

A 3D Systems Success Story

Toy Manufacturer & Precision CAD/CAM Systems
ProJet™ HD 3000 3-D Production System



Indiana Jones Brought to Life with ProJet™ HD 3000 3-D Printer

Customer: Major toy manufacturer designing an action figure series.

Situation: Accurate models were needed to expedite the approval process.

Solution: Precision CAD/CAM Systems, a 3D Systems reseller and parts service provider, built and shipped the models within 24 hours.

Benefits: Toy manufacturer used the models as the master mold for production.

Fast, Accurate Models

INDIANA JONES, WITH HIS CLASSIC CREASED BROWN hat and talent for finding adventure, was recently brought to life as classic action figures with the 3D Systems' ProJet™ HD 3000 Production System.

Precision CAD/CAM Systems (PCS, Inc.; Hunt Valley, MD; www.cadcam4u.com) printed 3-D models of Indiana Jones' head for a major toy manufacturer for an action figure series for the first three Indiana Jones™ movies.

The toy manufacturer turned to 3-D printing technology for fast, accurate models that so closely resembled Indiana Jones (actor Harrison Ford) that company officials immediately approved the design.

Master Mold

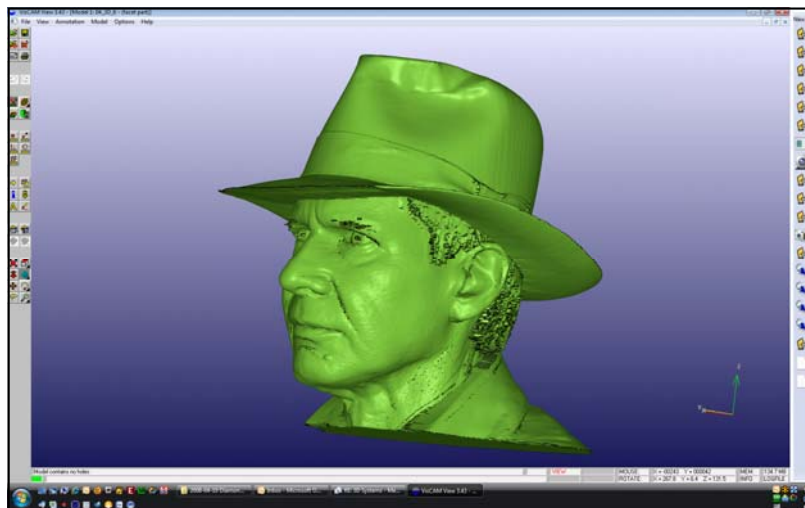
"THE MODELS LOOKED SO GOOD THAT WE USED them as the master mold for production," said the production manager at the toy manufacturer. "It expedited the approval process. Instead of giving someone a hunk of clay and a knife, we used Rapid Prototyping. With 3-D printing, I know it's getting approved the first time."

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Courtesy of Precision CAD/CAM Systems

The ProJet™ 3-D models (above) of Indiana Jones were used as the master mold for production of action figures. The models looked exactly like the CAD files (below), a testament to the accuracy of the 3-D printer.



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About the ProJet™ HD 3000 3-D Production System

3D Systems' new ProJet™ 3-D Printer accurately and consistently builds ready-to-use models in the option of two build styles. Its high throughput and large build volume with unique part stacking and nesting capabilities enable extended unattended operation ideal for overnight and weekend production runs. This 3-D Modeler is ideal for a wide-range of prototyping applications, including concept development, design validation, form and fit analysis, molding and casting patterns, and direct investment casting of jewelry and other fine feature applications.

Read more at www.3dsystems.com.



With that fast approval, the models went directly from the concept development phase to final market production.

For the build, PCS, Inc., a 3-D printing reseller and parts service provider, turned to 3D Systems' new ProJet™ HD 3000 3-D Production System, which builds ready-to-use models in the option of two build styles – high definition and ultra high definition.

Built and Shipped in 24 Hours

"THE TECHNOLOGY IS HERE," SAID MICHAEL HUGGINS, President of PCS, Inc. "Give me the files and pretend like this machine is sitting in your office – you'll have the models in 24 hours."

The quality of the initial build, as well as the fast build

speed, amazed his client.

"They couldn't believe how good it was in standard (high definition) mode," Huggins said. "It feels like you're looking at Indiana Jones. It's the spitting image of him. You can see his personality."

PCS, Inc., has had great success with the highly productive ProJet™ HD 3000 Printer, unveiled by 3D Systems in early 2008.

"Since we got it here, the ProJet™ has not stopped printing. We go back and forth between the two modes – high definition and ultra high definition – without a hitch," Huggins said. "When our clients see the results, they say, 'Oh my gosh! It prints the STL file to a T.' Their jaws open and they say, 'Wow, that's really accurate!'"

For more information, visit www.3dsystems.com.



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