

Engineering Consulting Service:

Manufacturability Assessment

Background: Technology incubation companies focus on demonstration of a concept. They are chasing the quintessential ‘better mousetrap’ while concentrating on attracting investors to enable the maturation of an ‘idea’ into a ‘product’, or finding a buyer for the technology.

Opportunity: One of the fundamental areas investors and buyers focus on is the ‘bankability’ of any idea. Can the idea realistically become a profitable business? Bankability typically focuses on three areas: Performance, Cost, and Quality (both Reliability and Durability). Assessing the manufacturability of any idea touches all three of these areas, particularly cost and quality.

Vista Engineering creates value for our customers by offering engineering consultation which helps them address the *manufacturability* of their concepts – taking their proof of concept and providing early feedback on its manufacturability.

Manufacturability assessment typically involves one or more of the following:
Design for Manufacturing & Assembly (DFMA)

- Material Selection
- Process Selection (including tooling)
- Process Development
- Tolerance Assessment
- Robust Design (Design of Experiment)
- Failure Mode Effects Analysis (both Design and Process)

Supply Chain Development

- Sourcing Strategy Recommendation (Global, Domestic, etc.)
- Supplier Identification & Selection
- Supplier Development
- Packaging Design
- Logistics

Each customer has different skill sets that may address some of these areas, but few will have the expertise to address all of these areas. Vista’s value-added engineering fills in the gaps of our customer’s unique skills-portfolios.