News Release

Ultra-Lightweight SLA Models, ID-Light™

This SLA product is created using a proprietary laser-scanning pattern and post-processing methods; it is ideal for large appearance models.

Industrial Design Light (ID-Light™) is a trademarked technology offered only by Solid Concepts. This light-weight SLA product is created in a way that produces a thin outer shell (about 0.030 to 0.040") used to encase a drainable rigid inner scaffolding-like matrix. ID-Light™ parts are between 80 and 92% lighter than solid SLA parts depending on geometry. They also build faster than solid SLA parts.

This product has received excellent acceptance for large appearance models for office products, furniture, entertainment models (see 6' 4" "ZoomR" superhero figure below), art, and architecture. Professionals in the entertainment industry said that they would need to "move heaven and earth" to fabricate ZoomR in four weeks. Solid Concepts built, assembled, and painted ZoomR in less than two weeks. Plus, it was less expensive to ship.

Basic product offerings include:

- SLA ID-Light with proprietary semi-hollow lattice with paint options.
- Parts built with custom formulated SC1000 photopolymer for quick builds and drainage for rigid, accurate geometries.
- A two-part urethane paint option for increased rigidity and impact strength, also offered with non-cosmetic paint or primer only.

Product Advantages & Disadvantages

+ Builds faster, costs less than solid SLA models.
+ Lighter weight than solid SLA models.
+ Lighter weight than CNC (10 lb foam) for most geometries.
+ Harder outer shell than 10 and 20 lb foam (offering better paint surface).

- **Not** intended for structural applications (will break with impact or heavy load).

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Founded in 1991, Solid Concepts supplies rapid prototyping, direct digital manufacturing, tooling and injection molding services. Solid Concepts has grown steadily to a five-facility, multiple technology company known to be a solutions provider with project management and engineering expertise. Capabilities in PolyJet™ high precision 3D printing, Stereolithography (SLA) models and patterns, HDSL (High Definition Stereolithography), Selective Laser Sintering (SLS), Direct Digital Manufacturing, CNC models and patterns, and QuantumCast™ advanced urethane castings, allows for low-volume production of plastic, urethane, and metal components directly from design data, resulting in significant time and cost savings. Capabilities in tooling and injection molding make Solid Concepts a one-stop source to bring concepts from prototype to finished product ready for market. ISO 9001:2008 and AS9100 Rev. B certified.

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