



ADDITIVE MANUFACTURING

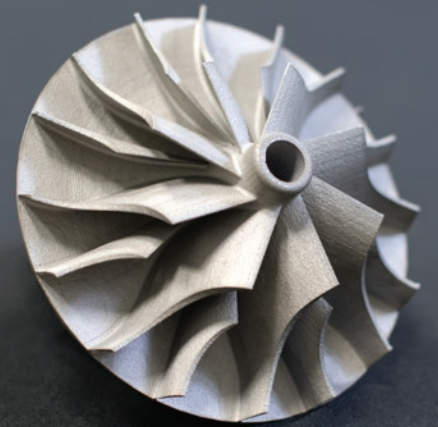
Additive manufacturing is changing the way manufacturing gets done. Prototype and iterate faster, save production time, eliminate cost, and produce complex parts never thought possible. ITAMCO is heavily involved with this technology and is ready to help you achieve your goals.

WE CAN HELP YOU WITH YOUR ADDITIVE MANUFACTURING PROJECT

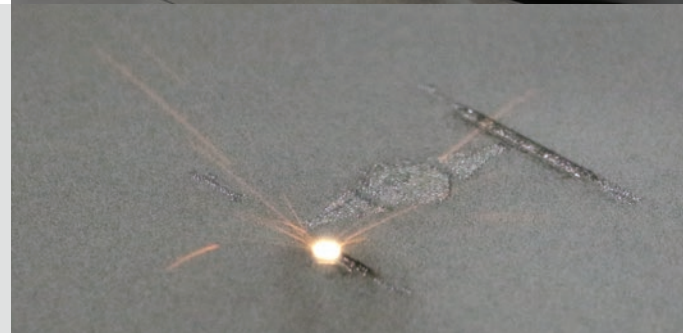
ITAMCO offers a variety of 3D printing options. Whether you need a quick prototype made out of ABS filament or a full-strength metal part, we can do it.

For metal additive manufacturing, we have a EOS M 290. The M 290 is the benchmark for industrial Direct Metal Laser Sintering (DMLS) machines. It builds high-quality metal parts in layers, by melting fine metal powder with a laser. Layering allows for the creation of extremely complex geometries not possible with CNC machining. The system operates in both protective nitrogen and argon atmospheres, allowing a wide range of materials to be used including: light metals, stainless steel, tooling steel, and super alloys.

Need help creating complex end-use parts or need a prototype?
We have the machines, software, and engineering expertise to get your job done.

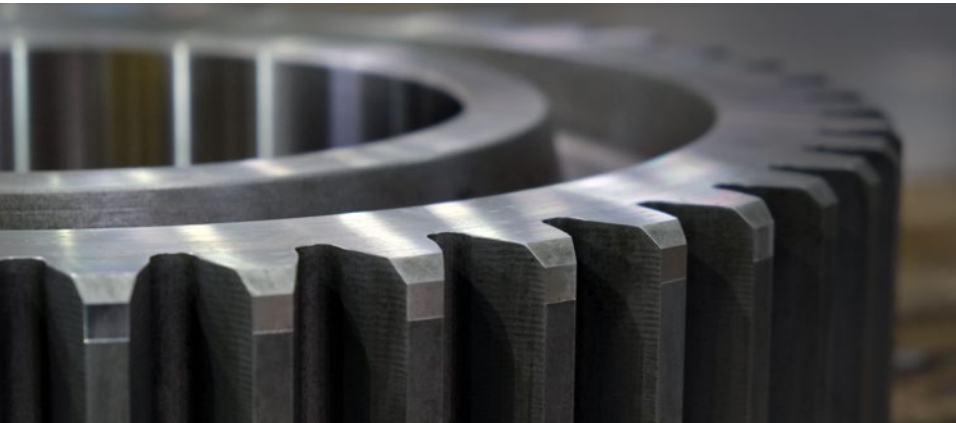


PAST ADDITIVE MANUFACTURING PARTNERSHIPS



ITAMCO'S DMLS CAPABILITIES

- Building volume 250 mm x 250 mm x 325 mm
(9.85 x 9.85 x 12.8 in)
- Laser type Yb-fiber laser; 400 W
- Precision optics F-theta-lens; high-speed scanner
- Scan speed up to 7.0 m/s (23 ft./sec)
- Focus diameter 100 µm (0.004 in)
- Metal Options Ti164, 316L Stainless Steel, AISI10MG,
Ferrium C64 Steel, 17-4PH Stainless Steel,
INCONEL718, and more



DMLS FINISHING

ITAMCO can handle your complete DMLS part from start to finishing needs. Parts directly off a DMLS machine have a raw finish comparable to a cast or a medium turned surface. This surface roughness can be improved all the way up to a super mirror finish. We have several processes available to achieve the desired surface roughness or finish for your part.

NEED A PROTOTYPE OR PROJECT CREATED?

GIVE US A CALL: 574-936-2112

PRIMARY NAICS & CLASS CODES:

- 333612** Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
- 333613** Mechanical Power Transmission Equipment Manufacturing
- 333517** Machine Tool Manufacturing
- 336350** Motor Vehicle Transmission and Power Train Parts Manufacturing
- 336413** Other Aircraft Parts and Auxiliary Equipment Manufacturing
- 336419** Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
- 336992** Military Armored Vehicle, Tank, and Tank Component Manufacturing
- 336999** All Other Transportation Equipment Manufacturing
- 541330** Engineering Services
- 541715** R&D in the Physical, Engineering, and Life Sciences
- 541511** Computer Programming Services
- 541512** Computer Systems Design Services
- 541519** Other Computer Related Services
- 541618** Other Mngmt Consulting Services
- 811310** Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
- 3020** Program Management
- 3040** Iron Works - non-structural - shop Fabricating, assembling or mfg.

