Digital dentistry in implantology

Enabled by 3D printing, dentistry is undergoing a digital revolution. Digital dentistry represents the merger of mass production with individual customization, providing a faster and more cost-efficient dental workflow. The adoption of digital dentistry is increasingly defining and driving the success of dental businesses. Those dental labs that rise to the challenge will be the companies that grow fastest in the years to come.

Dental implants have been used successfully for many years to restore missing teeth. They don’t decay and they function just like real teeth. Until recently however, the placement of dental implants involved an invasive and time consuming surgical procedure. They were placed where they would be guessed likely to fit and frequently not enough planning and thought was given to future functional longevity and cosmetics. Now, with the advancement of digital 3D printing and lab expertise, a dental implant can replace missing teeth with pinpoint accuracy, minimum discomfort, and beautiful cosmetics.

Adoption of 3D printing for dental manufacturing is constantly growing. Many laboratory professionals have discovered what clinicians have been slower to recognize: that 3D printing of dental models is faster, more economical, predictable, consistent, and accurate. Return on investment can be incredible if a team approach is adhered to.

The Challenge
Located in the Netherlands, Oratio B.V. was one of the pioneers of CAD/CAM design technology for producing dental restorations straight from CAD design imagery.

With excellent experience in services and positive signs from the market, Oratio found itself in an optimal position for initiating growth. At the same time, the company needed to streamline its business. It required a system that could improve throughput without compromising its high standards and without costly expansion of the company’s technician staff and facilities.

Case Study
Company: Oratio B.V.  
URL: www.oratio.nl  
Location: Netherlands  
Industry: Dental

Challenges
• Replace slow and inaccurate manual production process
• Improve and expand control over the complete implantology workflow
• Raise throughput and reduce turnaround times

Solution
• Objet Eden260V 3D Printer

Results
• Near-immediate, significant growth in business
• Higher productivity and lower production costs
• Improved accuracy for implants and other restorations, with faster turnaround time

“Growth arrived almost immediately after we installed the Objet 3D Printer. We increased our productivity and as a result we can provide new solutions for implantology.”
Siebe van der Zel  
COO, Oratio B.V.

Making Digital Dentistry Happen

3D Printing Solutions for Digital Dentistry

• Print stone models, veneer try-ins and delivery trays, surgical guides, denture try-ins, orthodontic appliances and more
• Produce parts faster with superior accuracy and resolution
• Eliminate manual work and improve efficiency

Objet Eden260V 3D Printer

Find out how Objet 3D Printing can transform your dental business today.
www.objetdental.com • dental@objet.com