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Robo-Auto-Mation for smart future!

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Todayâ€™s robots are considered to be the most-flexible â€˜automation toolâ€™ which are available all ar the globe. They have the potential to simplify the human efforts to very possible extent. They ensure a high degree of adaptability and execute their jobs both consistently and constantly. Latest and regular developments brought significant transformations in robotics making them easy to operate and much more helpful.

A robot can be known as an automated machine whereas an automatic machine can also be named as a robot. Robo-auto-mation brings innovative and integrated solutions for any kind of technical manufacturing challenge. Thus, the trend of Automation and Robotics Engineering is fast growing among the youth due to its never-ending and resourceful benefits.

A&R engg. is the most recent branch of technology which deals in manufacturing, designing, controlling, operating and developing the applications of robots. It includes the study of computer systems to regulate the sensory feedback and information processing. The efficiency in the industrial fields has increased manifolds through the constant encroachments in A&R technology.

Robots are computer-controlled machines and systems which make its mechanization more competent, dynamic and harmless. Robotic equipments can perform all such jobs which even humans cannot do. A&R technology includes the steady research & development to gear up the speed and functionality of the machines.

A&R engg. has a wide scope of operation and application ranging from medical and military uses to the designing of space vehicles. It is all about building, researching and devising new robots that serve different purposes nationally, socially or militarily. Robots with the help of their artificial intelligence can perform the jobs which are dangerous to mankind such as defusing bombs, exploring mines et al.

The high-tech control systems and information technologies help in the production of goods and services by reducing the human efforts. In the field of industrialization, automation and robotics proved to be a boon. It is surely a step beyond mechanization.

Recent advancements in the field of automation and robotics include the introduction of grippers and cycle times. The power driven grippers provides the robots with arms making them capable to hold a large variety of products. An induction of cycle times proves helpful in packing, shifting, handling, spraying and cutting down the units in no times. Soon robots will substitute for individuals at various working places.

Undoubtedly, Robo-auto-mation has become an essential part of the world economy. Thus, making it sure that in near future robots will be seen normally at frequent concerns including manufacturing units, farming/agriculture, hospitals, maintenance and erection.

Robots can even become our co-workers or servants at home!

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