

CAD-CAM: 밀링과 3D 프린팅의 현재



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Since the launch of CEREC 1, the first commercially available dental digital conservative restoration system was launched in 1987, approximately 3 decades ago, a variety of dental CAD CAM milling systems have been introduced.

In recent years, a breakthrough development and advancement have been made in the CAD CAM technology and materials.

As a representative method for subtractive manufacturing, the milling method can be divided into grinding and milling as a method of producing highly precise restorative and prosthetic restoration.

As a representative method of additive manufacturing, 3D printing is expanding its clinical application field through developments of new materials along with development of hardware.

In milling and 3D printing, the important thing in dental clinical application is to produce precise results according to the characteristics of the dental care by quality control in manufacturing.

In this lecture, we will look at how dental mills and 3D printers, which correspond to hardware in conservative restorative dentistry clinics, are actually utilized in dental clinics, and by looking at CAM software that can achieve 100% of the performance of such hardware,