



3DEXPERIENCE

HIGH-TECH **HT BODY**

Empower your teams to design
engaging consumer experiences



INCREASE YOUR INNOVATION POTENTIAL WHILE REDUCING INDUSTRIALIZATION RISKS AND COSTS

The success of Hi-Tech consumer electronics depends on many different factors. Next to functional cost and operational aspects, the design and physical characteristics are of paramount importance. But how can you transform irresistible concepts into top quality devices fast enough? How can you continuously deliver great design while meeting cost and quality targets?

HT body Industry Solution Experience, powered by Dassault Systèmes **3DEXPERIENCE**® platform, combines high-performance applications and services, both on premise and on the cloud, to boost collaborative innovation and produce your device enclosures, chassis, and frames more efficiently. Using a “single source of truth” to safely explore and iterate on a full 3D digital prototype before anything physical exists, all product disciplines can transparently collaborate in realtime to deliver more “Best Seller” products faster than ever before.

KEY BENEFITS

- Increase innovation potential by exploring substantially more design Alternatives
- Minimize development time with up to 40 percent gains in design/engineering iterations
- Improve control of modification cost at any project stage
- Facilitate collaboration with your supply chain while preserving your IP
- Share easily and re-use more IP for continuously delivering successful products

HIGH-PERFORMANCE DESIGN

For designers, the **HT body** Industry Solution Experience provides intuitive, integrated 2D sketch and easy-to-use 3D modeling capabilities from concept ideation through refinement, to explore shapes, volumes, and proportions. Design experimentation allows combinations of materials, colors, and finishes for the most effective design validation and decision making. High-quality renderings and animations in context can be easily transformed into 3D print prototypes anytime. Working on the same platform, the collaboration between design and downstream disciplines becomes a natural process, leveraging design intent all the way through the product development cycle.

HIGH PERFORMANCE ENCLOSURE ENGINEERING

To mechanical engineers, **HT body** effectively reveals the intent of the design concepts, empowering them to strengthen the product message with engineering excellence, working with designers on the same platform using the same data format, without any need for data translation. They can move forward with detailed enclosure design while device concept refinement is underway. Regardless of which materials and manufacturing processes are used, **HT body** provides worldclass design-for-manufacturing applications to incorporate changing requirements and experiment with approaches, check impacts, and help select the best options.

Mechanical engineers can rely directly on Creative Designers' outputs and keep focused on value-added tasks because design data and company intellectual property (IP) are constantly shared for re-use. Whatever the project stage, design and engineering modifications remain predictable and cost-efficient, resulting in up to 40 percent gains in design/engineering iteration efficiency.

HIGH-PERFORMANCE MOLD DESIGN AND MANUFACTURING

Perfect production execution often makes the difference between just a great design concept and a market success. For that purpose, quality must be controlled all the way to production. With **HT body**, manufacturing information is part of the overall digital part definition and can be directly used for mold design and manufacturing preparation, even at early project stages. Part designs can be shared with suppliers on the **3DEXPERIENCE** platform without exposing engineering IP. Part and mold development can take place concurrently with design. Any part changes can be propagated to the mold design and machining toolpaths by controlled synchronizations. This translates into meeting project deadlines while keeping quality and costs under control.

SOFTWARE-AS-A-SERVICE REDUCES COSTS AND ACCELERATES DEPLOYMENT

Cloud-based solution deployment reduces TCO (Total Cost of Ownership) by minimizing the hardware and administration resources needed. Users can be up and running in minutes after license acquisition. All services and support of the cloud provider are included. Furthermore, Dassault Systèmes is the single point of contact for support. An intuitive, single, compass-like interface provides easy-to-use navigation, search, and collaboration with the **3DEXPERIENCE** platform, making it inclusive for all departments in the company.

For more details about **HT body** Industry Solution Experience, connect to www.3DS.com/high-tech



Our **3DEXPERIENCE**® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE**® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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