

Analyzing the Global Market for Collaborative Robots 2018

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Abstracts

In an age where robots are fast becoming an integral part of any workforce, collaborative robots, or robots, are becoming the support humans need in any shared workspace. Cobots are different from industrial robots, in that they are designed to operate with limited guidance or in some cases, completely autonomously. Many companies have jumped on the bandwagon of collaborative robots, incorporating them into their workforce to make the process more streamlined and safer.

Cobots are generally used for performing a function in the place of a human worker. They work at the same pace and even continue to do the process non-stop, thus increasing the productivity of the overall process. Cobots are also well capable of working in any environment that humans can work in, even facing extreme temperatures or noise. Companies stand to gain significantly with the use of cobots as these robots can help increase benefits and returns.

KUKA, a Germany-based robot manufacturer, was the first company to release a cobot in 2004. Market statistics estimate that cobots are likely to account for nearly 35% of all industrial robots sold by the year 2025. With the market expected to grow substantially by 2025, one of the main factors contributing to this growth will be a decrease in their price tags and an advancement of their capabilities in edge computing.

Aruvian Research presents an analysis of the global cobots market in its research report Analyzing the Global Market for Collaborative Robots 2018. The report begins with an introduction to collaborative robots. We look at the various attributes associated with cobots, such as exploring what is force limited robots, what is the payload of cobots, what is the significance of robot weight, and also the parts and presentation of cobots. This section also looks at the types of robot-human collaboration that exist and

also at the levels of human-robot collaboration.

Section C of the report looks at the global market for collaborative robots including industry revenue and a brief look at how the industry is likely to shape up in the coming years.

Cobots versus traditional industrial robots are analyzed and the sections look at how cobots are a step above industrial robots when it comes to getting the work done. The section also looks at the safety component, ease of programming, agility factor of cobots, and also the ideal applications for cobots as opposed to industrial robots.

The report also provides a section dedicated to helping buyers to buy the perfect cobot for their business. Various factors that need to be considered before buying a cobot are discussed in section E.

Section F analyzes the various collaborative robots that are in use today. The section analyzes over 30 of the popular cobots available in the market today including, ABB's Yumi, BioRob by Bionic Robotics, several cobots manufactured by Fanuc, the Speedy series by MABI, and many others.

The report concludes with an analysis of several of the major players who are involved in the manufacturing of collaborative robots. Players analyzed include ABB, Bionic Robotics, FANUC, Kawasaki, Kawada Industries, KUKA, Universal Robots, and many others. Nearly 20 players are analyzed in the report.

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