



Gliding from Concept to Production

As it designs and manufactures medical lasers and related products, Denfotex performs its technical and industrial design in-house, allowing the company to move smoothly from concept to production.

For example, Denfotex recently created a revolutionary new dental curing light. Traditionally, dental curing lights—used to accelerate the setting of composite materials in the mouth such as fillings—are based on halogen lamps, requiring them to be substantial pieces of equipment that are often mounted on a stand. But Denfotex wanted to use high-intensity LEDs in its new light, so that it could be built as a cordless hand tool for dentists, allowing them considerable extra freedom in moving around the patient.

Rapid Modelling Helps Cut Design Time by 25%

By enabling rapid modelling at the start of projects, automatically creating highly accurate drawings and CAM data for fabrication, and providing foolproof instructions for final assembly, Autodesk Inventor has cut Denfotex's total design time by at least 25%.

Realistic Models Keep All Parties Up to Date

To facilitate innovation, Denfotex uses Autodesk Inventor as its modelling and design software. At the front end of the process, the company relies on Inventor to create realistic models, which can be shown to colleagues, suppliers, and potential customers. Creating JPEG images directly from Inventor data enables Denfotex to email pictures to colleagues in other offices as well as to other interested parties.

Denfotex also used Inventor to model the physical layout of the electronics contained within each part of the device. This allowed larger components to be placed for best use of the limited space and ensured adequate thermal flows away from heat-producing components. The ability to create slices through a complete assembly was especially valuable in this phase of the design.