

Pre-Engineering 3-D Scanner

The 3-D scanners in the attached quotes are the only scanners I found with reverse engineering software available. Because we lack the sophisticated and expensive computer / laser measuring devices, this software enables us to scan complex objects that we are currently incapable of accurately measuring and reproducing, export it as a solid model and import it into the CAD programs that we currently run. Once the 3-D solid models are imported, we would have the capabilities to modify or improve designs accurately without starting from scratch. There are great examples of this on www.nextengine.com.

The Next Engine scanner is the only scanner attached that would enable us to use the scanner in other shops at WCCC. It is portable and the only scanner that doesn't require the part to fit inside of its "box". For example, we could scan an existing part on a vehicle, boat, machine, tool, etc. without having to remove it and potentially damaging it in the process.

The Next Engine scanner and software will also work seamlessly with our Dimension Elite rapid prototype machine. Used together, we will be able to scan, modify, improve, and produce prototypes that would have been impossible for us to even measure previously.