

Additive Manufacturing and Metal Casting Center

Equipment:

ExOne S-Max Sand Printer

ExOne X1-Lab Metal Printer

3D Systems ProX300 Direct Metal Laser Sintering Printer

Hexagon Metrology 3 Meter Romer Arm with Laser Scanner

Voxeljet Systems, VX200 Sand Printer

3D Platform Plastics Printer

5-Axis Kuka Robotic Mold Mill (2nd Qtr. 2017)

Tinker Omega 3DSP Sand Printer (3rd Qtr. 2017)

Capabilities:

Full-service metal casting and additive manufacturing services

Most technologically advanced 3D printing and design center
(partnered with Hawkeye Community College)

New in 2017:

Robot machining addition

Plastics printing expansion

Student engineering center

Since installing the first 3D printer at the TechWorks Campus in Waterloo nearly three years ago, the UNI Additive Manufacturing Center has become the go-to organization to assist with 3D design and printing in the metal castings industry and its supply chain. More than 100 manufacturers and all branches of the military have been assisted with 3D printing services.

Eighty percent of the Metal Casting Center's 3D printing clients are small and medium enterprises (SMEs) and serve as the supply chain for original equipment manufacturers.

These 3D printing resources have not only been noticed by Iowa companies, but companies throughout the nation, and have attracted the attention from two of the four recently created National Network for Manufacturing and Innovation (NNMI) centers located in Youngstown, OH and Chicago, IL as well as the new Air Force Project in Dayton, OH.

