

How Hitachi Contract Manufacturing Provided A Total Manufacturing Solution for a New Product Launch.



The Problem:

Our customer, a high-tech start-up, developed a high-capacity data storage product that needed to get to market quickly. The concept was sound, however, it lacked complete manufacturing documentation, test procedures and test specifications. This highly sophisticated product, which entailed

70 boards, more than 500 discrete components and over 13,000 different placements, needed refinement to the engineering drawings, several changes to the prototype and the development of a design for manufacturability – all without sacrificing time-to-market.



Technologies Involved

- Design Engineering
- Production Engineering
- Test Engineering
- Materials/Purchasing

The Hitachi Solution

- Developed drawings and specifications for manufacturing
- Developed manufacturing procedures reducing lead time by 25%
- Helped source key components reducing the cost of product by 8%
- Developed test equipment and protocols to assure reliability at the component, board, sub-assembly and product completion stages



The Result

Our customer received the first fully tested, fully functional, ready-to-deploy unit within 90 days of the purchase order. Additional units were shipped within 30 days – all exceeding the customer's requirements for overall performance and reliability.

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Products**

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