

CERAMIC CROWN

THE CHAIRSIDE SOLUTION FOR DEFINITIVE CROWNS IS HERE



New material innovations from SprintRay have made it possible to 3D print **Ceramic Dominant** restorations chairside.

Introducing SprintRay Ceramic Crown, a new hybrid nanoceramic, FDA-cleared Class II resin for definitive full crowns, partial crowns, and veneers. Ceramic Crown is a **Ceramic Dominant** material, meaning it is formulated with more than 50% inorganic ceramic content, and is radiopaque for clear visibility in radiographs. High strength and resistance to wear make SprintRay Ceramic Crown a go-to material for definitive 3D crowns. This material is easy to finish and polish and features excellent aesthetics to blend with existing teeth.

SprintRay Ceramic Crown is launching as part of the world's first full ecosystem designed for 3D printing same-day, definitive crowns with total end-to-end production time in <45 minutes.

KEY FEATURES

- ✓ FDA Cleared. Ceramic Dominant Formulation (CDT code qualified)
- ✓ Radiopaque
- ✓ Smooth surface finish
- ✓ Excellent marginal fit and wear resistance

FLEXURAL STRENGTH (MPa)

SprintRay Ceramic Crown	Leucite Glass Ceramic ¹	Natural Dentin ^{2,3}	Lithium Disilicate ⁴	Other 3D printed hybrid resin ⁵
136	150	150–250	500	116

FLEXURAL MODULUS (GPa)

SprintRay Ceramic Crown	Leucite Glass Ceramic ¹	Natural Dentin ^{2,3}	Lithium Disilicate ⁴	Other 3D printed hybrid resin ⁵
7.5	32	12–21	80	4.1

SHEAR BOND STRENGTH⁶

Measures the adhesion of dental adhesives to a restoration

SPRINTRAY CERAMIC CROWN	34.7 MPa
LITHIUM DISILICATE	36.8 MPa

- A1** 250g **SRI-0202057**
- A2** 250g **SRI-0202086**
- A3** 250g **SRI-0202087**
- B1** 250g **SRI-0202058**
- B3** 250g **SRI-0202088**
- C2** 250g **SRI-0202089**
- D3** 250g **SRI-0202090**
- Bleach** 250g **SRI-0202056**



Compatible with Pro S Crown Kit, a compact build platform and resin tank designed to print up to 6 single unit crowns in as little as 10 minutes.

1. Awada et al. J Prosthet Dent. 2015.114(4); 2. Plotino et al. Dent Mater. 2007.23(9); 3. Marending et al. J Endod. 2007.33(11); 4. Al-Thobity et al. Saudi Dent J. 2021.33(7); 5. Grzebieluch et al. Materials (Basel). 2021.14(17); 6. Scientific study conducted at UAB School of Dentistry, 2023; Bonded according to material IFU