

ExOne

Nothing less than the future of manufacturing being developed in North Huntingdon. ExOne is a total manufacturing solution provider partnering globally with its customers to facilitate the transition from conventional to additive manufacturing.

Digital part materialization (DPM) transforms engineering design files directly into fully functional objects. And because the component is formed layer by layer, geometries not previously possible to manufacture can now be designed to enable cooling, heating, filtration, porting, venting, nested cores, spiral vents, volute shapes and integration of multiple components as well as to provide



savings in material and weight for prototyping and short run production. The current trend toward smaller features requires processes such as short pulse laser machining that can machine and fabricate on a “micro” scale. These revolutionary technologies can be applied in any field—from aerospace to art, automotive to biomedical.

Digital part materialization is an additive manufacturing process, otherwise known as three-dimensional printing, or 3DP, which materializes an object—or mold for an object—layer by layer out of powdered material, a chemical binder and a digital file.

ExOne offers this revolutionary process through equipment sales and contract services via global Production Service Centers, meeting the customer anywhere on the continuum of needs, and providing virtually unlimited design flexibility and significant time savings over traditional manufacturing methods.