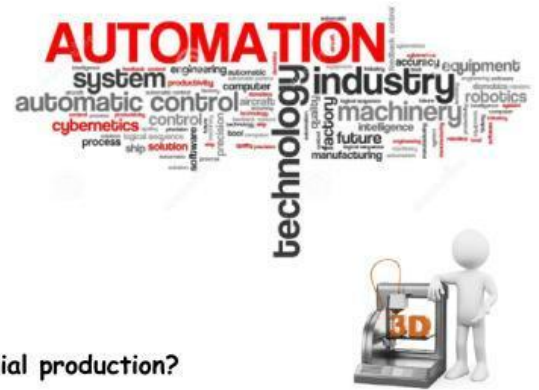


## LISTENING - UNIT 5 - AUTOMATION

Automation is when we take something that otherwise is done by humans, such as driving, and make them automated. AI is Artificial Intelligence, which means technology that is becoming as smart, or smarter, than humans. These together can alter society in many ways, either for better or for worse



1. Watch the video about the automation of 3D printing and answer the following questions using your own words.

- A. What are the benefits of integrating industrial 3D printing into serial production?

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- B. How do automated processes for the removal and transport of building platforms increase efficiency?**

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- C. What happens to the powder and parts after they are separated automatically?

How does EOS industrial 3D printing solutions contribute to the next generation of manufacturing?

- D. How does EOS industrial 3D printing solutions contribute to the next generation of manufacturing?

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2. Now watch another video about Airobotics and for statements 1-5 choose "True" or "False". Find evidence in the video that supports your answer.

1. Drones can only be used for aerial photography.
2. Routine inspections with drones save resources and prevent endangerment of employees.
3. Drones can easily check gas tanks for leaks.
4. A robotics drone is launched and landed automatically without need for a pilot.
5. A robotics drone can only be used for security inspection.



**3. Watch the video about FANUC Industrial Robots at AUDI and choose the correct answer.**

- 1. What is the video about?**
  - A) The history of Fanuc robots
  - B) The use of robots in industrial production
  - C) The development of cars at Audi Hungarian motor limited factory
  - D) The importance of programming robots correctly
- 2. How long has Fanuc been facilitating industrial production?**
  - A) 60 years
  - B) 120 years
  - C) 135 years
  - D) 2014 years
- 3. In how many countries is Fanuc present?**
  - A) 60
  - B) 120
  - C) 135
  - D) 2014
- 4. Which industry does Fanuc assist in Hungary?**
  - A) Agriculture
  - B) Automotive
  - C) Textile
  - D) Food
- 5. Which company produces two million engines and 135 thousand cars in 2014?**
  - A) Fanuc
  - B) Audi AG
  - C) Volkswagen
  - D) Audi Hungria
- 6. Why do colleagues like working together with robots?**
  - A) Because they are easy to program
  - B) Because they are dependable
  - C) Because they make human work easier
  - D) Because they deliver quality standards
- 7. What is important when programming robots?**
  - A) To program them incorrectly
  - B) To program them slowly
  - C) To program them quickly
  - D) To program them correctly
- 8. What is the main cause of problems with robots?**
  - A) Improper programs or lack of maintenance
  - B) The robots themselves
  - C) High pressure or temperature
  - D) Rapid machining
- 9. What is the highlight of Fanuc robots?**
  - A) They are difficult to program
  - B) They are dependable
  - C) They are easy to program
  - D) They have a very good experience
- 10. What is the purpose of the video?**
  - A) To promote Fanuc robots
  - B) To promote Audi AG
  - C) To promote Volkswagen
  - D) To promote Hungary

