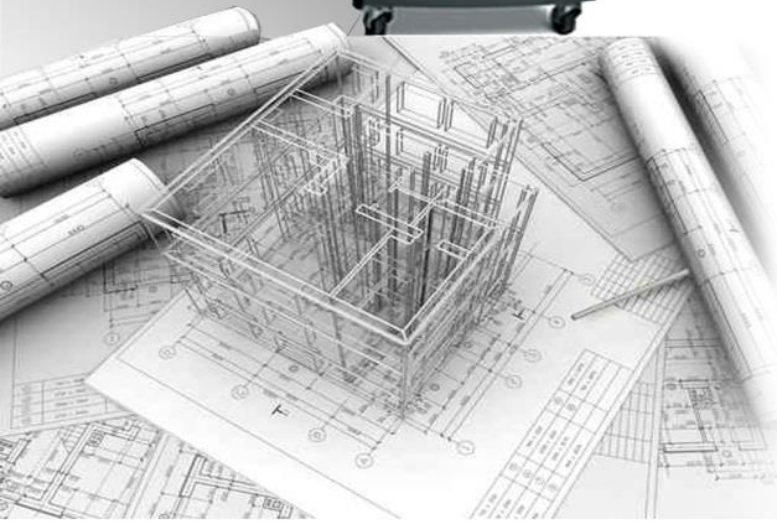


CZARNEK ORKIN LABORATORIES



Engineers and designers: We are ready to fill your needs for rapid tooling and prototyping

- Architectural Models
- Models for metal casting
- Masters for vacuum forming
- Functional prototypes



The Dimension Elite 3-D Printer provides stronger functional models with finer feature detail and improved surface finish. The Elite features a 203 x 203 x 305mm (8 x 8 x 12 inch) build envelope and uses a new, stronger ABS material. ABS Plus™ produces durable component parts that can be snapped, screwed and fitted together right at your desk.

Fused Deposition Modeling technology provides the foundation for Dimension 3D printers. Two materials—one for models, one for support—are heated in an extrusion head and deposited in thin layers on a modeling base. The model is precisely built, layer upon layer. When the model is complete, the support material is removed, leaving an accurate, durable functional 3D model.

The machine accepts the industry standard STL files from 3D CAD software such as SolidWorks, Solid Edge or ProEngineer.

For thick section parts, the interior can be produced in three different modes: Solid, Sparse-High density, Sparse-Low Density. For display models where strength is not an issue, a sparse interior saves material, reducing the cost. For prototypes that must carry load, a solid interior is preferable.

ABS Plus™ is 40% stronger than standard ABS, making it ideal for testing the form, fit and function of fragile, fine-featured models. ABS is the material of choice for sports helmets. It resists impact and is easily machined and jointed. It can be used in wet environments or even under water.

Models can be sanded, filed, painted and/or glued. Holes to be threaded for repeat assembly and disassembly can be fitted with brass inserts.

Build envelope: 203 x 203 x 305mm (8 x 8 x 12 in)

Layer thickness: 0.25mm (0.010 in) or 0.178mm (0.007 in)

Model color options: Ivory, white, black, blue, fluorescent yellow, red, nectarine, olive gray or gray

Model interior options: Solid, Sparse-High Density, Sparse-Low Density

Czarnek and Orkin Laboratories will beat any advertised price by 20%

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