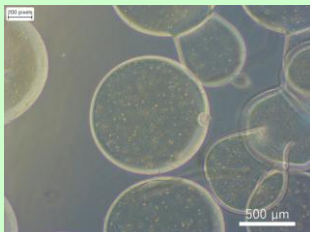# How Do 3D Printers Differ?
Exploring FDM, SLA, and Bioprinting Approaches to Fabrication

3D printers are used in a wide range of fields, and they create three-dimensional objects through additive manufacturing.

In this lecture, you will use your own 3D design data to create objects using three types of 3D printers: a <u>fused deposition modeling (FDM) printer</u>, a <u>stereolithography (SLA) printer</u>, and a <u>bioprinter</u>.

By comparing the final shape, texture, and level of detail, you will observe the unique characteristics of each printer. The goal is to deepen your understanding of the strengths and suitable applications of each 3D printing technology.

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