

MABE Maker Lab

Contact: makerlab@utk.edu **Web:** makerlab.utk.edu

The Maker Lab is a University of Tennessee core facility for prototyping needs at UTK and local businesses. We offer low hourly rates, and customers pay directly for material usage.

Additive Manufacturing

Hourly Rates
Internal Rate (UTK) External Rate

Industrial Fused Filament Fabrication (FFF)	\$3.00 \$4.60
<ul style="list-style-type: none">18" x 18" x 32" max build sizeSupport material capabilitiesMaterial offerings include ABS, ASA, PC, PC-ABS	
High Temperature Industrial FFF	\$11.35 \$17.50
<ul style="list-style-type: none">18" x 18" x 32" max build sizeSupport material capabilitiesCapable of fiber filled materialsMaterial offerings include CF-ABS, PEEK, CF-PEEK, PEI 1010, PEI 9085	
Desktop FFF	\$2.30 \$3.50
<ul style="list-style-type: none">9.8" x 8.3" x 8.3" max build sizeGood for cheap and fast prototypes	
Industrial Stereolithography	\$4.50 \$7.00
<ul style="list-style-type: none">5.7" x 5.7" x 7.3" max build sizePost processing, curing, and clean up includedVariety of resins available: clear, tough, flexible, high temperature, and more	
Selective Laser Melting	\$14.00 \$21.50
<ul style="list-style-type: none">10.8" x 10.8" x 12.6" max build size316L stainless steel only	

Subtractive Manufacturing

CNC Machining	\$29.00 \$44.50
<ul style="list-style-type: none">CNC milling and turning capableDirect input on design manufacturabilityAble to process a wide range of materials from metals to fiber filled polymers	
Waterjet Cutting	\$31.00 \$47.50
<ul style="list-style-type: none">26" x 26" cut size, 28" x 30" max stock sizeCan cut tough metals up to a few inches thickAble to process a wide range of materials from metals to fiber filled polymers	

Metrology

Structured Light 3D Scanning	\$14.00 \$21.50
<ul style="list-style-type: none">Able to capture features down to 0.005"Best for smaller detailed objectsGenerate mesh and CAD files	

Contact makerlab@utk.edu for quotes, information, and part manufacturability

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