Breaking the Speed and Size Barriers

Protogypes are produced within minutes — how Nexa3D is speeding things up.

BACKGROUND

Since its founding in 1980, HAUX-LIFE-SUPPORT has stood for outstanding technical performance, innovation, quality and reliability. The company develops and manufactures state-of-the-art systems and equipment, provides tailor-made solutions for customers, and has more than 1,500 hyperbaric HAUX systems delivered worldwide. Over the past almost 4 decades, HAUX-LIFE-SUPPORT has become the world market leader in the fields of medical, tunneling, and diving technology.

The company needed to produce high and low preassure equipment for medical applications and diving bells for under water applications. The medical devices are used to treat certain illnesses; diving bells are used to rescue divers, for example, who had an accident under water and cannot rise above sea level).

CHALLENGES / NEEDS

Most units that the company produced that were “made in Germany” were for certain projects and specifically designed for the application. The company had a set of standard parts, but needed many individual parts (1-500) to finish the project.

Many of these parts were very complex and needed to be 3D printed. Only parts printed with the Nexa3D NXE 400 gave them the speed, precision and reliability to finish the projects on time.

Industry

Technology/Medical

Product

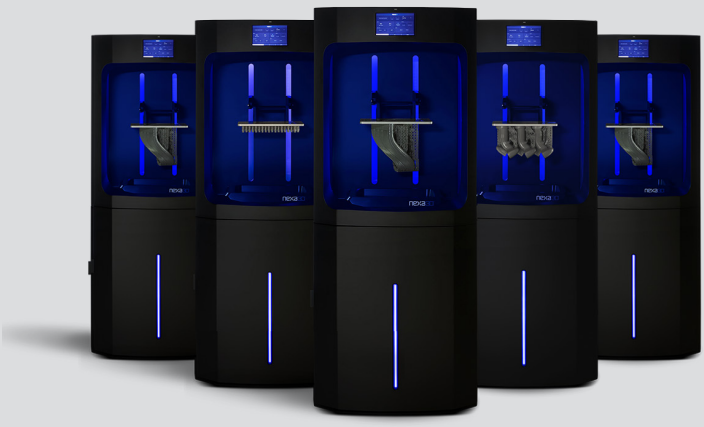
3D Printer NXE 400

Advantages

- Highest Speed in the Industry
- Injection Molded-Like Accuracy
- Surface Resolution
- Ease of Use

“With Nexa3D’s innovative NXE 400, we were able to produce functional end use parts at a very high speed with great precision and reliability.”

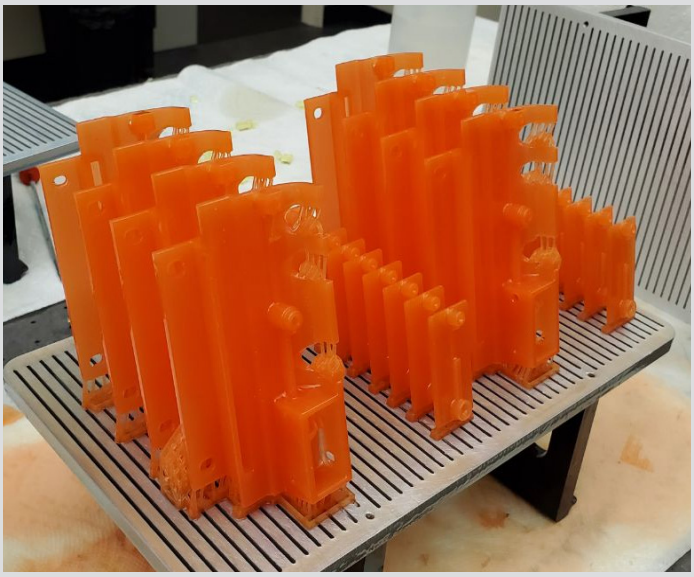
– Mr. Paul Ziegenhagel

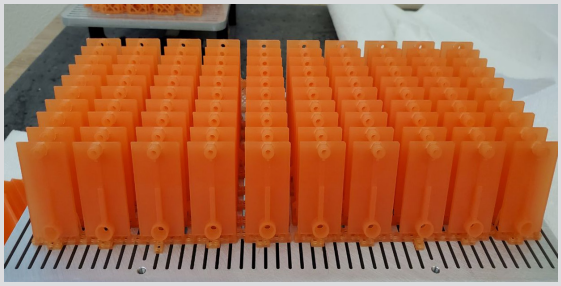


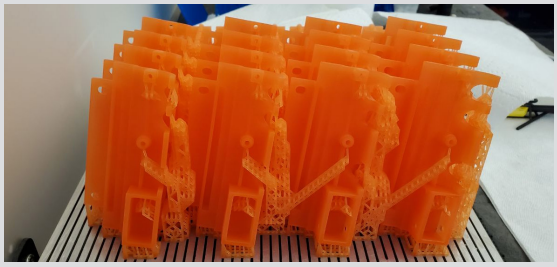
NXE 400

SOLUTIONS

Nexa3D's unique LSPc technology breaks the speed barrier by actively overcoming the traditional speed limiting factors of traditional SLA without compromising accuracy and resolution. With the parts printed on the Nexa3D NXE 400, HAUX







produced prototypes within minutes. They were also able to produce the end use parts in the 100 to 500 range within less than a day.

RESULTS

Boasting 6 times the speed and 2.5 times the volume of all other comparable 3D printers on the market, the Nexa3D NXE 400 gave HAUX the ability to create prototypes fast. In addition, the parts produced were functional end use parts, making it possible to meet demanding shipping deadlines.