

THE FUTURE OF DENTAL RESTORATIONS : 3D PRINTED CROWNS IN DIGITAL DENTISTRY

History

- Introduced in 1986 by Charles Hull – stereolithography- father of 3d printing

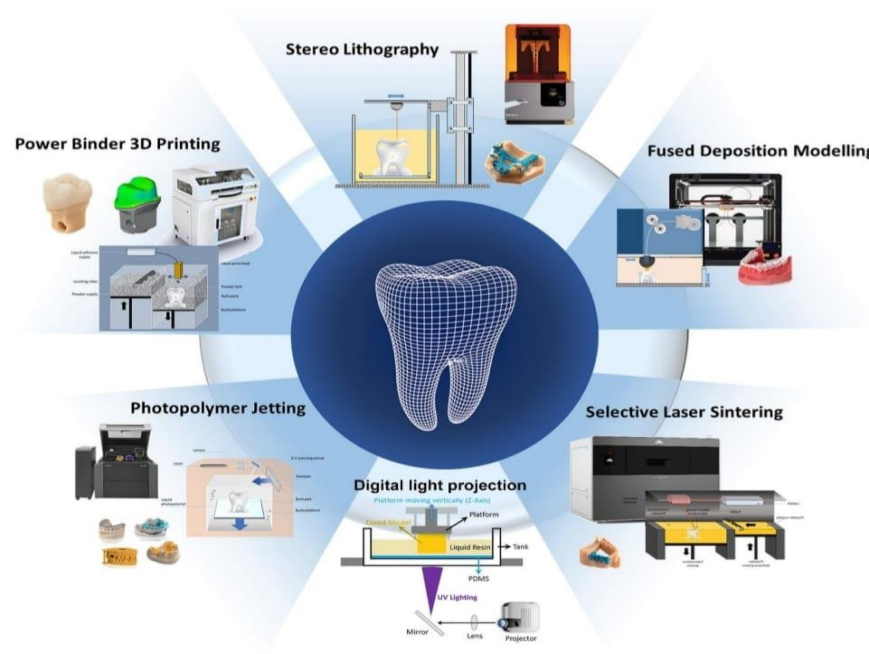
Introduction

- Additive manufacturing is a revolutionary technique that refers to the process of deposition of material layer by layer

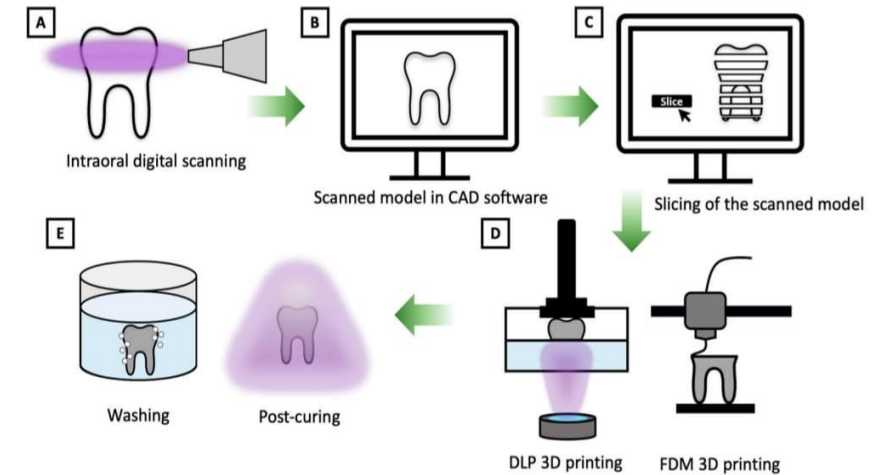
Materials

- Metals
- Composites
- Polymers
- ceramics

Techniques



Steps in 3d printing



Advances

- Zirconia 3d printing is rapidly evolving with advanced materials such as yttria stabilized zirconia, partially stabilized zirconia, fully stabilized zirconia.

