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NEWSLETTER 13



Tooling News

PRECISION BOARD PLUS HDU



"Cool Idea!"

Vacuum Forming In the Movies

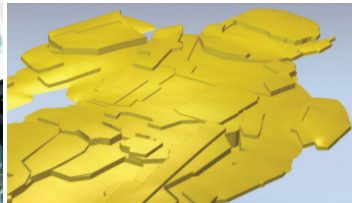
Flix Fx Offers New 3D Vacuprinting



Marc Pollack of Flix FX, Inc (www.flixfx.com) in North Hollywood, CA has been producing special effects/props for use in TV, commercials, movies, events and the music industry for the past 21 years. They've branched out to include a new patent pending process that will expand the horizon of what can be done with vacuum forming by being able to digitally pre-print a registered graphic image on the plastic prior to the forming process. It creates a finished product that is useable in POP, theatrical, retail advertising and many other applications.



Step 1: Digital File



Step 2: Digital 3D Sculpting



Step 3: Precision Board Routed Imaged



Step 4: The Final Result

Flix FX also known as 3D Vacuprint, (www.3dvacuprint.com) has been using **Precision Board Plus PBLT-10** on the majority of their 3D relief carvings. They start with a 2D image and create a 3D file through specialty software. The 3D file is converted to a file that is readable by the CNC router, which cuts the 3D profile in PBLT-10. At this time, a 2D image is printed on plastic, using proprietary software to compensate for distortion on the finished form. The final step is to register the form under the plastic and vacuum form it.



Marc says, "We can get 50-150 pulls from the PBLT-10 and when we need more than that, we'll switch to a higher density or make a fiberglass mold. Just like anything else it has its purpose and where it fits. Precision Board Plus is our material of choice, and is a vital step in the creation of our product."

For one of their recent projects, the Flix FX team created Toyota Drones for a television commercial. The forms for the drones were machined from PBLT-10, the carbon fiber fin was processed by 3D Vacuprint. The form (drone) was then vacuum-formed and used in the commercial that was played for NASCAR audiences.



Take a look at their web sites to see the diverse projects for both Flix FX and 3DVacuprints. If you would like more information, give Marc a call at (818) 765-3549

How Fast Can A Human Powered Vehicle Go? University of Missouri Enter HPV Challenge



How do you design a champion Human Powered Vehicle? Jonathan Sanders, Fairing Engineer of the University of Missouri Human Powered Vehicle Team gave me the details of this year's competition winning build.

Designed to provide an opportunity for students to gain valuable design team experience, the **Human Powered Vehicle Challenge** (HPVC) is a yearly competition put on by the ASME, or **American Society of Mechanical Engineers**. The HPVC sets the stage for students to demonstrate engineering design skills in the development of sustainable and practical transportation alternatives. As an all volunteer project with no school credits that will be awarded, members of these HPVC teams are all extremely dedicated and knowledge-thirsty students.

For more on the University of Missouri's involvement in the HPV Challenge, see our blog post at **PrecisionBoard.com**.



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FREE sample of Precision Board Plus.
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Great Pricing • Fast Shipments • Made in USA



Fast Curing HDU Adhesive How-To Video

PB Fast Set Fully Cures in 30 min.

Quickly bond or laminate sections of **Precision Board Plus HDU** and be ready to machine, cut or carve in minutes. Create complex shapes, conserve material or make use of otherwise scrap pieces of HDU from your bone yard. We just finished a series of How to videos for all of our companion products. Go to **PrecisionBoard.com** to see the PB Fast Set video, as well as the rest of our video library.

PRECISION BOARD PLUS

Precision Matched for Your HDU Needs

Widest Range of Densities Available

4 through 75 pound densities all in stock, with custom densities on request.

Any Thickness You Require

From 1/4" to 24" and everything in between.

WIDEST VARIETY OF SHEET SIZES AVAILABLE

- 20"x60" • 45"x60" **NEW** • 5'x8'
- 24"x60" • 4'x8' • 5'x10'
- 30"x80" • 4'x10' **ALL IN STOCK AND READY TO SHIP**

Life of The Sign Warranty



To request a written, personalized copy of our "Life of The Sign Warranty" for a sign you've made using Precision Board Plus, contact us at: **www.precisionboard.com**

Interested in Having Your Company Featured in Our Newsletter?

You may have noticed we like to share interesting stories from our customers about their projects using Precision Board Plus. If you would like us to feature your company in one of these stories, we want to hear from you.

Here's what we're looking for:

- ***In process photos working with Precision Board Plus***
- ***Finished project photos***
- ***Advice for those who are new to Precision Board Plus***
- ***Tips for working with HDU***

Send us an e-mail at **hdu@precisionboard.com** along with any interesting details about the project.

These newsletters are sent to thousands of our customers and are a great way to build recognition for your company and share your expertise.

Certified Green

Precision Board Plus has been reformulated with eco-friendly, "Green" urethane components. The new Plus formulation has achieved a certified "Carbon Balance" of 3 to 1 and a "Rapidly Renewable Resource Content" of 23.9%. This major environmental improvement has also produced a tighter cell structure which results in more chips and less dust when cutting and machining.

Precision Board Plus now assists in meeting LEED requirements for obtaining USGBC and ICC 700 Building Credits.



Coastal Enterprises also offers a complete line of companion primers, adhesives and specialty coating products.



Call (800) 845-0745 or visit **www.PrecisionBoard.com** for a **FREE** sample of Precision Board Plus.
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