



FOR MORE INFORMATION CONTACT

State University of New York at New Paltz
 1 Hawk Drive
 New Paltz, NY 12561-2443
 (845) 257-3728
 HVAMC@newpaltz.edu
 www.newpaltz.edu/hvamc

START YOUR GIFT TODAY

Please consider making a gift in support of the work of HVAMC! Your contribution helps us continue to provide state of the art equipment and materials, supports guest speakers and other educational programming.

Give online at: www3.newpaltz.edu/gift (note that your gift is for the HVAMC), or by check sent to SUNY New Paltz Foundation, 1 Hawk Drive, New Paltz, NY 12561. For questions please contact the Foundation at: 845-257-3240. Thank you!

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3D PRINTING/DESIGN SERVICES

PROTOTYPING

FINAL USE APPLICATIONS

MOLDS, JIGS AND FIXTURES

MATERIALS EXPERTISE

CAD MODELING



WHAT DO WE DO?

The HVAMC contracts with regional businesses and individuals to supply 3D design and fabrication services. HVAMC has worked with almost 150 different businesses and individuals on design and print projects, ranging from electronics enclosures to a bouquet holder to industrial venting systems to architectural models. HVAMC currently has 3D printing equipment in addition to standard fabrication equipment.

Equipment Available:

■ Thirty - MakerBot Replicator 2's and 2X's

These are desktop printers that print in either PLA, ABS, or Ninjaflex (a flexible material). With these printers, HVAMC can complete "production runs" of 10–200 objects. The Center has printed items such as key chains and a giveaway for a golf tournament.

■ Two - Stratasys Dimension 1200 ES FDM

These print in ABS+ in a variety of colors using a soluble support system. The build area is 10"x10"x12". They produce very high quality and robust prototypes and end use parts.

■ 3D Systems PROJET 660

This prints in full color using a gypsum-like material on a 10"x15"x8" build plate. The material isn't as robust as ABS+, but it can create full-color prototypes, art objects, architectural models, etc.

■ Stratasys Fortus 400mc

This is a higher end version of the Dimension 1200. It prints in a variety of different materials including ABS (a translucent material), ABS+, polycarbonate, ULTEM, and Nylon 12 on a 16"x14"x16" build plate.

■ Stratasys Connex 2 Objet 260

This inkjets a resin that is cured with UV light. 16 micron Z resolution. Makes incredible, multi-material (clear, flexible, etc.) prototypes. Perfect for molding applications. 10"x10"x7.9" build plate.

WHO ARE WE?

The Hudson Valley Advanced Manufacturing Center (HVAMC) at SUNY New Paltz has the following mission:

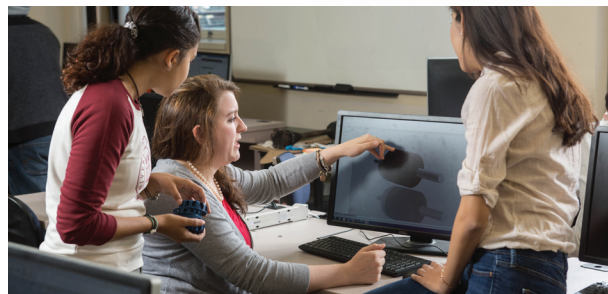
1. To provide digital design and 3D printing services to businesses and entrepreneurs in the Mid-Hudson Valley.
2. To act as an interface with businesses to arrange student internships and to prepare students for careers in 3D design and printing.
3. To support the educational mission of SUNY New Paltz by providing hands-on experience with advanced 3D design and printing technologies.

HVAMC Staff:

Daniel Freedman, Director;
 Dean of the School of Science & Engineering
 Katherine Wilson, Assistant Director

Aaron Nelson, MakerBot® Innovation Center Director

Interns: Caryn Byllot, James Petroski, Garrett Noach, Lori Jockers, Sara Heitmeyer and Cuiyu Kuang



WHERE?

The HVAMC is currently located on the SUNY New Paltz campus in the Smiley Arts Building, room 100.

HOW?

If you wish to discuss your project, email HVAMC at HVAMC@newpaltz.edu or call (845) 257-3728. All information is confidential and a non-disclosure agreement can be provided if needed.

To 3D print, HVAMC can work with files from any standard 3D CAD program such as Solid Works or Rhinoceros. To receive a quote for a build, please send the file to HVAMC@newpaltz.edu.

WHEN?

Turnaround time for most 3D builds is less than a week and typically 2–3 days.

Award for Food and Beverage Alliance

