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EE 5325/4315 - Robotics

Types of Commercial Robots

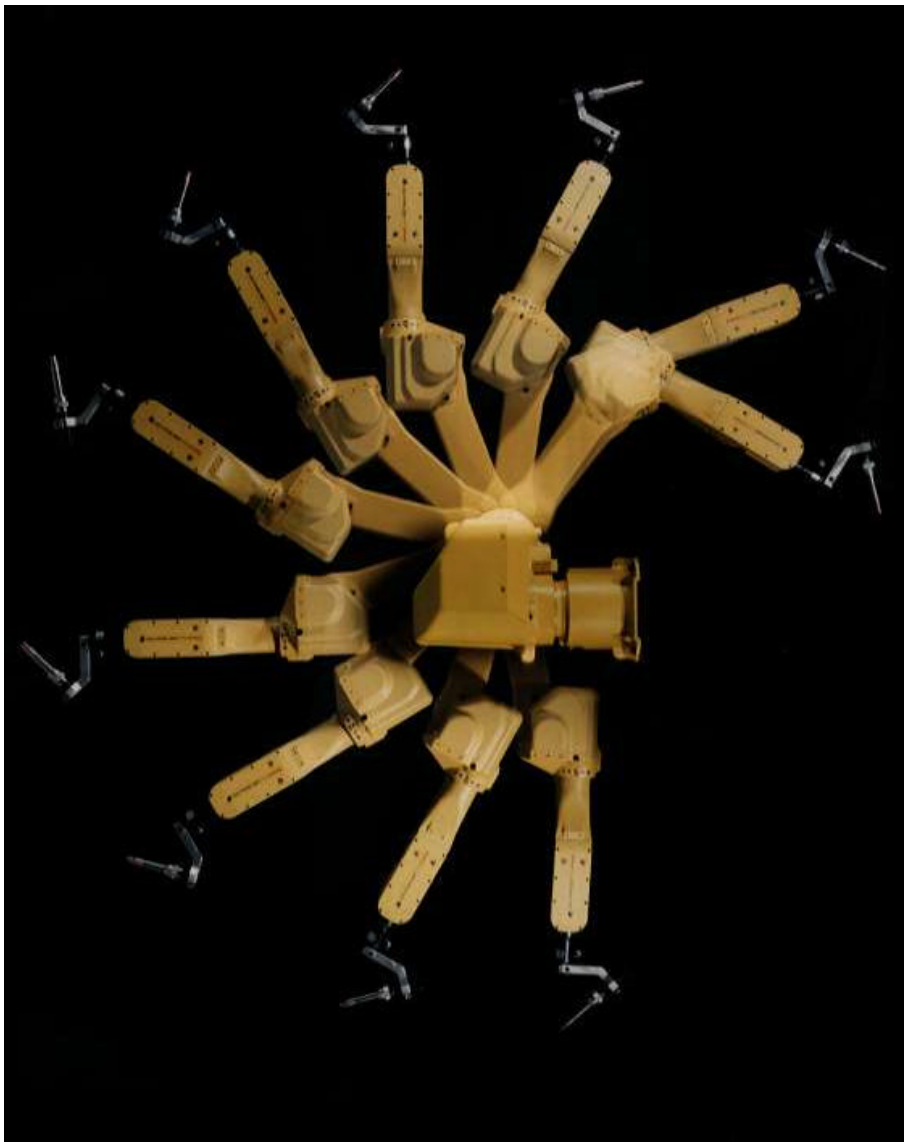
There are many types of commercial robots, depending on the application. These photos are from the CRC Mechanical Engineering Handbook article by J.M. Fitzgerald in Chapter 14 "Robotics".

Four-axis robot unloading a shipping pallet. Courtesy Fanuc Robotics.



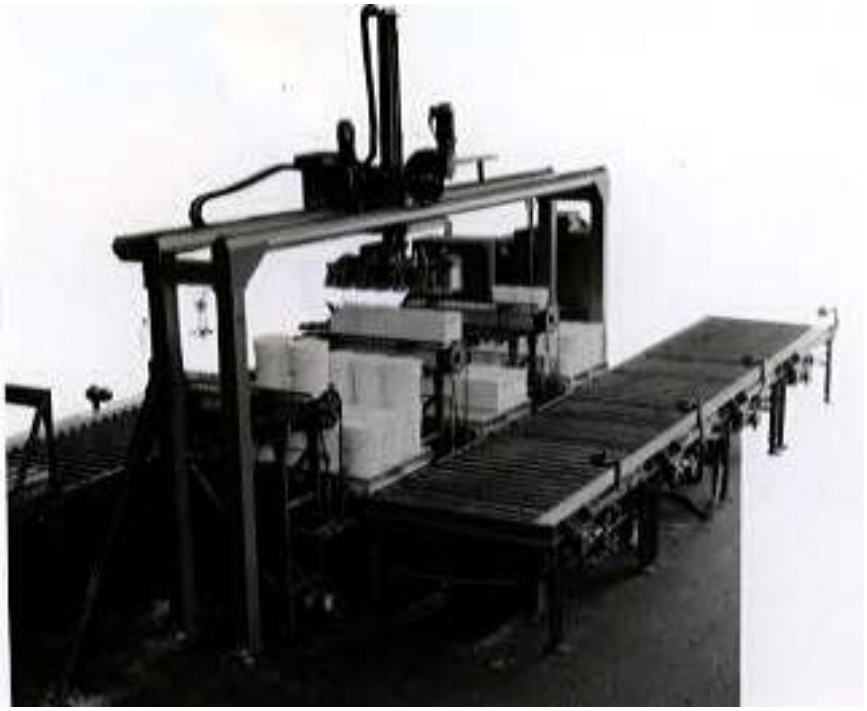
Six axis arm grinding from a casting. Courtesy Staubli Unimation.

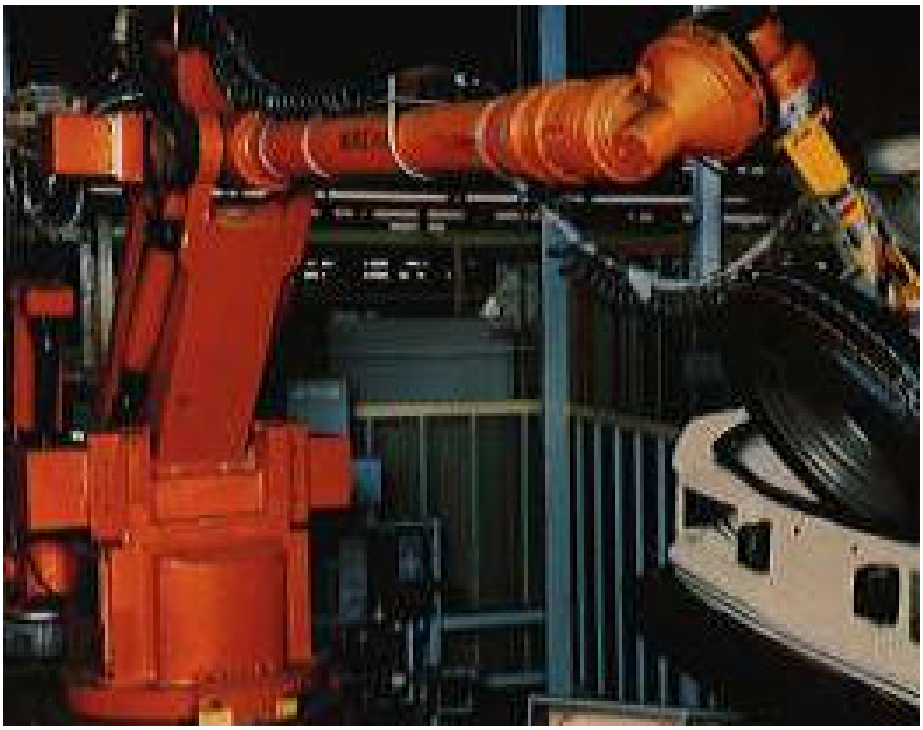




Multiple exposure view of 5-axis arc welding robot. Courtesy of Fanuc Robotics.

Three-axis gantry robot for palletizing. Courtesy of C&D Robotics.





Six-axis arm manipulates spare wheel into place. Courtesy Nachi Ltd.



Four-axis gantry robot for palletizing boxes.
Courtesy C&D Robotics



Three-axis robot constructed from single-axis motion modules. Courtesy of Adept Technologies.

Stewart Platform robot manipulator hung upside down in an automated grinding and surface finishing cell.

