

CAD *Nouveau*
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Thanks for your inquiry into the 3D Creator. Here is some general information on the system:

The 3D Creator is a wireless digitizer. The major components of the system are a hand held probe, a sensor array and a computer controlled image processing unit. The system uses infrared light, emitted from the handheld probe and received by the sensor, to track the measuring probe. The image processing unit computes the location and orientation of the tip of the probe. This data is passed on to a host computer.



The 3D Creator works much like arm-type digitizers, except that it is much easier to use because there are no mechanical limitations to its use or range. The 3D Creator is used to digitize automotive parts, marine components, countertops, just about anything you can imagine.

The 3D Creator works in conjunction with a software program. The system interfaces with many different CAD programs, including ProEngineer, MasterCam, Solidworks, Inventor, SolidEdge, Aberlink, TezetCAD, Unigraphics NX, AutoCad, KeyCreator, Catia, Verisurf and Lectra DC3D. It comes with a software “plug-in” to interface to Rhino software.

Different programs are used in different applications. These applications tend to fall into three categories:

Organic shapes: Organic, or curvy shapes such as seat cushions, boat hulls and vases are best suited to Rhino software. Rhino is a program that supports measuring curves and arcs. When used with the 3D Creator, commands in Rhino to define and measure a feature are used, and then data is taken along the curved surface of the object being measured. The data points are then strung together to obtain the curved line.

Inorganic shapes: When reverse-engineering a component, or measuring point-to-point distances, Rhino or Solidworks are good software choices. In this instance, an electronic file of a part is built within the software program in much the same way that an engineer or designer would design the part in the first place. Commands within the software are used to define a circle, cylinder, plane, etc, and then the 3D Creator is used to measure those features on the part. When completed, the part file can then be used to design a mating part, a modified part, or just to have an electronic file of the measured part available.

Pipes, Tubes and wire harnesses: The 3D Creator also works with a program called TeZet CAD. This program, in its various forms, allows you to measure existing tubes, obtain correction data to re-program a tube bending machine to produce tubes that meet the specification, and design new tubes and wire harnesses. These tubes can be exhaust pipes, hydraulic/fuel lines, ATV and sand rail frames, etc. The 3D Creator is especially well suited to this software due to the free-flowing nature of tubes, pipes and wire-harnesses.



The system sells for \$17,695.00.

I have attached some documents to this email that I hope will also be of use to you. Please let me know how I can be of further assistance.



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