What is a RhinoFabStudio®?

A certified RhinoFabStudio® (digital fabrication laboratory) acts as an Authorized Rhino Training Center (ARTC) with a workshop that includes Rhino-compatible software and high-quality digital fabrication machines. These advanced tools support a variety of industrial techniques for designing, analyzing, and fabricating almost any 2D or 3D project.

You can find a list of our RhinoFabStudios by visiting this link to discover what each studio fabricates at its facility. A RhinoFabStudio® focuses on design, analysis, optimization, and digital fabrication.

Benefits of becoming a RhinoFabStudio®

- ⬤ Recognition as a leading-edge industrial-grade digital design, analysis, and fabrication expertise provider.
- ⬤ Have all your events and activities published to a worldwide audience.
- ⬤ Have direct access to many digital design, analysis, and fabrication product development team members.
- ⬤ Provide training in digital fabrication certified by RhinoFabStudio®.
- ⬤ Special pricing for students and faculty members worldwide.
- ⬤ Host international events in conjunction with RhinoFabStudio®.
- ⬤ Provide the international Minor in Design + Optimization + Fabrication.

RhinoFabStudio™

How to become an authorized RhinoFabStudio®

- Become an Authorized Rhino Training Center (ARTC).
- Have the digital equipment needed to fabricate almost any 2D or 3D design.
- Have licensed Rhino plug-in or compatible CAM and analysis software.
- Have a RhinoFabStudio® logo on your web page.
- Offer analysis, fabrication, and 3D design workshops.
- Offer lab time to students and professionals.
- Be a contributing member of the RhinoFabStudio® community.
- Schedule an on-site or virtual visit to your lab from one of our mentors or instructors to get your lab certified as a RhinoFabStudio®.

How to start a RhinoFabStudio® from the ground up

Our experience shows us that if you follow these simple steps, you should have your RhinoFabStudio® running without any problems in less than a year. We call this approach or method **S-T-O**, *(Soft-Take-Off)*.

The first step would be to find suitable resources and people to create the fabrication lab. You should start by defining the function, educational procedures, features, and services offered by the lab. Your school or organization should first learn how to draw and model in 2-D and 3-D. After your teachers or employees feel comfortable modeling their designs with Rhino, it would be time to bring in the first digital fabrication equipment, either a **3D printer** or a **Laser** machine... There are so many fun and challenging projects you can print and cut with these two machines that time will fly before you know you may be ready for the third machine: a **3-Axis CNC**. Pay attention to two things: size and ease of use. Take your time, one step at a time, and do not forget about **safety** in your lab either.

Keep in mind that you are not alone, you can always count on **McNeel** and you can talk to any of our **Mentors** regarding your questions and concerns.

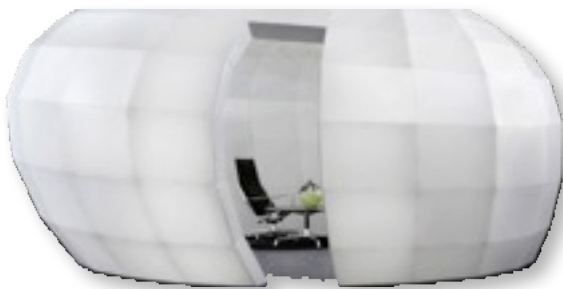McNeel • North America • Europe • Latin America • Asia

Several types of RhinoFabStudios:

The main objective of a RhinoFabStudio® is to be a space for experimenting with digital information to find excellence in form and function and create a physical representation with varied materials. A RhinoFabStudio® should help develop collaboration in the local and worldwide community, initiate the evolution and innovation of new projects and businesses, and represent a testing place for the upcoming manufacturing.

FireFly

Currently there are distinct types of RhinoFabStudio you may specialize in, depending on specific activities and services, so it is always important to adapt the global concept to the local context. Some of the current types of labs are Robotics, Product Design, Jewelry, Metrology, Marine Architecture, Footwear, Architecture, Interior Design, and Furniture… and yes, a school may run different RhinoFabStudios simultaneously and on the same campus.

The type of RhinoFabStudio® you want to implement should influence your choice of machines. You should determine the type of digital equipment you will need to buy and install as well as the area you need to set up your lab. In addition, you need to think about the adequate software for the type of specific activities and services you will be offering.

SEEYOND

Although the space needed for a Jewelry RhinoFabStudio® is smaller than an architectural lab, jewelry is one of those fields that uses the most demanding digital machines on the market today. Combine data driven design with digital fabrication to create jewelry and art, inspired by intuitive and detailed 3-D forms, requires high resolution outputs and different type of materials.

SCAD

Products, furniture, and interior design all share and use practically the same equipment for digital fabrication. The area for the lab should also be about the same. They should provide digital tools for conceptual explorations to firsthand prototyping. The lab should allow the users to expand design thinking and design making. Most of the products or mockups are built scale 1:1. Sometimes you can choose between different. sizes of a machine. It is therefore important to understand how the size will affect your activities. Two of the machines you should consider implementing in your lab are full size 4' x 8' 3-axis router and a full size 4' x 8' plasma machine.

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RhinoFabStudio™

Please fill out the following RhinoFabStudio® application form.

_____
Name of School / Business

_____
Address   City/Town   State/Country   Zip-code

_____   _____
Website with the link and logo to RhinoFabStudio   Email

_____   _____
Work Phone   Personal Phone

_____   _____
Years in
Business   Date

Briefly describe why you want to become a RhinoFabStudio® and what you expect to gain from it as well as your logo for your new lab. Please attach a separate sheet if needed.

Write here…

Send Your Logo

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Briefly describe and attach a photo of each machine in your studio and explain how the digital information is sent to each machine. List all programs compatible with Rhino. Please attach a separate sheet if needed.
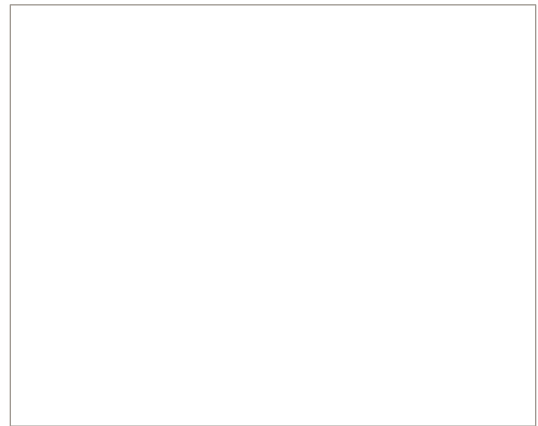
Example: You may use this as a template.

Machine #1

Machine	CNC Machine
Brand	Techno-Isel
Number of Axis	3
Useful Area:	4' x 8'
Website	www.techno-isel.com
Other	G-Code from RhinoCAM

Machine #2

Machine	
Brand	
Number of Axis	
Useful Area:	
Website	
Other	

Machine #3

Machine	
Brand	
Number of Axis	
Useful Area:	
Website	
Other	