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ROBOT-ARM AND GRIPPER

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In the name of God, Most Beneficent, Most Merciful

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Obviously, it is not easy to built the robot without any hands from others person.

Therefore, thanks for their hands.. . Wassalam.

ABSTRACT

The robots of the movies, such as C-3PO and the Terminator are portrayed as fantastic, intelligent, even dangerous forms of artificial life. However, robots of today are not exactly the walking, talking intelligent machines of movies, stories and our dreams. Today, we find most robots working for people in factories, warehouses, and laboratories. In the future, robots may show up in other places: our schools, our homes, even our bodies. Robots have the potential to change our economy, our health, our standard of living, our knowledge and the world in which we live. As the technology progresses, we are finding new ways to use robots. Each new use brings new hope and possibilities, but also potential dangers and risks.

WHY ROBOTS?

Robots are useful in industry for a variety of reasons. In today's economy, a business needs to be efficient to keep up with the competition. Installing robots is often way business owners can be more competitive, because robots can do some things more efficiently than people.

- Robots never get sick or need to rest, so they can work 24 hours a day, 7 days a week.
- When the task required would be dangerous for a person, they can be do the work instead.
- Robots don't get bored, so work that is repetitive and unrewarding is no problem for a robot.

Robots have changed the way people work. Do you or someone you know have a robotic co-worker?

EVERYDAY ROBOT TASKS

Although robots can't do every type of job, there are certain tasks robots do very well:

- Assembling products
- Handling dangerous materials
- Spraying finishes
- Inspecting parts, produce, and livestock
- Cutting and polishing

In contemporary manufacturing, fewer people are doing these tasks, as robots fill this niche.

ROBOTS OF THE WORLD UNITE!

When a factory or warehouse goes robotic, people can lose their jobs.

Opponents of industrial robots in the workforce say **unemployment** will skyrocket as robots take good-paying jobs away from people.

People in favor of robots say that the kind of work robots take over - such as assembling auto engines, shearing sheep, or inspecting microchips - is often **backbreaking and dangerous**. They suggest that people will be able to have more satisfying jobs, if robots do most of the difficult manufacturing tasks.

As technology advances, will the jobs lost to robotic workers be made up for by the increase of opportunities in the robotics industry? Are we paying too great a human price, for a short term gain in efficiency? There are no easy answers.

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