

Definitive Crowns

3D printed crowns, chairside

SprintRay is revolutionizing restorative dentistry with a complete solution for 3D printing definitive crowns in your office. The SprintRay Crown solution combines three industry-first products: automated design, a new class of resin, and new production hardware.

Introducing a smarter way to deliver chairside crowns.



THE CHAIRSIDE 3D PRINTED
CROWN

What's Included



SprintRay Crown Resin

A breakthrough hybrid resin filled with ceramic. Class II medical device for definitive crowns, onlays, inlays and veneers. The SprintRay Crown resin is compatible with Pro and Pro S 3D Printers.



Crown Kit Hardware

A redesigned tank and build platform allow you to print up to 6 crowns in 15 minutes while reducing resin waste. Designed for Pro S.

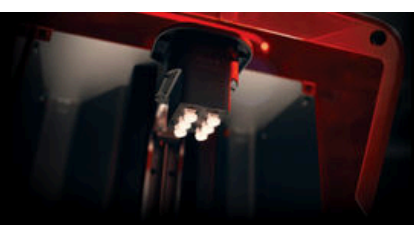


Crown Design

Cloud Design Service with a turnaround time of 24-48 hours. Upload prep scans, approve the treatment plan, and print. It's that simple.

Why SprintRay Crown?

- Dominant formulation for strength, reliability, and aesthetics
- 3D print a definitive crown in as little as 15 minutes
- Part of a complete chairside restorative 3D printing ecosystem from SprintRay





SprintRay Crown

Strong, precise, durable crowns

Scientific Studies [↗](#)

SprintRay Crown is a ceramic-filled hybrid material for 3D printing of single crowns, inlays, onlays and veneers. Easily finished and polished using traditional methods, this material offers excellent esthetics that conform to existing teeth.

High strength and resistance to wear make SprintRay Crown a go-to material for restorative 3D printing. And because SprintRay Crown is FDA 510(k) cleared and fulfills all the requirements for a Class II medical device, you can place your trust in the resin and focus fully on the treatment.

SprintRay Crown is available in seven shades: A1, A2, A3, B1, B3, C2, and D3. Available for sale in the US, EU, UK, and EFTA.



SprintRay Crowns

Deliver outstanding value without sacrificing quality.



45 Minute Delivery

Increase case acceptance by offering same-day delivery thanks to AI design and the Pro S Crown Kit.



Proven Materials

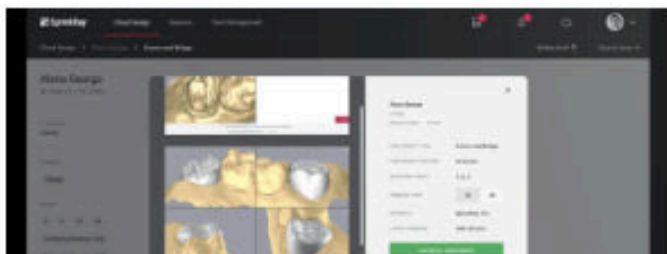
Discover a new class of ceramic-filled resin designed for definitive 3D printed restorations. SprintRay Crown resin is approved for crowns, onlays, inlays and veneers.

The 45-Minute Crown Workflow



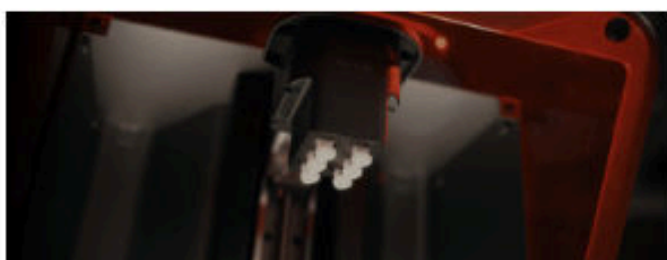
1. Scan

Use any scanner to capture the post-prep anatomy of your patient. SprintRay has partnerships with major scanner brands, but our ecosystem accepts files from any manufacturer.



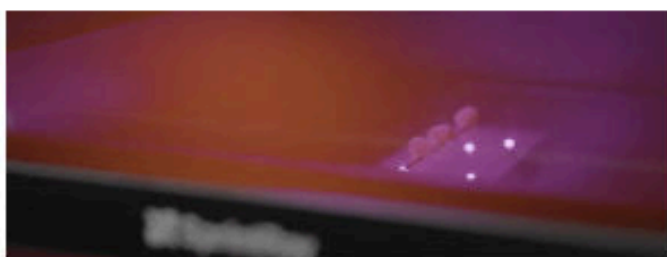
2. Design

Use our SprintRay Cloud Design to get a fast quality design. Upload your scan files and get a posterior crown design in 5 minutes or less.



3. 3D Print

With the Pro S Crown Kit, you can 3D print crowns in as little as 10 minutes without sacrificing the anatomical detail or aesthetics of the restoration.



4. Wash & Cure

Submerge the crown in a small bowl of IPA, then brush to remove all residue. Dry the part with compressed air and a clean paper towel. Place it in ProCure 2, and select the 'SprintRay Crown' curing profile.



5. Wash again & Characterize

Submerge the crown in a small bowl of IPA, then brush to remove all residue. Dry the part with compressed air and a clean paper towel. SprintRay Crown can be characterized and glazed using common glaze kits or polished to the patient's aesthetic needs with a lab handpiece and a lathe.



6. Delivery

Use an adhesive, followed by a resin-based cement for luting the crown to the prepped tooth. Sand-blasting the intaglio surface of the crown before using the adhesive is highly recommended.





Chairside Crown Solution

The Crown Kit

Crown Kit uses a very small build platform and custom resin tank to maximize print speed, even with highly viscous ceramic resins. When paired with SprintRay Ceramic Crown resin, you can print up to 6 crowns in less than 10 minutes.

