



"LK chose to license the HOOPS 3D Application Framework for its ease-of-use, power and rich functionality. Our users were asking for a significantly enhanced visual product with superior performance and file load-speeds and HOOPS enabled us to quickly deliver on that request. With HOOPS we were able to ship a significantly enhanced version of CAMIO Studio."

Charlie Edgington, Software Business Director

Business Profile

Product Using HOOPS
CAMIO Studio Software

More Info
www.lk-cmm.com

Industry
CAM

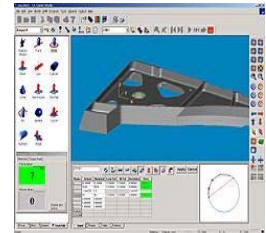
TS3D Products
HOOPS/3daf
HOOPS Stream Toolkit

Company Brief

LK, Ltd is a pioneer in the Metrology fields, offering advanced hardware and software solutions. The company's CAMIO Studio software offers a user-friendly bridge between CAD and CMM programming for several popular CMM hardware solutions.

The Challenge

LK set out to completely revamp its CAMIO Studio software to provide a range of new and powerful 3D functionality. Part of LK's challenge was to accomplish this while still focusing resources on the company's core expertise in metrology hardware and CMM programming. LK sought a graphics toolkit that was sufficiently high level not to require the firm to add additional expertise or increase programming headcount. The LK team also wanted a solution that would work well with the ACIS modeling kernel, provide high performance rendering and interaction and enable market-leading file-load speeds.



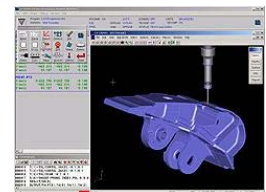
The Solution



LK became familiar with HOOPS/3daf and HOOPS Stream Toolkit because of TSA's longstanding integration efforts with the ACIS kernel, which is produced by Spatial, a TSA partner. After a thorough technical evaluation, LK determined that HOOPS/3daf provided all of the graphics functionality the company needed - and made it easy for LK to associate non-graphical data with the visual information on the screen. Already tightly coupled with the ACIS kernel, HOOPS made it unnecessary for LK to undertake the integration. In addition, LK was able to leverage the HOOPS Stream Toolkit to create a custom format combining ACIS and HOOPS data in a compressed form to meet the demanding requirements for file load speeds.

The Results

- LK was able to exceed the expectations of its customers - who wanted a significantly enhanced visual product with superior performance and file load-speeds - without having to add developer headcount or making significant investments in expanding internal expertise.
- The existing partnership between TS3D and Spatial, and TS3D's expertise working with the ACIS modeling kernel, greatly eased coordination issues between the ACIS and HOOPS components.



About Tech Soft 3D

HOOPS toolkits from Tech Soft 3D (TS3D) dramatically simplify the design, development and maintenance of high-performance, interactive 2D/3D engineering software. HOOPS components are part of over 175 commercial software applications that run on millions of desktops worldwide. Headquartered in Berkeley, CA, TS3D is on the web at <http://www.techsoft3d.com>. For more information, contact Ron Fritz, Managing Partner: 510.883.2180 x 201 or ron@techsoft3d.com.