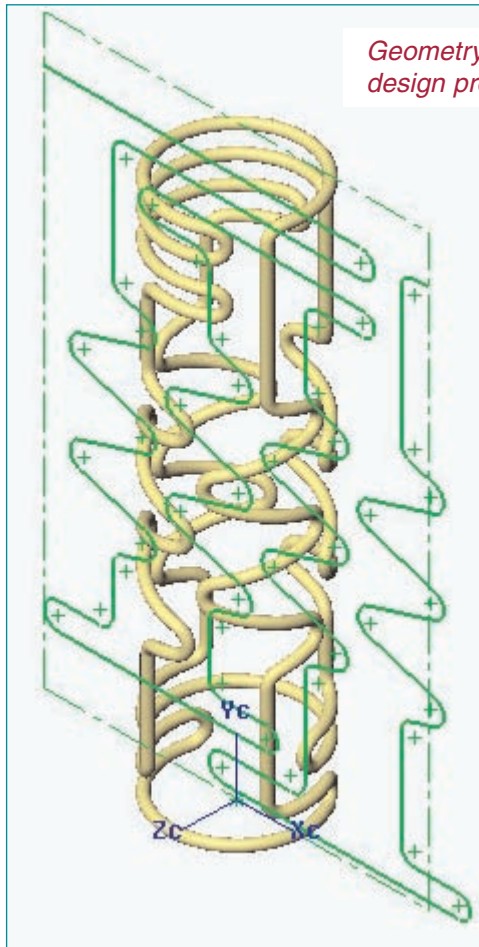# GeometryWorks3D – Version 3

Advanced Surface Modeling for SolidWorks™

Every product design engineer has faced the pressure of looming deadlines while working with a complex, challenging surface design. This is especially true in the bio-medical and industrial design environments. GeometryWorks 3D is the industry's first freeform surface modeling software to meet this challenge by offering single-window integration with SolidWorks 2003.

GeometryWorks 3D can handle the most complex surface design problems accurately and efficiently.

Integrated Modeling Makes the Task Faster and Easier

As a SolidWorks Gold Partner, 3Ci works closely with SolidWorks to provide a truly integrated design environment which takes full advantage of both technologies. This powerful combination allows designers to optimize even complex designs quickly, without ever having to leave the SolidWorks native environment. The results: faster design cycles, shorter time-to-market, and reduced costs.

Version 3 Adds New and Enhanced Capabilities

New in Version 3:
· Helix spline and helix tube creation
· Helix tube surface around a helix spline creation
· Blanket surface creation, merging multiple surfaces into one regardless of gaps or overlaps
· Surface creation using cross sections and guide curves
· Access to geometric properties for any point, line, arc, circle, ellipse, conic, spline, plane, or surface
· Surface-to-surface QA checking of min-max distance at any angle of deviation between two surfaces
· Wrapping a 2D sketch or solid face extraction to a pre-defined cylinder
· Wrapping a tube around a cylinder from a 2D sketch
· Wrapping a spline around a cylinder from a 2D sketch
· Parametric pitch and radius controls for helix tubes
· Parametric RHO conic
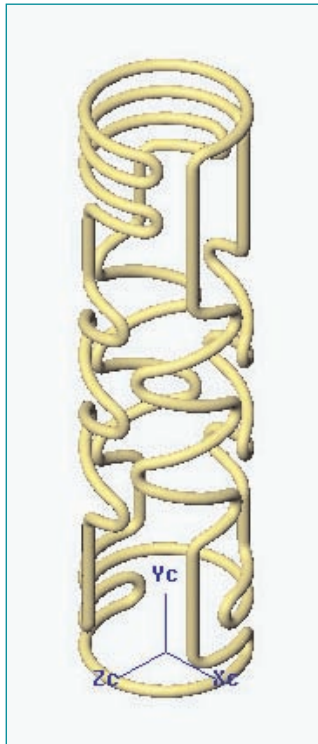· Spline-driven slope

Enhanced in Version 3:
· Surface map to a plane
· Surface mapping system
· Offset line from a line (arc length driven by degrees and radius)
· Improved intersection routine using trimmed or untrimmed surfaces

System Requirements for GeometryWorks 3D – Version 3

· Operating System: Windows 95, 98, NT 4.0, 2000, or XP
· Native Application: SolidWorks 2000 (SP4) or later. Some GeometryWorks 3D
  – Version 3 features require SolidWorks 2003 for full functionality.
· Documentation Viewer: Adobe Acrobat Reader 4.0 or higher
· Hard disk space: 16 MB minimum, 26 MB preferred

Affordable Power and Quality in Surface Modeling Software

The advanced capabilities and efficiencies of GeometryWorks 3D – Version 3 are surprisingly affordable. Why not visit us at www.cadcamcomponents.com http://www.cadcamcomponents.com/ and download a trial version to evaluate for 15 days free of charge? You can also see example applications, locate your nearest reseller, and find out much more about the affordable power of GeometryWorks 3D – Version 3.

About CAD/CAM Components Inc.

CAD/CAM Components, Inc. (3Ci) is a private company headquartered in San Juan Capistrano, California. The company's mission is to bring advanced surface modeling technology to the SolidWorks native environment. Our 40 years of surface modeling technology experience in the aerospace industry has enabled us to pioneer software modeling techniques for complex geometry creation and freeform surface modeling totally within the SolidWorks native environment. 3Ci is a certified SolidWorks Gold Partner. For more information, visit us at www.cadcamcomponents.com or call us at 949.728.1309.

About SolidWorks Corporation

SolidWorks Corporation is a Dassault Systèmes S.A.company (NASDAQ: DASTY) that develops and markets software for mechanical design, analysis, and product data management (PDM). Founded in 1993, SolidWorks mission is to unleash the power of 3D modeling and foster collaboration within the user community. SolidWorks has sold more than 245,000 user seats through a global distribution and support network. For more information, visit www.solidworks.com http://www.solidworks.com/ or call 800.693.9000 in North America, 978.371.5000 elsewhere.

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