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HighRES Releases HALODECK DESIGN the Integrated Mid-Level 3D Reverse Engineering Software for AutoCAD 2000 & Mechanical Desktop 4.0

December 14, 1999—La Jolla, California—HighRES, Inc., today announced it has shipped HALODECK DESIGN the integrated 3D reverse engineering software for Autodesk 2000 & Mechanical Desktop 4.0. It is the 2nd in line of the three integrated HighRES flagship products for the AutoCAD & Mechanical Desktop software. This software solution allows AutoCAD and Mechanical Desktop users to move into the world of cutplane technology to re-create complex 3D surfaces and solids from existing molds, models or parts and visualize, analyze and critique 3D product design in real-time.

HALODECK DESIGN builds on the entry level HighRES HALODECK REVERSE ENGINEER free form modeling software and delivers additional 23 new features and enhancements including tolerance control, cutplane manipulation, UCS offset controls and a myriad of 2D/3D "automated smart features". Targeted at mechanical designers and engineers who typically design molds, models and parts, HALODECK DESIGN incorporates the "smart digitizing" features that dramatically decreases the overall reverse engineering time resulting in a significant increase of productivity on the shop floor.

"Until recently, design engineers have been using the traditional measurement method of calipers and calculations to get their physical parts into CAD, said Braxton Carter, president of HighRES, Inc." "By implementing advanced "smart digitizing" features and manipulated cutplane technology teamed with the standard CMM's in

the market place today, we have been able to significantly increase the number of projects that could have been completed within the same time frame as traditional methods. Our customers told us that their individual reverse engineering applications are unique in the world of design and that many jobs have been turned away for lack of a time sensitive solution. This customer driven solution on a desktop platform will definitely provide them with the power functionality that will not only meet their needs, but will also significantly increase their production capabilities."

This software captures primitive geometric entities and provides immediate access to create complex NURB based surface geometry and solids. The ability to reverse engineer your part as a 3D model and check critical inspection points in "real-time" is a great time-saver for the design world and provides a direct link to several portable 3D digitizers including: MicroScribe & FARO. AutoCAD and Mechanical Desktop inherits the HALODECK DESIGN digitized entities and these part files reside directly within the AutoCAD or Mechanical Desktop feature hierarchy maintaining seamless data interoperability.

Key Features of HALODECK DESIGN include tolerance control, cutplane manipulation, UCS offset controls and a myriad of 2D/3D "automated smart features". Tolerance control filters the digitizer points and allows the engineer to establish a pre-determined tolerance relative to his cutplane digitizing session. Cutplane manipulation allows the engineer to establish strategic cutplanes through the part prior to collecting the digitized surface geometry. UCS offset controls are seamlessly integrated and allow cutplane UCS to move to a new user defined position.

Streamlined user interface of icons and "smart features" makes use of behind the scene programming techniques and support the automated functions necessary to establish the geometry of circle radius, circle 3 point, 3 point arc and corner corner rectangle.

Pricing and Availability

HALODECK DESIGN is distributed exclusively through the HighRES distribution channel and is priced as an integrated AutoCAD 2000 and Mechanical Desktop 4.0 software application, domestic and internationally (\$5,295 USD). For more information on HALODECK DESIGN, visit the web site at: www.Reverse-it.com or call 858-488-4231.

About HighRES, Inc.

HighRES, Inc. headquarters in La Jolla, California, develops, manufactures, markets and supports advanced 3D reverse

engineering software and 3D digitizing hardware solutions worldwide. The HighRES software is used as an integrated and seamless freeform modeling tool to create wireframe models of complex shapes and surfaces for AutoCAD, Mechanical Desktop, Mastercam & CADKEY. This highly evolved and advanced solution allows Engineers, Manufacturers, Mold Makers, Designers, Film Makers, Animators and Artists to digitize physical molds, models or parts and create industrial strength 3D wireframe models as standard IGES 128 NURB surfaces and ACIS, PARASOLIDS & CAD/Graphics file formats. In parallel the HighRES software links CAD/CAM packages to 3D CMM's such as the MicroScribe, FARO, POLHEMUS & ROMER digitizers. Development efforts include custom programming for unique customer applications. Specialized training and consulting for digitizing hardware is also available. For more information please visit the HighRES web site at www.reverse-it.com or contact us at (858) 488-4231, M-F.

About Autodesk

Autodesk is the world's leading supplier of PC design software and digital content creation tools. One of the largest software companies in the world, Autodesk has more than four million customers in over 150 countries. For more information, contact any Authorized Autodesk Reseller, call Autodesk at 800-964-6432, or visit the About Autodesk section of the Autodesk website. Autodesk shares are traded on the Nasdaq national market under the symbol ADSK

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