

# INDUSTRIAL DESIGN

At Stone Mountain Design, our awareness of user trends for consumer, industrial and military markets is key to the success of our products. Innovation, style and ergonomics are the factors that drive our Industrial Design team. Their creative vision supports an international clientele with unprecedented and timely knowledge of worldwide styling trends. Global experience and competitive insights help us to provide our clients with the product aesthetics that fit the unique demands of their customers.

Stone Mountain's industrial design process begins with a thorough market analysis, blended with an understanding of the customer goals and product specification. Our team generates several concept sketches and works closely with the client throughout the design selection process. Next, a three dimensional CAD model is developed which exactly defines the chosen concept. Photo realistic, full color renderings and prototypes immediately follow, providing the client with stunning visual and physical samples of their product.

While continually absorbing customer feedback, modifications and refinements to the model are quickly incorporated for timely, virtual product customer consensus. Afterwards, the final model is delivered to Stone Mountain's Mechanical and Electrical teams to begin the detailed design phase. Our accelerated process continues throughout product development and pilot production as we drive to exceed customer expectations with our schedules and deliverables.

**Concept to reality...  
Faster than you imagine!**



stone mountain  
**DESIGN™**

## Industrial Design

- Enabled for collaborative product development
  - > FTP sites
  - > Video conferencing
- User focus group research
- Conceptual sketches
- Artwork generation
- Ergonomic and human factors engineering
- Man-machine interface (MMI) optimization
- Implementation of latest engineering technologies, processes and competencies
- Consideration of internal electronics and mechanics
- Close process integration amongst ID, Mechanical and Electrical teams
- Full 3D solid and free form surface modeling capabilities
- Unigraphics, Pro/Engineer, Alias, Corel Suite and Adobe Suite
- 3D CAD file viewer software available to all customers
- Ultra state of the art, custom configured workstations
- Color and texture forecasting and specifications
- Photo-realistic color renderings
- Block models
- Aesthetic, marketing-quality models
- Interim form and functionality testing
- Seamless customer documentation and process integration
- Proficient in cooperative interactions and accommodating interpersonal support
- Polished team and behavioral skills promotes harmonious client/team collaborations

Stone Mountain Design is a wholly owned company offering comprehensive turnkey services including the design, engineering and development competencies vital to new products. We are experts at developing complex and sophisticated electronic products smaller, lighter and faster than our competition.

Our robust product design capabilities include industrial design, mechanical engineering, and electrical and software engineering. Through our own facilities and strategic partnerships, we offer a full compliment of domestic and international manufacturing and production facilities to further enhance our total turnkey solution.

While our core competencies are industrial design, mechanical engineering and product development, we also offer a full range of services for product positioning, market research and beta testing that work to greatly improve user acceptance.

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