LENS® MACHINE TOOL SERIES

LENS 3D Hybrid 20 Open Atmosphere System
Value Leading Machine Tool for Hybrid Additive and Subtractive Metal Processing.

The LENS 3D Hybrid 20 Open Atmosphere System sets a new price to performance standard for combining additive and subtractive manufacturing in a single machine tool. The system utilizes Optomec industry proven LENS Print Engine technology seamlessly integrated into Class 1 Laser Safe CNC platform. The system is ideally suited for processing stainless and tool steels, nickel based alloys, cobalt, tungsten and other non-reactive metals.

Built on a rugged cast iron CNC platform, the system features high precision ball screws, spindle, and ATC for precision machining operations. Additive functionality is enabled with integrated Optomec LENS technology including Steadyflow™ powder feeders, water-cooled LENS processing head with interchangeable powder delivery nozzles, and SmartAM™ closed loop controls. A high power fiber laser and advanced Siemens controls complete the system.

LENS FEATURES

- Cast Iron CNC Platform – affordable rugged base
- 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
- Fiber Laser – high performance/reliability
- Closed Loop Controls – part to part consistency
- Common materials: Tool and Stainless Steels, Inconels, Hastelloy, Stellite,
- Tungsten Carbide

LENS APPLICATIONS

- Hybrid and/or Additive Manufacturing
- Finished Functional Prototypes
- Repair damaged/worn parts
- Restore mis-machined components
- Remanufacturing of legacy parts
ABOUT OPTOMEC

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.