

## MODERN ROBOTS

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A robot is a mechanical or virtual intelligent agent that can perform tasks automatically or with guidance, typically by remote control. In practice a robot is usually an [electro-mechanical machine](#) that is guided by computer and electronic programming. Robots can be [autonomous](#), semi-autonomous or remotely controlled.

[Al-Jazari](#) designed and constructed a number of automated machines, including kitchen appliances, musical automata powered by water, and programmable automata.

The Three Laws of Robotics are a set of rules devised by the [science fiction](#) author [Isaac Asimov](#) and later added to.

I must say that [Leonardo da Vinci](#) sketched plans for a humanoid robot around 1495.

An android is a [robot synthetic organism](#) designed to look and act like a human, and with a body having a flesh-like resemblance. The most famous android is Aiko. Its weight is 30 kg, its height is 151 cm. She can speak, read text, identify objects and colors, and solve mathematical problems. Aiko is made of soft silicone. It is able to “feel the pain”.

Next kind of robot is Military robots. Military robots are autonomous [robots](#) or remote-controlled devices designed for military applications.

An industrial robot is an automatically controlled, reprogrammable, multipurpose manipulator programmable in three or more axes. The field of robotics may be more practically defined as the study, design and use of [robot](#) systems for [manufacturing](#).

A Ballbot is a [mobile robot](#) designed to balance itself on a single spherical wheel, both while in motion or staying in place.