



# MANUFACTURING Industrial 3D Printing

Quotes@simt.com | simt.sc.gov



## EOS M290

Create sintered parts from a wide range of metals. SiMT is currently running Aluminum.

Build area | 9.8" x 9.8" x 11.8"



## Stratasys Connex 500

Ability to build a fully assembled part with multiple materials at the same time, combining both rubber and rigid polymers.

Build area | 19.7" x 15.7" x 7.9"



## Farsoon Eform

Designed to have the functionality and power of an industrial additive manufacturing (AM) machine.

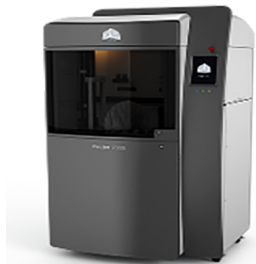
Build area | 8.6" x 8.6" x 12.6"



## Farsoon 403P

SLS printer with the ability to handle medium-sized projects, utilizing a wide range of nylon powders.

Build area | 14.76" x 14.76" x 16.9"



## 3D Systems Projet 7000HD

Delivers part accuracy and surface quality superior to our larger SLA machines.

Build area | 15" x 15" x 10"



## 3D Systems ProX 800

Delivers part accuracy and surface quality equal to the iPro 9000, with a more advanced material.

Build area | 25" x 29" x 21"



## Stratasys Fortus 450MC

Quickly build strong, accurate tools and prototypes using real world thermoplastics.

Build area | 16" x 14" x 16"



## Stratasys Fortus 900MC

Quickly build strong, accurate tools and prototypes using real world thermoplastics.

Build area | 36" x 24" x 36"

The SIMT provides world class services to businesses, organizations, educational institutions, entrepreneurs, inventors, and governmental entities. Our additive manufacturing capabilities include the ability to build with an array of materials: durable plastic, metal parts, and prototypes suitable for real-world testing. Our additive technologies offer a new set of solutions to swiftly improve conventional manufacturing, prototyping, and product development.

For more information: 866.304.SIMT(7468) | Quotes@simt.com | Visit [simt.sc.gov](http://simt.sc.gov) to learn more

# SiMT Industrial 3D Printing Equipment & Materials

## EOS M290 (DMLS)

Material	Appearance	Tensile strength	Elongation at break (%)		Hardness
EOS Stainless Steel 316L	Metallic	540-640 MPa	40-50%		85 HRB
EOS Aluminum AlSi10Mg	Metallic	440-480 MPa	7-11%		114-124 HBW

## Stratasys Connex 500 (Polyjet)

Materials (rigid)	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	Water absorption %
VeroWhite Plus	White	7,250-9,450 PSI	15-25%	113-122 F	1.1-1.5%
VeroBlack Plus	Black	7,250-9,450 PSI	15-25%	113-122 F	1.1-1.5%
VeroBlue	Blue	7,250-8,700 PSI	15-25%	113-122 F	1.5-2.2%
VeroGray	Gray	7,250-9,450 PSI	15-25%	113-122 F	1.1-1.5%
VeroClear	Clear	7,250-9,450 PSI	10-25%	113-122 F	1.1-1.5%
Materials (rubber-like)	Appearance	Tensile strength	Elongation at break (%)	Shore hardness	Special notes
Tango Plus	Yellow-Clear	115-220 PSI	170-220%	26-28 Shore A	
Tango Black Plus	Black	115-220 PSI	170-220%	26-28 Shore A	
Tango Black	Black	115-350 PSI	45-55%	60-62 Shore A	
Tango Gray	Gray	435-725 PSI	45-55%	73-77 Shore A	

## Farsoon Eform (SLS)

Material	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	
FS3401GB	Gray	6,381 PSI	9.3%	306 F	

## Farsoon 403P (SLS)

Material	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	Hardness
FS3300PA	White	6,671 PSI	36.0%	295 F	

## 3D Systems Projet 7000HD (SLA)

Material	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	Hardness
Accura ABS Black	Black	6,525-6,815 PSI	6-13%	124 F	86 Shore D

## 3D Systems ProX 800 (SLA)

Material	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	Hardness
Accura Xtreme	Gray	2,450-2,900 PSI	25-30%	152 F	70-74 Shore D

## Stratasys Fortus 450MC (FDM)

Material	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	Hardness
ASA	Ivory-Black	4,750 PSI	6%	216 F	R 109.5
ABS	Ivory-Black	5,200 PSI	4%	204 F	R 109.5
Polycarbonate	White	9,800 PSI	5%	280 F	R 115
PC-ABS	Black	5,900 PSI	6%	230 F	R 110

## Stratasys Fortus 900MC (FDM)

Material	Appearance	Tensile strength	Elongation at break (%)	Heat deflection	Hardness
ABS	Ivory-Black	5,200 PSI	4%	204 F	R 109.5
Polycarbonate	White	9,800 PSI	5%	280 F	R 115
PC-ABS	Black	5,900 PSI	6%	230 F	R 110
Ultem 9085	Tan	10,400 PSI	6%	307 F	