

An Approach to Incorporate Additive Manufacturing and Rapid Prototype Testing
for Aircraft Conceptual Design to Improve MDO Effectiveness

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Figure 2.2 aids in an explanation of PolyJet printing.

Figure 2.3 is a depiction of the different materials available to FDM™ and PolyJet.

Table 2.1 is a comparison of FDM™ and PolyJet based on many metrics describing additive manufacturing.

Figure 3.2 and 3.3 are images of several additive manufacturing machines possessed by the VT AOE department, namely, the UPrint SEplus, the Fortus 400mc, the Objet30 Pro, and the Objet500 Connex3. These images are used to identify the printers used throughout this thesis.

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