

3D Rapid Prototyping

A new rapid prototyping program is designed for the aerospace industry. It allows high-definition color prototypes to be used for concept visualization, design review, mock-ups for form and fit testing, and patterns for casting applications. This latest prototyping technology is designed to reduce the aerospace industry's traditional three-week turnaround time to an average of two days and reduce costs by as much as 80 percent. With 3D modeling, engineers are also better able to catch mistakes and make improvements before the design goes into production. This prevents change requests late in the process and can further reduce costs. The system uses a printer that creates an actual physical model directly from CAD and other digital data. Printed parts can be drilled, tapped, sanded, painted, and electro-plated to replicate the look and feel of the final product.

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