



CLARITY MEDICAL SYSTEMS, INC. **RETCAM 3 OPHTHALMIC MEDICAL CART**

Clarity Medical Systems, Inc. wanted to redesign its existing ophthalmic medical cart to upgrade the aesthetic appeal and create a lighter, more maneuverable package.

“The original medical cart already achieved success, but we wanted to offer even more” noted Bill Shea, Vice President of R&D at Clarity Medical Systems, Inc. “We desired a more user-friendly product reflecting its advanced technology software.” The company also wanted to highlight its intended use in a NICU environment. The new design would allow for ease of manufacturability, ergonomic design input and improved shipment – all at a lower price point.

The company collaborated with MPE to create the next generation flagship NICU ophthalmic imaging medical device – a modern cart with smooth lines and soft colors.

The new RetCam 3 Ophthalmic Medical Cart addresses many ergonomic and usability requirements, including a large work surface, pull-out keyboard, built-in front pocket for the foot switch, integrated cord wraps, improved mobility, and a multi-axis articulating support for the significantly larger flat-panel display. In addition, the cart was designed to match the “sister” Clarity RetCam device, thus broadening Clarity’s branding requirements.

MPE provided a full solution design that has made manufacturing and shipping more efficient for Clarity Medical Systems. The desired product requirements – size, cost, manufacturability, Industrial design, ergonomics – were successfully met and exceeded.

Customer feedback has been extremely positive – NICU physicians and nurses praise the RetCam 3 for its mobility and ease of use, as well as the adaptable, updated design that visually fits in with other facility equipment.

“We are extremely pleased with MPE’s willingness and ability to adapt to project and product demands” says Shea. “This, coupled with their openness on costs, process, documents, and the final product provided for a very positive experience.”



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