

Value engineering feasibility for breast pump

Value engineering of single and double electric breast pump for BOM cost reduction without impacting the product aesthetics

Scope

- Reducing electrical BOM cost by – upgrading technology for high level integration through new generation components and modules
- Integrated memory in new microcontroller eliminating the need of external memory
- Customized pump helping control the vacuum more effectively as per the desired requirements
- Generating high level design specification and evaluating regulatory impact as per the defined product redesign goals
- Identifying redundant features and evaluating cost effective sub-systems
- Benchmarking Study: Tata Elxsi studied two similar products and created extensive report with figures, facts and pictures of physical product

