

# Digital Dentistry Solutions

Advanced digital workflows driving new levels of speed, efficiency and precision at lower cost for a range of dental applications



Digital dentistry is changing the shape of the dental industry, as scanners, software and 3D printing solutions and materials come together in new workflows. 3D Systems offers a broad range of clinically validated technologies and materials that allow dental labs to access advanced digital workflows, driving speed, efficiency and precision of a range of indications delivered to patients.

# Grow with 3D Systems

From simple-to-use entry-level dental 3D printers and mid- and large-platform batch 3D printers, to the rapidly scalable NextDent 5100, plus a large range of NextDent® materials, powerful 3D Sprint® software and integration with key 3D dental scanner and software solutions, 3D Systems stands alongside you as your business grows.

Rely on our teams of experts, material scientists, application engineers, and experienced resellers for training and support to empower innovation and deliver streamlined digital workflows.

## NextDent Materials

Integrate our advanced materials and automated print workflows into transformative digital production solutions delivered to the dental practice and laboratory. It is the broad choice you have in printable materials for a wide range of dental applications that makes NextDent materials unique.

- 30 unique NextDent materials offered in a variety of aesthetic colors
- NextDent 3D printing materials for medical devices are biocompatible and CE certified (CE certification is pending for NextDent Denture 3D+) in accordance with Medical Device Directive 93/42/EEC, listed at FDA, and registered in various other countries.
- Produce trays, models, surgical guides, dentures, orthodontic splints, crowns and bridges



## NextDent 5100

Powered by revolutionary Figure 4 technology, the NextDent 5100 high-speed 3D printer addresses the broadest range of applications, redefining the dental workflow for unparalleled accuracy, repeatability, productivity and total cost of operation.

- Trusted end-to-end workflow
- High accuracy, within 50 microns
- Portfolio of 30 unique NextDent materials



## FabPro® 1000 for Dental Applications

The entry level FabPro 1000 3D printer for dental applications produces high quality parts with precision and smooth surface finish, combined with ease of use and low operating costs.

- Increased output by illuminating the whole platform layer by layer
- Plug and play simplicity and 3D Sprint software for print preparation and management
- Compact design, industrial-grade for production



# DMP Dental 100

Metal 3D Printer for manufacturing small, dense, complex dental prostheses with excellent surface quality and short post-processing at high productivity. Dental laboratories can now eliminate various steps and substantially reduce unit cost per partial, while maintaining or increasing quality.

- Complete solution (printers, certified materials\*, software and application support)
- DMP Dental – high-performance software solution from dental file to production
- Short heat treatment and less finishing
- Print more than 90 crowns within under 4 hours, in one single print-run



\*3D Systems' CoCr Dental powder is certified as medical device in compliance with 3 local regulations: Europe (CE marking), USA (FDA registered), Canada (Health Canada homologated)

# ProJet® MJP 2500 Plus

With excellent edge fidelity, smooth and hard low-friction matte surfaces, the ProJet MJP 2500 Plus Multijet printer utilizes Visijet® M2R-TN tan material to produce accurate dental models, for easy detail visualization, in a fast, effective and economical design-to-part process.

- $\pm 50\mu\text{m}$  accuracy on 80% of global surfaces for perfect fit
- Easy hands-free melt-away wax support structures
- Fast day batches to large overnight high-volume batches



# ProX® 800

This workhorse SLA printer offers unrivaled precision and surface quality, with even greater speed, cost-efficiency and reliability for dental models and drill guides batch production.

Dental models for thermoformed aligners use-case:

- 176 parts in a matter of hours
- Reduced cost per model
- Gold standard validated materials



# Redefining Business Success in the Dental Industry

## DRIVING COMPETITIVE ADVANTAGE INTO YOUR DENTAL PRODUCTION

3D Systems offers the industry's widest range of clinically-validated 3D printing materials and technologies that allow dental labs and clinics of every size to drive productivity, efficiency, precision and cost savings for a wide range of dental applications.

## DEVELOP MANUFACTURING EFFICIENCIES

Use predictable, reliable and repeatable 3D workflows from patients' mouth to finished part. With 3D Systems, find out how "less is more" by streamlining the production process to become more productive and lower total cost of operation to fulfill client orders faster and more accurately.

## BUILD TOP LINE REVENUE

Build top line revenue with faster 3D printed applications and reduce bottom line dental part production costs.

## GROW YOUR REPUTATION

Deliver superior quality dental applications and faster turnaround time. As your business grows, be able to quickly and seamlessly scale up your production output in partnership with 3D Systems' team of dental production experts. Benefits also extend to the patient by reducing the time it takes and number of visits, as well as better fit and predictability.



### IMPLANTOLOGY



### DENTURES



### ORTHODONTICS



### PROSTHODONTICS



## COMPREHENSIVE 3D DIGITAL DENTISTRY PORTFOLIO

3D Systems delivers the industry's broadest range of materials and 3D printing solutions validated for the dental industry, including orthodontics, prosthodontics, implantology and dentures. With 3D Systems' portfolio of NextDent materials, dental labs and clinics have access to the industry's largest range of materials for dental applications.