



UNIT 3 – Additive manufacturing and 3D printing in Industry 4.0
Subunit 2 – AM: Processes, materials, and application areas

AM application areas



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Introduction

The evolution of 3D printing has seen a rapid growth in the number of companies adopting AM technology. 3D printing is efficient and highly customisable, and has potential applications across a wide range of industries. The applications and use cases vary across those industries, and the potential sectors for 3D printing increase every day.

In this activity trainees will have to attribute various applications to the corresponding proposed industrial areas. In the next slide make a correspondence with arrows between the indicated industrial areas and their respective applications. There are 2 specific applications for each industrial area.



Exercise: Industrial areas and respective applications

Aerospace

Automotive

Healthcare

Energy

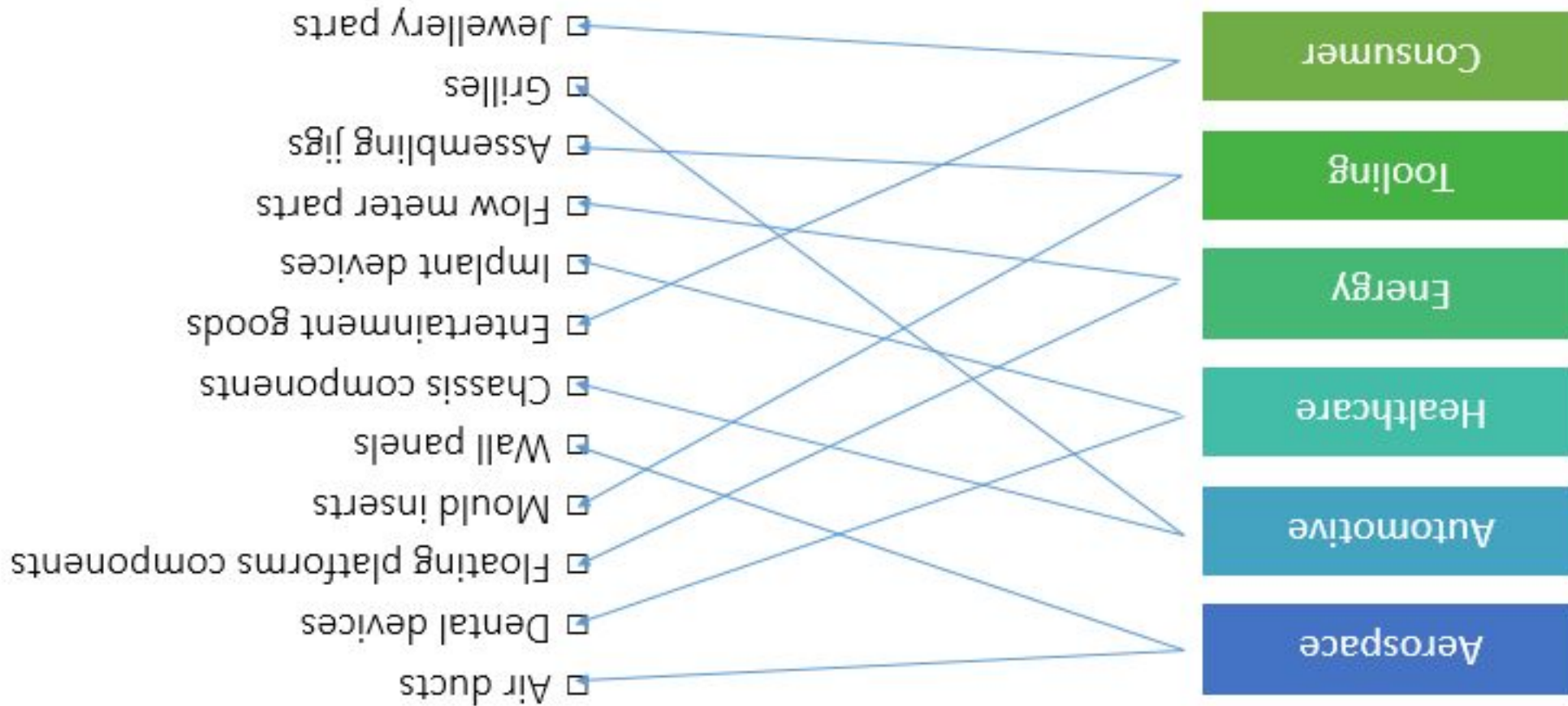
Tooling

Consumer

- Air ducts
- Dental devices
- Floating platforms components
- Mould inserts
- Wall panels
- Chassis components
- Entertainment goods
- Implant devices
- Flow meter parts
- Assembling jigs
- Grilles
- Jewellery parts



Exercise solution



Project partners

