

ETA Engineering

Medical Equipment Expertise

CAE Services

For over 25 years, ETA has been providing expert computer aided engineering services (CAE) for a variety of industries. ETA's system-level engineering approach is currently used by manufacturers to reduce prototyping, time-to-market and cost, all while improving the overall product quality of equipment.

ACP Process

Utilizing ETA's Accelerated Concept to Product (ACP) development process; simultaneous engineering, virtual reality and rapid prototyping reduce overall engineering times and offer global potential optimization. A high degree of part-maturity and quality emerge in the early phases with parallel processes in product development, production plant engineering and tooling.

Medical Equipment Applications

ETA applies the ACP process to improve medical equipment quality, while reducing mass, time to market and overall costs. Using cutting-edge drop test simulation methods (eta/VPG), ETA is well-versed in impact reduction through quality product design. By catching design flaws early in the development cycle, prototyping cost is reduced significantly.

Consulting Services

ETA Engineering offers great flexibility in the way it provides consulting services. ETA can support the client's virtual development activities on a scale ranging from a single simulation and design analysis to a complete engineering design scope.

Expertise

- Mass/weight reduction of products
- Stress/deflection analysis from pressure loading
- Fatigue analysis
- Solid modeling with eta/VPG
- Advanced drop test simulations
- Product durability analysis
- Concept, development and verification
- Metal forming applications
- Production support



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