



"Even the art
is big in Texas"



Scan this image with your smart phone to go to our new website. Request a free sample, request a quote or view our gallery. (Download a FREE QR Code Reader to your Smartphone at www.mobile-barcode.com)



Blue Genie/ Aggie Ring



Speeds and Feeds

A 3D laser scanner that is accurate to 1/100th of an inch and a 3 axis CNC mill capable of sculpting an 8 inch thick 4'x 8' block of material are not the typical tools you find in an art studio. But then this is no ordinary art studio. It's Blue Genie Art Industries of Austin Texas and they are the fabricators of the model that was used to cast this 12 foot high bronze replica of the coveted Aggie ring that now adorns the entry of the newly refurbished Alumni Center at Texas A&M University in College Station Texas.



Building the model

Each element of the highly symbolic ring was reproduced in great detail by the artisans of Blue Genie. Using a digital model supplied by ring maker Balfour, they were able to "scale up" the rendering to the massive dimensions of the project, maintaining all of the fine detail of an actual ring. With the help of VisualMILL Software, "toolpaths" were created for their milling machine to follow. Using 8lb Precision Board Plus (PBLT-8), sections of the ring were milled with every intricate detail of this Aggie icon. The sections were then assembled and bonded to a custom eight foot diameter steel-fabricated armature to create the model.



The casting

According to Kevin Collins, one of Blue Genie's Principles, "This was a challenging project for Blue Genie, requiring the right combination of artistry, technology and materials. Using PBLT-8 Precision Board Plus was an integral and sound decision in holding the details of the class ring, and a great choice for CNC milling, sanding and finishing to a mold ready surface for the bronze foundry process."

The project was then turned over to Deep in the Art Foundry of Bastrop, Texas to take the molds and perform the bronze casting and fabrication of the 6500lb replica of Aggie pride. According to Clint Howard, Deep in the Art's President, "compared to other big projects we've done, this is technically the most challenging piece when it comes to surface finish". Although the ring was cast in sections and then welded together, all the effort put into grinding and polishing makes it appear that the giant ring was cast as one solid piece. After all, the larger than life example had to live up to the symbols of integrity, achievement, power and valor, which are just a few of the many traits the ring has come to represent to Aggie alumni.

As an inspirational gesture, a time capsule was fabricated into the bezel of the ring, which will be opened by alumni in 50 years. For more on the Haynes Ring project and the Aggie tradition, see the video A Ring for All Aggies.



On display

Did You Know?

Precision Board Plus is non-abrasive and can be machined and cut with HSS cutters, or any standard cutting tool. In addition, Precision Board Plus does not out-gas during the curing process, so it's ideal for prepreg layup tools and mold patterns (see autoclave ramping procedures). To learn more about the capabilities of Precision Board Plus, view or download our product data sheets.

PRECISION BOARD PLUS

Precision Matched for Your HDU Needs

Widest Range of Densities Available

4 through 60 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**

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 18.9%. 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.
email: hdu@precisionboard.com

Great Pricing • Fast Shipments • Made in USA



Facebook® is a registered trademark of Facebook, Inc.
LinkedIn® is a registered trademark of LinkedIn Corporation.
Twitter™ is a trademark of Twitter, Inc.