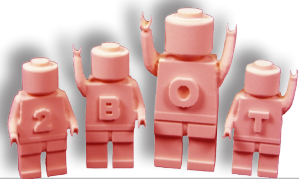


# 2BOT<sup>®</sup>

*physical Modeling Technologies*

*...turning concepts into realities*

# ModelMaker<sup>™</sup>



2BOT<sup>®</sup> *physical Modeling Technologies*

# Enter the new era in 3D printing...

**2BOT is focused on changing the way the world views virtual ideas and data turning..... your concepts into 3D reality has never been easier!**

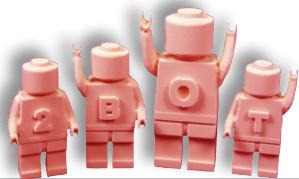
ModelMaker, the new 3D printer from 2BOT is specifically designed from the users perspective..... easy-to-use, fast, safe, cost-effective and FUN!!

ModelMaker is the perfect knowledge-retention tool for the interactive education environment, but equally at home in the professional environments of Design, Planning, GIS and Rapid Prototyping. ModelMaker is as easy to use as a standard 2D printer, allowing the end user to specify any size and/or orientation of their selected model....then press MakeIT.

Designed with easily interchangeable print heads, 2BOT has left the door open to future print-head functionality, easily added to your ModelMaker system. Maintenance is fast and simple... via a standard shop vacuum. There are no chemicals to contend with, no calibrations required, and no complex material setups to perform.

ModelMaker is designed with a keen sensitivity to the use and cost of materials, plus the ability to generate models at unparalleled speeds, while being user friendly and reliable. Coupled with ModelMaker Nation, our online forum for educators, users can share lesson plans, select lesson-linked 3D models for download, and get answers to questions within their peer groups; all at no charge.

ModelMaker uniquely provides the complete solution for real-time 3D printing. Turning computer generated virtual data into high quality 3D physical models is now incredibly simple, amazingly fast, remarkably inexpensive, and without size constraints - bringing physical 3D modeling to the mass commercial markets for the first time.



***“Touch is so powerful - it supercharges the senses...”***

## **ModelMaker Differences**

**Cost:** The ModelMaker has truly affordable cost of ownership, inexpensive materials, and the ability to generate models at 1/20 the cost of competitors. Typical model costs \$1.

**Time:** Setup takes less than 30 minutes. The ModelMaker is capable of generating models at 1/20 the time of competitors.

**Size:** No model size limitation, fully scalable. 2BOT Studio will tile your data for easy assembly.

**Software:** 2BOT Studio has an easy interface and is simple to use. It avoids G-Code, tool path and other feature adjustments. It will automatically tile your data into pieces.

**Compatibility:** 2BOT Studio is compatible with AutoCAD, ArchiCAD, Google SketchUp, MicroStation, ProE, Revit, Rhino, and SolidWorks.

Input file types: .DWG, .DXF, .STL, .KMZ, .DAE, .JPEG or .BMP

ModelMaker is the new, user-oriented, proprietary patent-pending technology for turning your virtual ideas and data into physical interactive 3D models ----- Fast, Safe, Cost-Effective and Fun!!

***“If they can see it, touch it, feel it.. that brings it.. to real [life] and statistics will show if you hear something, you’ll only remember a small portion of it. If you see it, you remember a little bit more. See and hear it, a little bit more. If you see it, hear it, touch it, feel it, do it - you are up in the 80 to 90 percent retention.”***

***-Kim Herron, 6th grade Teacher***

# classroom ModelMaker™

...enhanced cognition via subtraction

## A New Dimension in Interactive Learning

classroom ModelMaker is proud to introduce the next dimension in interactive learning, allowing students to create and manipulate physical models from virtual data.

All curricula can be enhanced through physical modeling.

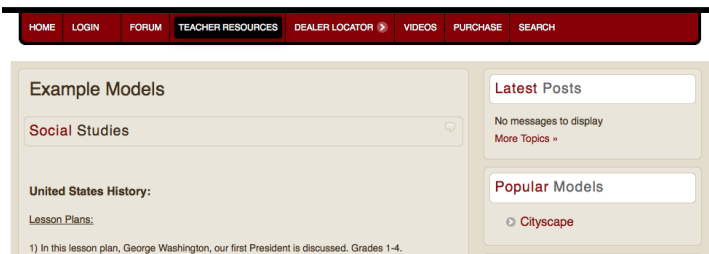
### ModelMaker Nation

ModelMaker Nation is 2BOT's teacher resource site where pre-selected 3D models can be downloaded and linked to custom or existing pre-made lesson plans. Teachers can also develop their own lesson plans complete with linked 3D models. MM Nation provides an open forum where educators worldwide can share lesson plans, knowledge, models, or ask & answer questions via the discussion board.

[WWW.MODELMAKERNATION.COM](http://WWW.MODELMAKERNATION.COM)

## ModelMaker™ NATION

brought to you by: 2BOT physical Modeling Technologies  
in strategic partnership with: Advanced Classroom Technologies



### ModelMaker Specifications

Dimensions: 25.25"L x 25.50"W x 13.00"H

Weight: 48 lbs

Single Tile Cutting Envelope: 12.0"L x 12.0"W x 2.0"H

Maximum Model Size: with tiling - unlimited

Cutting Resolution: 0.12"-0.0005"

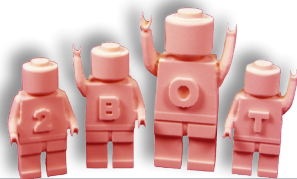
Cutting Speed: 1.0 in/sec.

Computer Interface: USB 2.0

Included Applications: 2BOT Studio™ Software

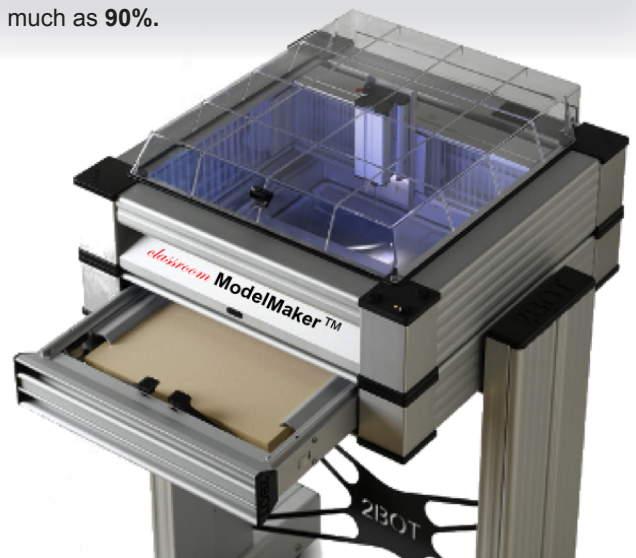
Operating Systems: Windows 7, Intel-based Mac w/ VMWare or Parallels

Computer Specs: 2GHz processor, 2GB RAM, 200MB HardDrive, OpenGL 1.5+



### ModelMaker Features

- ModelMaker Nation provides an open forum where educators worldwide can share lesson plan, knowledge models, or ask & answer questions via the discussion boards.
- Learning interactively in *real-time*.
- Make models in the classroom during the class!!
- The ModelMaker is the **only** 3D printer designed specifically for the classroom.
- *Affordable* physical model output (3D printing) *averaging less than \$1 per model*.
- Allows students to experience *hands-on* problem solving in real-time
- Adding *fun* to the practical thinking required of the learning process
- Drives improved academic outcomes **and** increased knowledge retention.
- Use of 3D *physical* models increases student knowledge by as much as **90%**.



Shown with Optional Stand

# classroom ModelMaker™

...enhanced cognition via subtraction

## Accessories

### Spindle

**62-0006-001**

Spindle with an approx.  
2.1 inch carbide drill bit.  
8.0"L x 2.25"W x 1.81"H



### Cutter Bit

**61-0138-001**

Carbide cutter drill bit.  
Approx. 2.1 inches.



### Stand

**63-0004-001**

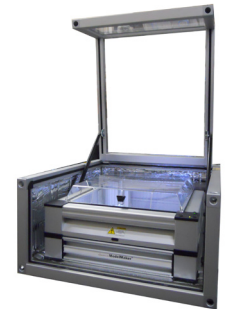
Stand with wheels for easy  
re-positioning.  
31.25"L x 21.75"W x 38.5"H



### Sound Box

**63-00010-001**

Acoustic enclosure to reduce  
sound and noise.  
33.5"L x 31.5"W x 15.5"H



## Materials

### Sand polyurethane foam

**58-1010-004**

2 inch thick sand foam  
2.00" x 13.75" x 13.00"  
10 each per box



### Lithophane foam

**58-1010-001**

0.25 inch thick sand foam  
0.25" x 13.75" x 13.00"  
15 each per box



### Green polystyrene foam

**58-1021-004**

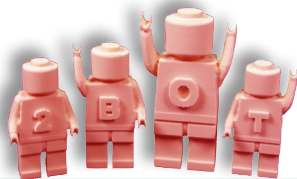
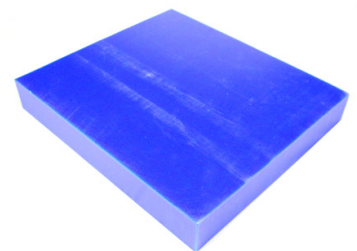
2 inch thick green foam  
2.00" x 13.75" x 13.00"  
10 each per box



### Blue machine wax

**58-1004-004**

2 inch thick wax  
2.00" x 13.75" x 13.00"  
Quantity: 2



# geo ModelMaker™

...from images to objects PDQ

## Make a Model Whenever You Want

geo **ModelMaker** for GIS, Architects, Planners, Civil Engineers, and related professionals enables entirely new ways of working in the world of physical model making.

Forget 2D printers, with the **ModelMaker**, help your clients realize their dreams can be a reality.

Just like sending data to a desktop printer, carving shapes with the **ModelMaker** takes only a few mouse clicks.

Eliminate the high cost of outsourcing models.

Change the way you create and make models... **ModelMaker** can create fast economical models as small as a thumbnail to as large as needed to get the point across to your customer.



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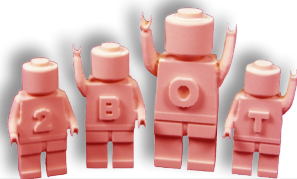
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Computer Interface: USB 2.0

Included Applications: 2BOT Studio™ Software

Operating Systems: Windows 7, Intel-based Mac w/ VMWare or Parallels

Computer Specs: 2GHz processor, 2GB RAM, 200MB HardDrive, OpenGL 1.5+



## ModelMaker Benefits

- Incredibly easy-to-buy & easy-to-use.
- Out-of-the-box setup is fast & simple, takes less than 30 minutes.
- Truly affordable cost-of-ownership: inexpensive, widely available consumable materials.
- 2BOT Studio compatible with most CAD/GIS formats.
- No limit to model size, full scalability.
- Create inexpensive models, large or small, for any project.
- Increases productivity and effectiveness during the iterative design process.
- Differentiate your firm from competition by bringing models to the table.
- Align expectations and improve communication and understanding among all project stakeholders.



# geo ModelMaker™

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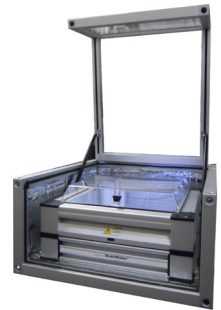
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