



Case Study

Client Profile:

The world's largest medical-device developer, dedicated to designing and building less invasive medical equipment.

Challenges:

The Medical Device Developer needed a manufacturer who can fulfill all requests and FDA regulations. Their equipments are used by hospitals to treat patients, thus safety and reliability are the client's key concern.

Delivering a Higher Standard of Medical Care

Solutions

AMAX's Contract Manufacturing Services to manufacture, test, and deploy systems using Intel Quad-Core Xeon Series Processors and NVIDIA Quadro FX video cards; Utilize AMAX Safety and EMC Compliance Certification to comply with FDA regulations.

Benefits

- AMAX's built systems allow for full revision control and long product life cycle, allowing the Customer to focus on Health Care development instead of product maintenance
- Doctors and radiologists have triple and quadrupled the number of patients they see, using the medical devices running on AMAX-built systems
- Customer has increased revenue and reduced overhead costs by having AMAX manufacture long life cycle reliable systems
- Proven leading-edge technologies keep client performance ahead of its competitors
- Customer's use of Intel quad-core Xeon series processors and NVIDIA Quadro FX workstation graphics cards delivers outstanding performance and enhanced graphical capabilities to perform medical tests



AMAX Contract Manufacturing Solves Medical Device Developer's Research Challenges

Doctors, Radiologists Can Quadruple the Number of Patients Treated

The world's largest medical device company has added a new weapon in its arsenal of disease-fighting tools: **Powerful custom-built systems from AMAX Custom Manufacturing that allow doctors and radiologists to treat more patients, increase the speed and efficiency of medical tests, and keep it ahead of other device-makers in this competitive market.**

Since it works in the world of medicine, the medical device company had a number of requirements from the partner it selected to build systems, which are used to operate machines for cardiovascular tests, heart monitoring, and image processing. Each computer product had to undergo extensive testing in the customer's environment, adhere to the Federal Drug Administration's strict safety regulations, and be available in the same hardware configuration for three to five years.

"As a result of the AMAX solutions, doctors and radiologists have tripled – and even quadrupled – the number of patients they see using medical devices operated by systems built by AMAX," said a customer executive. "AMAX's leading-edge, yet tested, technologies help keep us ahead in this market, meaning better, less invasive and faster treatment for patients around the world."

- Executive for Research and Development

After being put under the microscope, AMAX's Contract Manufacturing's recommendations were selected as the most appropriate and cost-effective solution to the medical device company's ills. AMAX recommended a solution that used Intel quad-core Xeon series processors and NVIDIA Quadro FX workstation graphics cards that provided the best images for the medical professionals' needs. In combination with all the other best-of-breed components, the AMAX systems delivered outstanding performance and the ability to efficiently perform medical tests, according to the medical device company.

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The customer, which has more than 25,000 employees, has invested almost \$6 billion in new technologies over the past five years. It has 26 manufacturing, distribution, and technology centers, and delivers more than 13,000 products to more than 45 countries. The volume of systems AMAX delivers has increased an average of 25 percent each year over the project's span.

"We are pleased that this well-respected customer selected AMAX to support its medical devices, which are used to benefit people all around the world," said Jean Shih, president of AMAX. "By allowing doctors to see dramatically more patients, more people have faster access to health care, resulting in vastly improved quality and length of life. AMAX is delighted that our technical knowledge, coupled with the customer's extensive medical expertise, is driving better healthcare to so many people."

About AMAX

AMAX is the leader in Custom Servers and Storage solutions in North America. AMAX is comprised of two key divisions that deliver customized solutions to a wide array of industries. AMAX's Contract Manufacturing Division provides comprehensive custom manufacturing and logistics services to OEM customers. AMAX's Corporate Solutions Division leads the custom server and storage manufacturing industries in North America, with products ranging from high performance computing clusters, enterprise servers and blades to graphic workstations.