



JOHN
WINTER

NextDent®



NextDent™ 5100

Revolutionary high-speed Figure 4 3D printing technology combined with the industry's broadest portfolio of dental materials addressing multiple applications, resulting in unparalleled accuracy, repeatability, productivity and total cost of operation.

DIGITAL DENTISTRY REDEFINED

Powered by Figure 4™ technology, the NextDent 5100 facilitates high-speed 3D printing for the production of dental appliances and sacrificial castings. This revolutionary solution features an industry-defining value proposition that combines best-in-class speed and performance at a price point that is accessible to virtually all labs and clinics.



The range of dental materials, advanced print technology and compatibility with leading dental software is transforming dental workflows, enabling dental labs and clinics to produce trays, models, surgical guides, dentures, orthodontic splints, crowns and bridges with enhanced speed, precision, efficiency and lower cost.

LC-3D PRINT BOX

A revolutionary light box, suitable for post-curing 3D printing materials. Equipped with 12 UV light bulbs strategically placed to ensure a product is illuminated from all sides for a quick and uniform curing cycle.

Post-curing is required to obtain the final material properties. This procedure is a necessary step to produce a biocompatible end-product. Always follow the instructions for use relevant to the corresponding material.



NONSTOP PRINTING

A roller/tilting stirring device for mixing 3D printing materials before pouring in the resin tray of the printer. Print resins must be mixed well. Handshaking is insufficient for highly filled and coloured materials. When mixed insufficiently colour deviation and print failures may occur.

The NextDent LC-3D Mixer keeps your NextDent 3D Materials ready for use at any time at an optimum consistency.



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Build volume	124.8 x 70.2 x 196mm (4.9 x 2.8 x 7.7 in)
Production time for full arch model	40 minutes to print a plate full of models
Accessories	LC-3DPrint Box UV post-curing unit (not included), Pedestal (not included), LC-3D Mixer (not included)
Certifications	FCC, CE, EMC
Warranty	12 months manufacturer’s warranty included. 12 to 24 month extended warranty options available.

ACCESORIES

	LC-3D Print Box	LC-3D Mixer
Dimensions (W x H x L)	41 x 44 x 38cm	410 x 270 x 100mm
Weight	22kg	4kg



CERTIFIED AND BIOCOMPATIBLE MATERIALS

Combined with a portfolio of 30 unique NextDent biocompatible materials—the largest number available from any material supplier—the NextDent 5100 addresses multiple dental applications. These materials are offered in a variety of aesthetic colours to closely match patients’ teeth and gums. All NextDent materials are biocompatible and CE-certified, FDA listed and classified in accordance with the international medical device regulations.

TRUSTED END-TO-END WORKFLOW

Fully compatible with industry standard intra-oral scanning and software solutions, the NextDent 5100 delivers precise results every single time with minimal human intervention. Combine the printer with other 3D Systems dental solution components to create a comprehensive and trusted workflow. This includes the NextDent LC-3D Mixer for optimal stirring of materials, and the NextDent LC-3D Print Box for UV post-curing.

EXPERIENCE YOU CAN COUNT ON

3D systems has leveraged its 30 years of 3D printing experience in conjunction with the leading developer of biocompatible dental 3D printing materials to deliver the NextDent 5100 solution. This complete solution represents industry-defining materials and print innovation, dental domain expertise and regulatory compliance in all major markets to revolutionise your workflow.