**LENS® 860 HYBRID OPEN ATMOSPHERE SYSTEM**

Larger Work Envelope & Higher Power Bring More Capabilities for Affordable, High Quality Metal Hybrid Manufacturing.

The LENS 860 is the newest model in the affordable Optomec Hybrid system line-up. With an 860x600x610 mm work envelope the system enables additive and subtractive manufacturing of mid-size and large parts. The LENS 860 Open Atmosphere System utilizes Optomec industry proven LENS Print Engine technology seamlessly integrated into a CNC platform upgraded with a Class 1 Laser Safe enclosure. The LENS 860 can be configured with a high power 3 kW fiber laser reducing manufacturing time for building, repairing or coating parts.

Built on a rugged CNC platform, the system features a 16 tool ATC and an 8,000 or optional 10,000 RPM spindle for machining operations. The base LENS 860 system is equipped with a 3-linear axis motion system, but optionally can be delivered with a user interchangeable rotary table and/or tilt-rotate trunnion for 4 and 5 axis for additive and subtractive metal processing. The system is ideally suited for processing stainless and tool steels, nickel based alloys, cobalt, tungsten and other non-reactive metals.

A Siemens controller manages the system’s additive and subtractive functions through an easy to use HMI. Powerful Optomec software enables multi-axis build strategies that combine additive and subtractive operations in a single tool path program. Optional material starter recipes and unparalleled customer service and support round out the LENS 860 Hybrid Open Atmosphere System.

**LENS® 860 HY OA FEATURES**

- Large Build Volume – process larger parts
- Rugged CNC Base – affordable system platform
- Full CNC Machining Capability – finished parts in one set-up
- Full LENS Additive Capability – industry proven technology
- Up to 5 Axis Motion – for complex parts/repairs
- High Power Laser – faster processing
- Closed Loop Controls – part to part consistency
- Common materials: Inconel Alloys, Stainless Steels, Cobalt, Tungsten

**LENS APPLICATIONS**

- Hybrid Manufacturing
- Finished Functional Prototypes
- Repair damaged/worn parts
- Restore mis-machined components
- Remanufacturing of legacy parts
Optomec® is a privately-held, rapidly growing supplier of Additive Manufacturing systems. Optomec’s patented Aerosol Jet Systems for printed electronics and LENS 3D Printers for metal components are used by industry to reduce product cost and improve performance. Together, these unique printing solutions work with the broadest spectrum of functional materials, ranging from electronic inks to structural metals and even biological matter. Optomec has more than 300 marquee customers around the world, targeting production applications in the Electronics, Energy, Life Sciences and Aerospace industries. For more information about Optomec, visit http://www.optomec.com.

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