



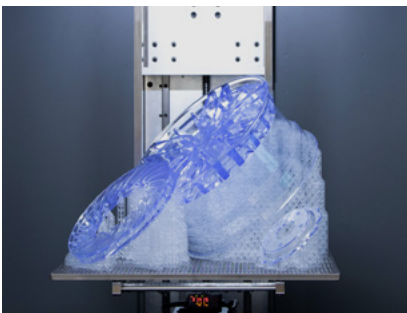
# Neo

## Meet the Neo® – Proven stereolithography 3D printing technology

The Neo 3D printer is designed for building 3D models using the stereolithography (SL) technique, a form of 3D printing technology used for creating prototypes, rapid tooling and master patterns in a layer-by-layer fashion.



Stereolithography 3D printing technology uses a vat of liquid UV-curable photopolymer resin and a UV laser to build parts one layer at a time.



Produce highly accurate parts with unparalleled industry quality.

### What is stereolithography?

Stereolithography, an additive manufacturing process, uses a vat of liquid UV-curable photopolymer resin and a UV laser to build parts one layer at a time.

Using the photopolymerisation process, light causes chains of molecules to link together, forming polymers that make up the body of a three-dimensional solid.

Many industries are investing in stereolithography (SL) 3D printing technology for industrial-scale manufacturing. This is due to the time and cost savings achieved with 3D printing compared to traditional methods of manufacturing.

### Highly accurate part side-wall quality and detail

Build complex parts with smooth finishes due to exceptional layer to layer scan repeatability.

### Reduction in lead times, improving time to market

Curing speeds of SL technology means parts are built faster and as SL produces more accurate parts, it reduces the need for post-processing saving on time and costs.

### Complete design freedom, quick iterations

Parts produced can be customised with complex, intricate designs that can be quickly reiterated and reprinted if changes are required.

### Variety and range of SL materials

SL offers users the ability to produce parts for a range of different applications requiring different properties, all from one technology.

### Reduced reliance on global supply chains

3D printing offers users the ability to localise manufacturing rather than rely on overseas supply chains to get products to market. This reduces carbon footprint, reduces logistic and storage costs, and creates more jobs, locally.

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