Robotics 2016-2026

Description: The robotics industry is on the brink of a revolution. For over 50 years the most commercially successful robots have been articulated robot arms used primarily in the automotive industry to manufacture cars. The biggest shift over the next ten years will be massive growth in mobile robots.

This new breed of robots will transport us, deliver our goods, spray and harvest our crops, monitor our streets, fight our enemies and mine minerals not only on the planet surface but from the bottom of the ocean and potentially even from asteroids in space. Smaller but still substantial developments will include the proliferation of traditional industrial robots into countries currently manufacturing using human labour and also the evolution of industrial robots from dangerous machines that must be fenced off for safety to collaborative robots able to sit alongside human workers and contribute safely thanks to developments in sensors, microcontrollers, machine vision and artificial intelligence.

These existing and emerging robotics market sectors amount to a $25bn market today and will grow to $123bn by 2026. This report details each major market sector with case studies, current market values and growth figures in order to build the most comprehensive overall market analysis of the entire robotics industry, both present and future.

The following forecasts are given:

- Total market values forecast 2016-2026
- Individual market forecasts 2016-2026 for traditional industrial robots, collaborative robots, surgical assistants, agricultural and personal robots (broken down into 3D printers, lawn mowers, pool cleaners and vacuum cleaners).
- Market share by sector 2016-2026
- Absolute growth (in $) for each market sector 2016-2026
- Time line of major developments expected from 2016 to 2026
- Hype curve indicating the state of evolution of each market sector/technology today

The following sectors are covered in detail:

- Industrial robots (inside and outside China)
- Surgical
- Military
- Logistics/warehousing
- Personal
- Agriculture
- Mining
- Collaborative
- Autonomous transport

Companies across North America, Europe and Asia were studied in order to get a fully global picture. Specifically, companies from 18 different countries: Belgium, Canada, China, Denmark, France, Germany, Ireland, Israel, Italy, Japan, Korea, Netherlands, Sweden, Switzerland, Taiwan, UK, US and Vietnam.

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