

Ultracur3D®

Reactive Urethane Photopolymer

Ultracur3D® is a range of leading-edge photopolymer solutions by Forward AM for your specific application requirements. This extensive portfolio covers a very broad spectrum of applications and performance characteristics in additive manufacturing with flexible, tough and rigid materials. Rely on Ultracur3D® to deliver the right performance for your individual application needs.

Benefits at a Glance

- Impeccable quality of printed parts
- Optimal texturing ability
- Outstanding surface finishing
- Increased production output rate

Example Applications

- High performance prototype prints
- Fully functional end-use parts

Our Ultracur3D® Product Range



Flexible/Elastomeric
Ultracur3D FL/EL



High Impact
Ultracur3D ST

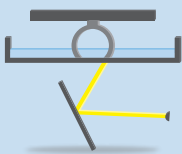


Rigid
Ultracur3D RG

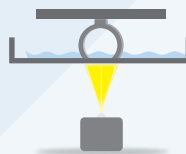


Dental
Ultracur3D DM

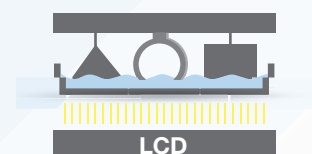
Overview of Photopolymer Technologies



SLA
Stereolithography provides optimal capabilities for the creation of detailed large parts, either bottom-up or top-down.



DLP
Digital Light Processing provides unique capabilities for quickly printing detailed, large as well as small, complex parts.



LCD
Liquid Crystal Display provides the opportunity to replace low & medium series injection molds with large parts.

Ultracur3D®

Product Portfolio: Technologies & Characteristics Rating

		Flexible	Tough	Rigid	Dental
		Ultracur3D® FL 60 Ultracur3D® EL 60 Ultracur3D® FL 300* Ultracur3D® EL 150*	Ultracur3D® ST 45 Ultracur3D® ST45 B Ultracur3D® ST45M Ultracur3D® ST 80*	Ultracur3D® RG 35 Ultracur3D® RG 50*	Ultracur3D® DM 2505* Ultracur3D® DM 2304*
Technology	SLA**	★	★	★★★	★★
	DLP/SLA***	★★★	★★★	★★★	★★★
	LCD	★★★	★★★	★★	★★★
Characteristics	Long Term Stability	★★	★★★	★★★	★★
	Stiffness		★★	★★★	★★ Dental Model
	Toughness		★★★	★	★ Dental Model
	Elongation	★★★	★★	★	★★★ Gingiva Mask

*Pre-Market Phase, sample on request

**Top down (Vat) SLA

***Bottom-up (Desktop) SLA

★ Low
★★ Medium
★★★ High