
Protogenic

An Overview of Rapid Prototyping
presented to **RMIA**

- I. An overview of rapid prototyping technologies / additive manufacturing
- II. Types of RP
- III. Benefits / Weaknesses
- IV. What does Protogenic do?
 - will have samples

RMIA / Protogenic Summary April 12, 2012

- Rapid Prototyping / 3D Printing / Additive Manufacturing – 4 main technologies, SLA, SLS (plastic and metal), FDM, Ink Jet
- SLA – stereolithography – UV cured epoxy resins, many types
- SLS – selective laser sintering – nylon, filled nylons, PEEK, SS, CoCr, Ti06, 6061 etc
- FDM – fused deposition modeling – ABS, PC/ABS, PC, PPS
- Ink Jet - Objet / ProJet – print acrylate materials, Shore D and Shore A; The Objet Connex can print assemblies in different materials at same time; Z Corp – spray binder on plaster powder, in colors
- RTV / Acrylic Molds - cast parts in color, textures, with polyurethanes and silicones including end use parts
- Please call Bob Olsen with questions, 303-453-3990, or email: BOlsen@spectrumplasticsgroup.com
- More information available at: <http://www.spectrumplasticsgroup.com/>

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