

3D Printing Materials for Dental Applications





3D Systems’ 3D Printing Materials for Dental Applications

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NextDent 5100 & NextDent LCD1

Combined with a portfolio of 30 unique NextDent 3D printing materials — the largest number available from any material supplier — the NextDent 5100 and NextDent LCD1 address multiple dental applications. These materials are offered in a variety of aesthetic colors to closely match patients' teeth and gums.



NextDent Model

Precise and accurate models

- Prosthodontic and Orthodontic models
- No pre-mixing of resin
- No particle sagging in resin tray
- Optimized print quality
- Non-shining surface for optimized aesthetics

Available in shades Grey,
Peach, White, and Sand



NextDent Model 2.0

Detailed, high-precision models

- Prosthodontic and Orthodontic models
- Highly visual details due to color and opacity
- Ideal surface for scan impressions
- High degree of accuracy

Available in shades Grey,
White, and Peach



NextDent Model Ortho

Orthodontic models

- Low contrast, more reflective surface, developed for thermoforming
- Optimized print quality
- Comparable material properties to Model 2.0
- Enables larger throughput and high productivity
- Economical solution

Available in shade Orange



NextDent SG (Surgical Guide)

High-precision transparent drilling template

- 3D print surgical guides for dental implant surgery use
- Easy to insert drill sleeves directly after printing
- Enables greater precision during surgery
- Properties do not change by using disinfectant
- Use of autoclave doesn't affect dimensional stability, allowing for use in every operating theatre

Available in shade Translucent Orange



NextDent Gingiva Mask

Flexible parts of models

- Flexible material
- To be used in combination with model materials
- For printing parts of models that need more flexibility, such as implant models

Available in shade Pink



NextDent Base

Removable denture bases

- High break resistance
- Flexibility for partial dentures
- 4 colors matching the most popular gum shades for improved aesthetics
- Accurate and repeatable printing results

Available in shades LT, 5, 7, and 10



NextDent C&B MFH

Crowns and bridges for long-term temporary use

- Biocompatible material for crown and bridges
- Easy to finish and polish
- Offered in a variety of aesthetic colors

Available in shades BL, N1, N1.5, N2, N2.5, and N3



CROWNTEC™ for NextDent

Permanent crown material

- Premium composite resin for biocompatible permanent restorations
- Crowns, inlays, onlays, veneers, and artificial teeth
- Total shelf life 4 years

Available in five shades: SW, B1, A1, A2, A3



NextDent Ortho Flex

Dental splints and retainers

- Clear and transparent look
- High break resistance, high accuracy, and a high degree of flexibility
- Excellent print quality
- Long-term stability

Available in shade Clear



NextDent Ortho Rigid

Dental splints

- Biocompatible Class IIa material
- 3D print hard and rigid dental splints

Available in shade Transparent Blue



NextDent Ortho IBT

Flexible material for orthodontic applications

- Biocompatible material
- Plan the exact location of orthodontic brackets using dental software
- Easily place all brackets at once

Available in shade Clear



NextDent Try-In

Biocompatible printable material for try-in

- Biocompatible material
- For printing try-in devices (baseplate with individual designed tooth set up) to check bite registration occlusion

Available in shades TI0, TI1, TI2



NextDent Cast

*Residue-free combustible
3D printing material*

- Improved easy burn out 3D printing material
- Residue-free and suited for support structures, frames, or orthodontic devices
- Higher elongation, improved combustion and printability for enhanced stability

Available in shades Blue and Pink



NextDent Tray

*High-quality material for
3D printing trays*

- High printing speed and accuracy
- Enables technicians to make complex trays in minutes
- Suitable for all types of impression material
- Makes high-quality, high-precision impressions possible

Available in shades Blue and Pink



NextDent 300

Multi-material solution for highly aesthetic monolithic dentures in a single print with clean and simple post-processing.



NextDent Jet Base

Base material for multi-material, monolithic jetted dentures

- Biocompatible
- Formulated for an ideal balance of flexibility and strength
- High fracture resistance
- Non-brittle

Available in shades LT, DP, LP, RP

NextDent Jet Teeth

Teeth material for multi-material, monolithic jetted dentures

- Biocompatible
- Digital mixing of Yellow and White shades for custom color-matching
- Hard and rigid, optimized for teeth

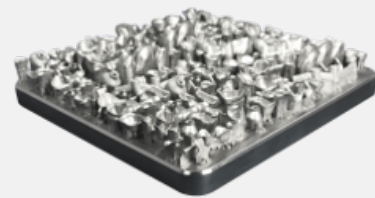
Available in shades Yellow and White for digital mixing of dental shades BL, A1, A2, B1, B2, B3



DMP Flex 200

Professional and precise metal 3D printer with the perfect footprint and productivity for dental labs and production centers. For printing metal crowns, bridges, and other dental prostheses.

Contact an authorized reseller for information on available compatible materials.



ProJet MJP 2500 Plus

Single material Jetting solution, enabling highly detailed and precise dental models with streamlined and clean post processing.



VisiJet® M2R-TN

Stone-like rigid plastic

- Produce accurate prosthodontic and thermoforming models
- Excellent edge fidelity
- Low-friction matte surfaces



Available in shade Tan

SLA 750 and SLA 825 Dual

Scalable, high-speed 3D printing
for dental production centers.



Accura[®] Ortho White

*Orthodontic models for clear aligner
thermoforming*

- Production-grade stereolithography (SLA) material
- Massive throughput: over 1,200 arches per day, per machine
- Superior accuracy and repeatability
- Reduced material usage
- Fast, clean post-processing

3D Systems and NextDent materials are available across the globe!

Find the **authorized reseller**
closest to you



Scan here for a full list of compatible
3D printers for each material



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Notes

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