Tabs

**Home**

Welcome to Meridian 3D, where we provide Engineered Solutions. Turning ideas into reality and problems into solutions. We stay competitive by streamlining our operations, offering you the best value you'll find. Our mission is, as always, helping you Build at the Next LevelTM.

**Services**

Not only will we turn your designs into reality quickly and inexpensively, but we'll take on the design challenge as well. Need a fixture made to gauge a part? We'll take your prints/models and design and build your solution. All in days, not weeks or months.

**Material**

ABSplus is a production-grade thermoplastic that is durable enough to perform virtually the same as production parts. It is up to 40 percent stronger than standard ABS material and is an ideal material for conceptual prototyping through design verification through direct digital manufacturing.

The marriage of ABSplus with FDM technology gives you the ability to create real parts direct from digital files that are stronger, smoother, and with more feature detail.

Models made with ABSplus can be drilled, tapped, sanded, painted and even chromed, making them ideal for producing functional prototypes, molds, patterns, even customized tools and fixtures.

Available Colors

Ivory Blue

Black Olive Green

Dark Grey Nectarine

Red Fluorescent Yellow

**Technology**

What is Fusion Deposition Modeling?

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| Fused Deposition Modeling (FDM) is a solid-based rapid prototyping method that extrudes material, layer-by-layer, to build a model. The system consists of a build platform, extrusion nozzle, and control system. |
| http://www.quickparts.com/images/clearpixel.gif |
| The build material, a production quality thermoplastic, is melted and then extruded through a specially designed head onto a platform to create a two-dimensional cross section of the model. The cross section quickly solidifies, and the platform descends where the next layer is extruded upon the previous layer. This continues until the model is complete, where it is then removed from the build chamber and cleaned for shipping. There's no waiting for the model to "cure". |

**Search**

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**About Us**

Together, we have over 80 years of manufacturing experience in such diverse fields as aerospace, automotive, industrial and medical. Our acquired skill sets include machining, metal forming, material handling, quality systems, and design and manufacturing engineering.

We've been in the trenches and know what it means to have support you can count on. That's what we're here to provide our customers.