restraints

1.5.1 Increased Costs of Automation for Soft Robotics

#### 1.6 Market Dynamics: Impact Analysis

### 2 COMPETITIVE INSIGHTS

#### 2.1 Key Developments and Strategies

2.1.1 Overview

2.1.2 Share of Key Business Strategies

2.1.3 Product Launches

2.1.4 Partnerships, Joint Ventures, and Collaborations

2.1.5 Awards and Funding

2.1.6 Others

#### 2.2 Competitive Benchmarking

### 3 INDUSTRY ANALYSIS

- 3.1 Patent Analysis
- 3.2 Consortium and Associations
- 3.3 Supply Chain Analysis
- 3.4 Industry Attractiveness
  - 3.4.1 Potential of New Entrants into the Industry
  - 3.4.2 Competition in the Industry
  - 3.4.3 Power of Customers
  - 3.4.4 Power of Suppliers
  - 3.4.5 Threat of Substitute Products

## **4 CASE STUDY PENETRATING TO DIFFERENT INDUSTRY**

- 4.1 Case Study for Food & Beverage (F&B) Industry
- 4.2 Case Study for Healthcare Industry
- 4.3 Case Study for Fish-Hunting Bot
- 4.4 Case Study for Advanced Manufacturing
- 4.5 Case Study for Collaborative Soft Robot

## **5 GLOBAL INTELLIGENT SOFT ROBOTICS MARKET**

- 5.1 Assumptions and Limitations
- 5.2 Market Overview

## **6 GLOBAL INTELLIGENT SOFT ROBOTICS MARKET, (BY TYPE)**

- 6.1 Market Overview
- 6.2 Collaborative Robots (Co-Robots)
- 6.3 Inflated Robots
  - 6.3.1 Engine Inspection
  - 6.3.2 Marine Inspection
  - 6.3.3 Space Exploration
  - 6.3.4 Radioactive Environment
- 6.4 Soft Grippers
- 6.5 Wearables
- 6.6 Others

## **7 GLOBAL INTELLIGENT SOFT ROBOTICS MARKET (BY END USER)**

- 7.1 Healthcare

- 7.1.1 Prosthetics
- 7.1.2 Soft Surgical Robots
- 7.2 Logistics
- 7.3 Defense
- 7.4 Food & Beverage
- 7.5 Space

## **8 GLOBAL INTELLIGENT SOFT ROBOTICS MARKET (BY COMPONENT)**

### 8.1 Hardware

#### 8.1.1 Actuators

- 8.1.1.1 PneuNets Bending Actuators
- 8.1.1.2 Fiber-Reinforced Actuators
- 8.1.1.3 Pneumatic Artificial Muscles
- 8.1.1.4 SDM Fingers
- 8.1.1.5 Dielectric Elastomer Actuators
- 8.1.1.6 Combustion-Driven Actuators
- 8.1.1.7 Multi-Module Variable Stiffness Manipulator
- 8.1.1.8 Tunable Segmented Soft Actuators
- 8.1.1.9 Hot Glue Kit
- 8.1.1.10 HPN Manipulator
- 8.1.1.11 Foam-Based Soft Actuators
- 8.1.1.12 Knit Textile Bending Actuators

#### 8.1.2 Sensors

- 8.1.2.1 EGaln Sensors
- 8.1.2.2 TakkTile Sensors
- 8.1.2.3 Smart Braids
- 8.1.2.4 TacTip
- 8.1.2.5 Pneumatic Deformation Sensors
- 8.1.2.6 Textile Silicone Hybrid Sensor
- 8.1.2.7 ConTact Sensors

#### 8.1.3 Controls

- 8.1.3.1 Fluidic Control Board
- 8.1.3.2 SOFA Framework
- 8.1.3.3 Electro-Pneumatic Circuit

#### 8.1.4 Modeling and Manufacturing Systems

- 8.1.4.1 Modeling
  - 8.1.4.1.1 Modeling and Design Toll for Soft Pneumatic Actuators
  - 8.1.4.1.2 SOFA Framework

8.1.4.2 Laser Cutting

8.1.4.3 3D Printing

8.1.4.3.1 3D Silicon Printer

8.1.4.3.2 Parametric Tool to Generate 3D Printable PneuNet Bending Actuator

Molds

8.1.4.4 Miscellaneous

8.2 Software

## **9 GLOBAL INTELLIGENT SOFT ROBOTICS MARKET (BY MOBILITY)**

9.1 Introduction

9.2 Stationary Soft Robots

9.3 Mobile Soft Robots

## **10 GLOBAL INTELLIGENT SOFT ROBOTICS MARKET (BY REGION)**

10.1 Introduction

10.2 North America

10.2.1 Overview

10.2.2 North America Intelligent Soft Robotics Market (by Type)

10.2.3 North America Intelligent Soft Robotics Market (by End User)

10.2.4 North America Intelligent Soft Robotics Market (by Country)

10.2.4.1 U.S.

10.2.4.1.1 Overview

10.2.4.1.2 U.S. Intelligent Soft Robotics Market (by Type)

10.2.4.1.3 U.S. Intelligent Soft Robotics Market (by End User)

10.2.4.2 Canada

10.2.4.2.1 Overview

10.2.4.2.2 Canada Intelligent Soft Robotics Market (by Type)

10.2.4.2.3 Canada Intelligent Soft Robotics Market (by End User)

10.3 Europe

10.3.1 Overview

10.3.2 Europe Intelligent Soft Robotics Market (by Type)

10.3.3 Europe Intelligent Soft Robotics Market (by End User)

10.3.4 Europe Intelligent Soft Robotics Market (by Country)

10.3.4.1 U.K.

10.3.4.1.1 Overview

10.3.4.1.2 U.K. Intelligent Soft Robotics Market (by Type)

10.3.4.1.3 U.K. Intelligent Soft Robotics Market (by End User)

- 10.3.4.2 Germany
  - 10.3.4.2.1 Overview
  - 10.3.4.2.2 Germany Intelligent Soft Robotics Market (by Type)
  - 10.3.4.2.3 Germany Intelligent Soft Robotics Market (by End User)
- 10.3.4.3 Switzerland
  - 10.3.4.3.1 Overview
  - 10.3.4.3.2 Switzerland Intelligent Soft Robotics Market (by Type)
  - 10.3.4.3.3 Switzerland Intelligent Soft Robotics Market (by End User)
- 10.3.4.4 Sweden
  - 10.3.4.4.1 Overview
  - 10.3.4.4.2 Sweden Intelligent Soft Robotics Market (by Type)
  - 10.3.4.4.3 Sweden Intelligent Soft Robotics Market (by End User)
- 10.3.4.5 Italy
  - 10.3.4.5.1 Overview
  - 10.3.4.5.2 Italy Intelligent Soft Robotics Market (by Type)
  - 10.3.4.5.3 Italy Intelligent Soft Robotics Market (by End User)
- 10.3.4.6 Rest-of-Europe
  - 10.3.4.6.1 Overview
  - 10.3.4.6.2 Rest-of-Europe Intelligent Soft Robotics Market (by Type)
  - 10.3.4.6.3 Rest-of-Europe Intelligent Soft Robotics Market (by End User)
- 10.4 Asia-Pacific
  - 10.4.1 Overview
  - 10.4.2 Asia-Pacific Intelligent Soft Robotics Market (by Type)
  - 10.4.3 Asia-Pacific Intelligent Soft Robotics Market (by End User)
  - 10.4.4 Asia-Pacific Intelligent Soft Robotics Market (by Country)
    - 10.4.4.1 China
      - 10.4.4.1.1 Overview
      - 10.4.4.1.2 China Intelligent Soft Robotics Market (by Type)
      - 10.4.4.1.3 China Intelligent Soft Robotics Market (by End User)
    - 10.4.4.2 India
      - 10.4.4.2.1 Overview
      - 10.4.4.2.2 India Intelligent Soft Robotics Market (by Type)
      - 10.4.4.2.3 India Intelligent Soft Robotics Market (by End User)
    - 10.4.4.3 Japan
      - 10.4.4.3.1 Overview
      - 10.4.4.3.2 Japan Intelligent Soft Robotics Market (by Type)
      - 10.4.4.3.3 Japan Intelligent Soft Robotics Market (by End User)
    - 10.4.4.4 South Korea
      - 10.4.4.4.1 Overview



- 10.4.4.4.2 South Korea Intelligent Soft Robotics Market (by Type)
- 10.4.4.4.3 South Korea Intelligent Soft Robotics Market (by End User)
- 10.4.4.5 Rest-of-Asia-Pacific
  - 10.4.4.5.1 Overview
  - 10.4.4.5.2 Rest-of-Asia-Pacific Intelligent Soft Robotics Market (by Type)
  - 10.4.4.5.3 Rest-of-Asia-Pacific Intelligent Soft Robotics Market (by End User)
- 10.5 Rest-of-the-World
  - 10.5.1 Overview
  - 10.5.2 Rest-of-the-World Intelligent Soft Robotics Market (by Type)
  - 10.5.3 Rest-of-the-World Intelligent Soft Robotics Market (by End User)
  - 10.5.4 Rest-of-the-World Intelligent Soft Robotics Market (by Region)
    - 10.5.4.1 Middle East and Africa
      - 10.5.4.1.1 Overview
      - 10.5.4.1.2 Middle East and Africa Intelligent Soft Robotics Market (by Type)
  - 10.5.5 Middle East and Africa Intelligent Soft Robotics Market (by End User)
    - 10.5.5.1 Latin America
      - 10.5.5.1.1 Overview
      - 10.5.5.1.2 Latin America Intelligent Soft Robotics Market (by Type)
      - 10.5.5.1.3 Latin America Intelligent Soft Robotics Market (by End User)

## **11 COMPANY PROFILES**

- 11.1 Cyberdyne Inc.
  - 11.1.1 Company Overview
  - 11.1.2 Role of Cyberdyne Inc. in the Global Intelligent Soft Robotics Market
  - 11.1.3 Overall Financials
  - 11.1.4 SWOT Analysis
- 11.2 Ekso Bionics Holdings Inc.
  - 11.2.1 Company Overview
  - 11.2.2 Role of Ekso Bionics Holdings Inc. in the Global Intelligent Soft Robotics Market
  - 11.2.3 Overall Financials
  - 11.2.4 SWOT Analysis
- 11.3 Empire Robotics, Inc.
  - 11.3.1 Company Overview
  - 11.3.2 Role of Empire Robotics, Inc. in the Global Intelligent Soft Robotics Market
  - 11.3.3 SWOT Analysis
- 11.4 F&P Personal Robotics
  - 11.4.1 Company Overview
  - 11.4.2 Role of F&P Personal Robotics in Global Intelligent Soft Robotics Market

- 11.4.3 SWOT Analysis
- 11.5 FANUC CORPORATION
  - 11.5.1 Company Overview
  - 11.5.2 Role of FANUC CORPORATION in Global Intelligent Soft Robotics Market
  - 11.5.3 Overall Financials
  - 11.5.4 SWOT Analysis
- 11.6 Franka Emika GmbH
  - 11.6.1 Company Overview
  - 11.6.2 Role of Franka Emika GmbH in Global Intelligent Soft Robotics Market
  - 11.6.3 SWOT Analysis
- 11.7 GLI Technology Limited
  - 11.7.1 Company Overview
  - 11.7.2 Role of GLI Technology Limited in the Global Intelligent Soft Robotics Market
  - 11.7.3 SWOT Analysis
- 11.8 Piab AB
  - 11.8.1 Company Overview
  - 11.8.2 Role of Piab AB in Global Intelligent Soft Robotics Market
  - 11.8.3 SWOT Analysis
- 11.9 QB Robotics
  - 11.9.1 Company Overview
  - 11.9.2 Role of QB Robotics in the Global Intelligent Soft Robotics Market
  - 11.9.3 SWOT Analysis
- 11.10 ReWalk Robotics, Inc.
  - 11.10.1 Company Overview
  - 11.10.2 Role of ReWalk Robotics, Inc. in the Global Intelligent Soft Robotics Market
  - 11.10.3 Overall Financials
  - 11.10.4 SWOT Analysis
- 11.11 RightHand Robotics, Inc.
  - 11.11.1 Company Overview
  - 11.11.2 Role of RightHand Robotics, Inc. in the Global Intelligent Soft Robotics Market
  - 11.11.3 SWOT Analysis
- 11.12 Rolls-Royce Holdings plc
  - 11.12.1 Company Overview
  - 11.12.2 Role of Rolls-Royce Holdings plc in the Global Intelligent Soft Robotics Market
  - 11.12.3 Overall Financials
  - 11.12.4 SWOT Analysis
- 11.13 Soft Robotics, Inc.
  - 11.13.1 Company Overview
  - 11.13.2 Role of Soft Robotics, Inc. in the Global Intelligent Soft Robotics Market

- 11.13.3 SWOT Analysis
- 11.14 Suzhou Rochu Robotics Co., Ltd
  - 11.14.1 Company Overview
  - 11.14.2 Role of Suzhou Rochu Robotics Co., Ltd in Global Intelligent Soft Robotics Market
  - 11.14.3 SWOT Analysis
- 11.15 SynTouch, Inc.
  - 11.15.1 Company Overview
  - 11.15.2 Role of SynTouch, Inc. in the Global Intelligent Soft Robotics Market
  - 11.15.3 SWOT Analysis
- 11.16 Ubiros
  - 11.16.1 Company Overview
  - 11.16.2 Role of Ubiros in the Global Intelligent Soft Robotics Market
  - 11.16.3 SWOT Analysis

## **12 REPORT SCOPE AND METHODOLOGY**

- 12.1 Report Scope
- 12.2 Global Intelligent Soft Robotics Market Research Methodology
  - 12.2.1 Assumptions
  - 12.2.2 Limitations
  - 12.2.3 Primary Data Sources
  - 12.2.4 Secondary Data Sources
  - 12.2.5 Data Triangulation
  - 12.2.6 Market Estimation and Forecast

## List Of Tables

### LIST OF TABLES

- Table 1: Intelligent Soft Robotic Market (by Type), Value (\$Million), 2018-2024
- Table 2: Global Intelligent Soft Robotics Market (by End User), Value (\$Million) 2018-2024
- Table 3: Global Intelligent Soft Robotics Market, by Region, Volume (Thousand), 2018-2024
- Table 1.1: List of Outer Space Robotic Exploration Programs
- Table 1.2: Market Dynamics: Impact Analysis
- Table 2.1: Organic and Inorganic Growth Strategies Adopted by Key Players
- Table 3.1: Key Patents Published, 2014-2019
- Table 3.2: Consortiums and Associations
- Table 4.1: Specifications for a Rehabilitation Soft Glove
- Table 5.1: Global Intelligent Soft Robotics Market, \$Million and Units, 2018-2024
- Table 6.1: Global Intelligent Soft Robotics Market, (by Type), Value (\$Million), 2018-2024
- Table 6.2: Global Intelligent Soft Robotics Market, (by Type), Volume (Thousand), 2018-2024
- Table 6.3: Product Offerings by Leading Soft Robot Manufacturers
- Table 7.1: Global Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024
- Table 7.2: Global Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024
- Table 7.3: NASA's NIAC Program Phase I Selections:
- Table 7.4: NASA's NIAC Program Phase II Selections:
- Table 8.1: Global Intelligent Soft Robotics Market (by Component), Value (\$Million), 2018-2024
- Table 8.2: Global Intelligent Soft Robotics Market, for Hardware, Value (\$Million), 2018-2024
- Table 9.1: Global Intelligent Soft Robotics Market (by Mobility), Value (\$Million), 2018-2024
- Table 9.2: Global Intelligent Soft Robotics Market (by Mobility), Volume (Thousand), 2018-2024
- Table 9.3: Global Stationary Soft Robots
- Table 9.4: Mobile Soft Robots
- Table 10.1: Intelligent Soft Robotics Market (by Region), Value (\$Million), 2018-2024
- Table 10.2: Intelligent Soft Robotics Market (by Region), Volume (Thousand),

2018-2024

Table 10.3: North America Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.4: North America Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.5: North America Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.6: North America Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.7: U.S. Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.8: U.S. Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.9: U.S. Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.10: U.S. Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.11: Canada Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.12: Canada Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.13: Canada Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.14: Canada Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.15: Europe Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.16: Europe Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.17: Europe Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.18: Europe Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.19: U.K. Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.20: U.K. Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.21: U.K. Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.22: U.K. Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

2018-2024

Table 10.23: Germany Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.24: Germany Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.25: Germany Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.26: Germany Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.27: Switzerland Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.28: Switzerland Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.29: Switzerland Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.30: Switzerland Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.31: Sweden Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.32: Sweden Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.33: Sweden Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.34: Sweden Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.35: Italy Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.36: Italy Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.37: Italy Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.38: Italy Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.39: Rest-of-Europe Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.40: Rest-of-Europe Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.41: Rest-of-Europe Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.42: Rest-of-Europe Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.43: Asia-Pacific Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.44: Asia-Pacific Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.45: Asia-Pacific Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.46: Asia-Pacific Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.47: China Intelligent Soft Robotics Market (by Type), \$Million, 2018-2024

Table 10.48: China Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.49: China Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.50: China Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.51: India Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.52: India Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.53: India Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.54: India Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.55: Japan Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.56: Japan Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.57: Japan Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.58: Japan Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.59: South Korea Intelligent Soft Robotic Market (by Type), Value (\$Million), 2018-2024

Table 10.60: South Korea Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.61: South Korea Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.62: South Korea Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.63: Rest-of-Asia Pacific Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.64: Rest-of-Asia-Pacific Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.65: Rest-of-Asia-Pacific Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.66: Rest-of-Asia-Pacific Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.67: Rest-of-the-World Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.68: Rest-of-the-World Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.69: Rest-of-the-World Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.70: Rest-of-the-World Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.71: Middle East and Africa Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.72: Middle East & Africa Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.73: Middle East and Africa Intelligent Soft Robotics Market (by End User), Value (\$Million), 2018-2024

Table 10.74: Middle East and Africa Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 10.75: Latin America Intelligent Soft Robotics Market (by Type), Value (\$Million), 2018-2024

Table 10.76: Latin America Intelligent Soft Robotics Market (by Type), Volume (Thousand), 2018-2024

Table 10.77: Latin America Intelligent Soft Robotics Market, (by End User), Value (\$Million), 2018-2024

Table 10.78: Latin America Intelligent Soft Robotics Market (by End User), Volume (Thousand), 2018-2024

Table 11.1: Key Milestones of the Company



## List Of Figures

### LIST OF FIGURES

Figure 1: Estimated Installations of Industrial Robots

Figure 2: Comparison of Intelligent Soft Robotics and Classic Robotics

Figure 3: Industrial Robot Sales in Americas (By Industry)

Figure 4: Key Factors Affecting the Global Intelligent Soft Robotics Market

Figure 5: Global Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 6: Global Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 1.1: Global Intelligent Soft Robotics: Market Dynamics

Figure 1.2: Robotic Systems Used in Different Food Processing Stages

Figure 1.3: Global Surgery Robotics Market

Figure 2.1: Percentage Share of Strategies Adopted by Market Players, January 2015-October 2019

Figure 2.2: Number of Strategic Developments in the Global Intelligent Soft Robotics Market, January 2015-October 2019

Figure 2.3: Product Launches Share (by Company), January 2015-April 2019

Figure 2.4: Partnerships, Joint Ventures, and Collaborations Share (by Company), January 2015-April 2019

Figure 2.5: Awards and Funding (by Company), January 2015-April 2019

Figure 2.6: Others (by Company), January 2015-April 2019

Figure 2.7: Competitive Benchmarking: Global Intelligent Soft Robotics Market

Figure 3.1: Intelligent Soft Robotics: Supply Chain Analysis

Figure 3.2: Global Intelligent Soft Robotics Market: Porter's Five Forces

Figure 3.3: Potential of New Entrants in the Industry

Figure 3.4: Competition in the Industry

Figure 3.5: Power of Customers

Figure 3.6: Power of Suppliers

Figure 3.7: Threat of Substitute Products

Figure 5.1: Global Intelligent Soft Robotics Market (by Value and Volume), 2018-2024

Figure 6.1: Types of Intelligent Soft Robots

Figure 6.2: Global Co-Robots Market, Value (\$Million), 2018-2024

Figure 6.3: Global Co-Robots Market, Volume (Thousand), 2018-2024

Figure 6.4: Intelligent Soft Collaborative Robots (by Industry)

Figure 6.5: Global Intelligent Soft Robotics Market, for Co-Robots, Value (\$Million), 2018-2024

Figure 6.6: Global Intelligent Soft Robotics Market, for Co-Robots, Volume (Thousand), 2018-2024

Figure 6.7: Global Intelligent Soft Robotics Market, for Inflated Robot, Value (\$Million), 2018-2024

Figure 6.8: Global Intelligent Soft Robotics Market, for Inflated Robot, Volume (Thousand), 2018-2024

Figure 6.9: Key Properties of Inflated Soft Robots in Space

Figure 6.10: Companies Involved in Manufacturing of Soft Grippers for Various Applications

Figure 6.11: Growth of Amazon, Inc. Warehouses in the U.S.

Figure 6.12: Global Intelligent Soft Robotics Market for Soft Grippers, Value (\$Million), 2018-2024

Figure 6.13: Global Intelligent Soft Robotics Market for Soft Grippers, Volume (Thousand), 2018-2024

Figure 6.14: Types and Properties of Various Polymers

Figure 6.15: Global Intelligent Soft Robotics Market for Wearables, Value (\$Million), 2018-2024

Figure 6.16: Global Intelligent Soft Robotics Market for Wearables, Volume (Thousand), 2018-2024

Figure 6.17: Global Intelligent Soft Robotics Market for Others, Value (\$Million), 2018-2024

Figure 6.18: Global Intelligent Soft Robotics Market for Others, Volume (Thousand), 2018-2024

Figure 7.1: Intelligent Soft Robotics Applications

Figure 7.2: Intelligent Soft Robotics Applications in Healthcare

Figure 7.3: Intelligent Soft Robotics Manufacturing Companies in Healthcare

Figure 7.4: Global Intelligent Soft Robotics Market for Healthcare, Value (\$Million), 2018-2024

Figure 7.5: Global Intelligent Soft Robotics Market for Healthcare, Volume (Thousand), 2018-2024

Figure 7.6: E-Commerce Net Sales in the U.S.

Figure 7.7: Global Intelligent Soft Robotics Market for Logistics, Value (\$Million), 2018-2024

Figure 7.8: Global Intelligent Soft Robotics Market for Logistics, Volume (Thousand), 2018-2024

Figure 7.9: Global Intelligent Soft Robotics Market for Defense, Value (\$Million), 2018-2024

Figure 7.10: Global Intelligent Soft Robotics Market for Defense, Volume (Thousand), 2018-2024

Figure 7.11: Soft Robotic Companies in Food & Beverage Industry

Figure 7.12: Global Intelligent Soft Robotics Market, by Food & Beverage, Value

(\$Million), 2018-2024

Figure 7.13: Global Intelligent Soft Robotics Market for Food & Beverage, Volume (Thousand), 2018-2024

Figure 7.14: Global Intelligent Soft Robotics Market, by Space, Value (\$Million), 2018-2024

Figure 7.15: Global Intelligent Soft Robotics Market for Space, Volume (Thousand), 2018-2024

Figure 8.1: Global Intelligent Soft Robotics Market (by Component)

Figure 8.2: Global Intelligent Soft Robotics Market (by Actuators)

Figure 8.3: Global Intelligent Soft Robotics Market for Actuators, Value (\$Million), 2018-2024

Figure 8.4: Types of Sensors in Soft Robots

Figure 8.5: Global Intelligent Soft Robotics Market for Sensors, Value (\$Million), 2018-2024

Figure 8.6: Types of Controls in Soft Robots

Figure 8.7: Global Intelligent Soft Robotics Market for Controls, Value (\$Million), 2018-2024

Figure 8.8: Components in Fluidic Control Board

Figure 8.9: Tools for Modeling and Manufacturing of Soft Robots

Figure 8.10: Global Intelligent Soft Robotics Market, for Modeling and Manufacturing Systems, Value (\$Million), 2018-2024

Figure 8.11: Global Intelligent Soft Robotics Market, by Software, Value (\$Million), 2018-2024

Figure 9.1: Global Intelligent Soft Robotics Market (by Mobility)

Figure 9.2: Global Intelligent Soft Robotics Market for Stationary Soft Robots, Volume (Thousand), 2018-2024

Figure 9.3: Global Intelligent Soft Robotics Market for Stationary Soft Robots, Volume (Thousand), 2018-2024

Figure 9.4: Global Intelligent Soft Robotics Market for Mobile Soft Robots, Value (\$Million), 2018-2024

Figure 9.5: Global Intelligent Soft Robotics Market for Mobile Soft Robots, Volume (Thousand), 2018-2024

Figure 10.1: Global Intelligent Soft Robotics Market – Regional Segmentation

Figure 10.2: North America Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.3: North America Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.4: Global Intelligent Soft Robotics Market – North America

Figure 10.5: Global Intelligent Soft Robotics Market – Key Companies in the U.S.

Figure 10.6: U.S. Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.7: U.S. Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.8: Canada Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.9: Canada Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.10: Europe Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.11: Europe Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.12: Global Intelligent Soft Robotics Market – Key Companies in Europe

Figure 10.13: U.K. Intelligent Soft Robotics Market – Key Research Organizations in the U.K.

Figure 10.14: U.K. Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.15: U.K. Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.16: Germany Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.17: Germany Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.18: Switzerland Intelligent Soft Robotics Market – Key Companies and Research Organizations

Figure 10.19: Switzerland Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.20: Switzerland Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.21: Sweden Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.22: Sweden Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.23: Italy Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.24: Italy Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.25: Rest-of-Europe Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.26: Rest-of-Europe Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.27: Asia-Pacific Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.28: Asia-Pacific Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.29: China Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.30: China Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.31: India Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.32: India Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.33: Japan Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.34: Japan Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.35: South Korea Policies in Developing Robotic Industry

Figure 10.36: South Korea Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.37: South Korea Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.38: Rest-of-Asia-Pacific Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.39: Rest-of-Asia-Pacific Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.40: Rest-of-the-World Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.41: Rest-of-the-World Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.42: Middle East and Africa Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.43: Middle East and Africa Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 10.44: Number of Industrial Robots Installed – Latin America

Figure 10.45: Latin America Intelligent Soft Robotics Market, Value (\$Million), 2018-2024

Figure 10.46: Latin America Intelligent Soft Robotics Market, Volume (Thousand), 2018-2024

Figure 11.1: Share of Key Company Profiles

Figure 11.2: Cyberdyne Inc. – Product Offerings

Figure 11.3: Cyberdyne Inc. Overall Financials, 2016-2018

Figure 11.4: Cyberdyne Inc. – Revenue (by Segment), 2016-2018

Figure 11.5: Cyberdyne Inc. - Research and Development Expenditure, 2016-2018

Figure 11.6: SWOT Analysis – Cyberdyne Inc.

Figure 11.7: Ekso Bionics Holdings Inc. – Product Offerings

Figure 11.8: Ekso Bionics Holdings Inc.: Overall Financials, 2016-2018

Figure 11.9: Ekso Bionics Holdings Inc.: Revenue (by Segment), 2015-2017

Figure 11.10: Ekso Bionics Holdings Inc.: Revenue (by Region), 2015-2017

Figure 11.11: Ekso Bionics Holdings Inc. - Research and Development Expenditure, 2016-2018

Figure 11.12: SWOT Analysis – Ekso Bionics Holdings Inc.

Figure 11.13: Empire Robotics, Inc. – Product Offerings

Figure 11.14: SWOT Analysis – Empire Robotics, Inc.

Figure 11.15: F&P Personal Robotics – Product Offerings

Figure 11.16: SWOT Analysis – F&P Personal Robotics

Figure 11.17: FANUC CORPORATION – Product Offerings

Figure 11.18: FANUC CORPORATION, Overall Financials, 2016-2018

Figure 11.19: FANUC CORPORATION: Revenue (by Segment), 2016-2018

Figure 11.20: FANUC CORPORATION: Revenue (by Region), 2015-2017

Figure 11.21: FANUC CORPORATION - Research and Development Expenditure,

2016-2018

Figure 11.22: SWOT Analysis – FANUC CORPORATION

Figure 11.23: Franka Emika GmbH – Product Offerings

Figure 11.24: SWOT Analysis – Franka Emika GmbH

Figure 11.25: Specifications of Gomer

Figure 11.26: GLI Technology Limited – Product Offerings

Figure 11.27: SWOT Analysis – GLI Technology Limited

Figure 11.28: Piab AB – Product Offerings

Figure 11.29: SWOT Analysis – Piab AB

Figure 11.30: QB Robotics – Product Offerings

Figure 11.31: SWOT Analysis – QB Robotics

Figure 11.32: ReWalk Robotics, Inc. – Product Offerings

Figure 11.33: ReWalk Robotics, Inc. Overall Financials, 2016-2018

Figure 11.34: ReWalk Robotics, Inc.: Revenue (by Segment), 2016-2018

Figure 11.35: ReWalk Robotics, Inc.: Revenue (by Region), 2015-2017

Figure 11.36: ReWalk Robotics, Inc. - Research and Development Expenditure, 2016-2018

Figure 11.37: SWOT Analysis – ReWalk Robotics, Inc.

Figure 11.38: RightHand Robotics, Inc. – Product Offerings

Figure 11.39: SWOT Analysis – RightHand Robotics, Inc.

Figure 11.40: Rolls-Royce Holdings Plc – Product Offerings

Figure 11.41: Rolls-Royce Holdings Plc Overall Financials, 2016-2018

Figure 11.42: Rolls-Royce Holdings plc: Revenue (by Segment), 2015-2017

Figure 11.43: Rolls-Royce Holdings plc: Revenue (by Region), 2016-2018

Figure 11.44: Rolls-Royce Holdings plc - Research and Development Expenditure, 2016-2018

Figure 11.45: SWOT Analysis – Rolls-Royce Holdings plc

Figure 11.46: Soft Robotics, Inc. – Product Offerings

Figure 11.47: SWOT Analysis – Soft Robotics, Inc.

Figure 11.48: Suzhou Rochu Robotics Co.,Ltd – Product Offerings

Figure 11.49: SWOT Analysis – Suzhou Rochu Robotics Co.,Ltd

Figure 11.50: SynTouch, Inc. – Workflow for a Scientific Decision

Figure 11.51: SynTouch, Inc. – Product Offerings

Figure 11.52: SWOT Analysis – SynTouch, Inc.

Figure 11.53: Ubiros – Product Offerings

Figure 11.54: SWOT Analysis – Ubiros

Figure 12.1: Global Intelligent Soft Robotics Market Coverage

Figure 12.2: Segmentations for Market Estimation in the Global Intelligent Soft Robotics Market

Figure 12.3: Report Design

Figure 12.4: Primary Interviews (by Player, Designation, and Region)

Figure 12.5: Data Triangulation

Figure 12.6: Top-Down and Bottom-Up Approach

## I would like to order

Product name: Global Intelligent Soft Robotics Market: Focus on Type (Co-Robots, Inflated Robots, Soft Grippers, Wearables, and Others), End Users (Healthcare, Logistics, Defense, Food & Beverages, and Space), Component (Hardware and Software), Mobility (Stationary and Mobile), and Region – Analysis and Forecast, 2019-2024

Product link: <https://marketpublishers.com/r/GF752ADB7D07EN.html>

Price: US\$ 5,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF752ADB7D07EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>



To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970