

ROBOTICS: A HI-TECH REVOLUTION IN APPAREL MANUFACTURING & TECHNOLOGY

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ABSTRACT

For many years, the application of automation has resulted in significant benefits to industrial world. High levels of consistency and precision in work pieces and high levels of repeatability and accuracy in manufacturing equipment have been required. Economic Justification can be shown only for large quantities of production. To achieve this, we need adaptive manipulation systems having some Artificial Intelligence. Keeping the concept in mind, an employee in 1970s of the Japanese Yasukawa Company developed a mechatronic system named industrial robots. Today mechatronics is often to be synonymous with robotics. Since computer plays a key role in robotics, the word robot has a specific meaning and it has an emphasis in industry specially related to textiles.