

# PRECISION METAL PRINTING SOLUTIONS

Discover a streamlined 3D metal printing solution designed for increased productivity, high repeatable part quality and low total cost of ownership. See how you can make it possible.



## ProX<sup>®</sup> DMP 320 Printers

- Produce uniform, high-quality metal parts with superior, consistent mechanical properties.
- Vacuum-assisted process for lower oxygen levels less than 25 ppm to improve mechanical properties and full material usage.
- Faster **inerting cycle of 15 minutes** and significantly lower argon usage.
- Factory-proven, workflow-oriented design for high productivity from CAD file to printed product.
- Quick turnaround times, a fast deposition system, stable mechanical properties and low total cost of ownership.

## 3DXpert<sup>™</sup> Software

- Use a single, **all-in-one software for the entire metal additive manufacturing workflow**—from preparation, to simulation and print.
- Work in a hybrid CAD environment to maintain original part integrity and easily make changes.
- Advanced surface lattice and micro-lattice structures help you optimize your part for print while reducing part weight and material usage.
- Minimize build tryouts and cut production costs using an integrated build simulation.
- Optimize printing strategies to shorten print time and ensure quality.



## LaserForm<sup>®</sup> Materials

- Choose from different metal materials including titanium alloys, cobalt chromium alloys, stainless steel, maraging steel, aluminum alloys and nickel super alloys.
- Build parts with lightweight, high-strength design, part consolidation and functional integration features, improved fluid and gas flow performance and porous structures.
- Material properties and parameters are developed and extensively tested for repeatable, mechanical stability and consistent accuracy.
- Feature specific **layer thicknesses ranging between 30-90µm** to optimize both precision and productivity.

## Customer Innovation Centers— Expert Application Support

- Create high-quality metal parts using our **application expertise on 500,000 parts produced per year**.
- Become printer-proficient with our in-house customer training modules and advanced application support and development.
- Benefit from a 4-step standardized and trackable process for high-quality benchmarking.
- Our certified ISO 9001/13485 global facilities can handle batch manufacturing requests and help manage production peaks as you start your own metal printing process.



**IT'S TIME TO WORK SMARTER.**

See the difference our precision metal printing solution can make.

Talk to a 3D metal printing expert to learn how to implement our four-part solution into your manufacturing process.