

The near future of 4D printing

Forecasts for 2024-2030



4D printing will reach an estimated \$1,971.4 B by 2030, an **annual growth of 41.3%**.



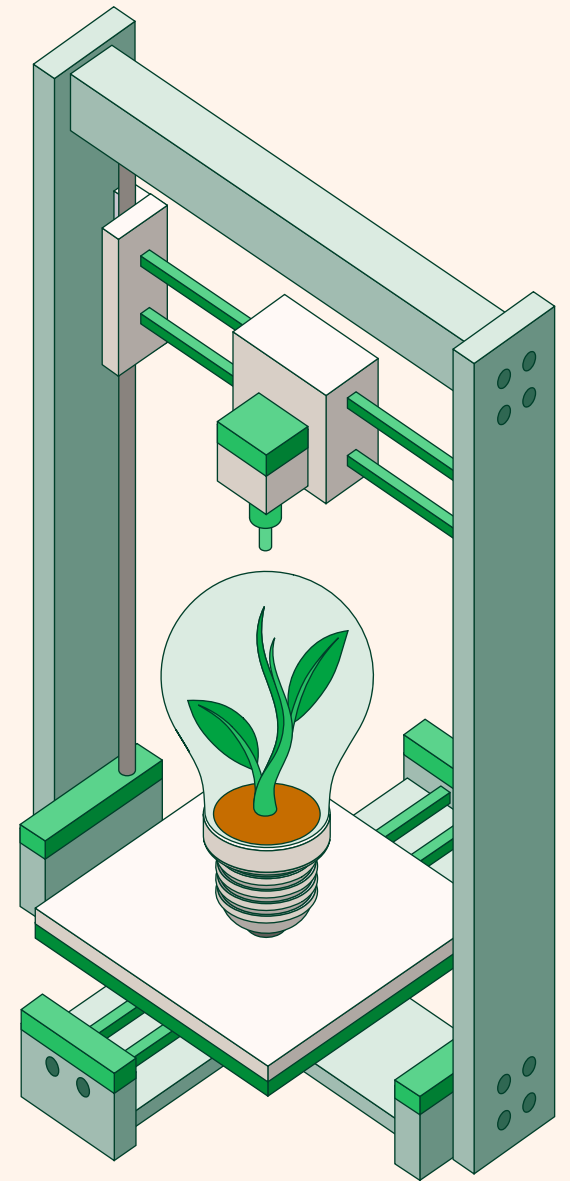
Industries such as aerospace, automotive, construction, textiles and healthcare will get a big boost in innovation thanks to 4D printing.



North America, Western Europe and Asia-Pacific will lead advances and innovation in this technology.



By 2029, the **4D printing market in the healthcare** sector is expected to grow by 25.9% or \$86.95 M.



The widespread adoption of 4D printing will make it possible to have a positive impact on the environment in areas such as:

1

Reducing waste and energy consumption.

2

Innovation in materials and applications in areas such as biomedicine, security and microelectronics.

3

Substituting manufacturing processes (by 2030, approximately 10% of manufacturing will be replaced by 3D and 4D manufacturing).

Sources: Emergen Research, Mordor Intelligence, Industry Talks, Ceplan Observatory, PT Mexico.