products

Company	Products Offered	Product Description
Acronym Software, Inc. www.acronym.ca 519.885.2454	**SODA 4: Structural Optimization Design & Analysis**	Software for the analysis and design of steel frameworks. Analyzes and designs steel frameworks subject to AISC and CISC standards. The latest release has new toolbars, a faster analysis engine, an enhanced output viewer, and an editor for steel cross-sections.
ATIR Engineering Software www.ATIR.com 847.677.1945	**STRAP Version 12.5**	A 3D static and dynamic, frame and finite element analysis and design system. Pre- and post-analysis options quicken and simplify data input and results interpretation. Postprocessors include steel, concrete, and light gauge steel design.
	STRAP BRIDGE	A postprocessor for bridge design, the program creates 3D influence lines for any point on the bridge and calculates the critical effect of the vehicle loads.
Autodesk www.autodesk.com 415.507.5000	**Autodesk Revit Structure**	Building information modeling (BIM) software for structural engineering, design, and drafting. It offers concurrent multi-material structural modeling for layout, coordination, and documentation—and bidirectional linking to analysis and design applications.
Bentley Systems, Inc. www.bentley.com/structural 800.Bentley	**RAM Structural System**	Specifically developed for building designers, this fully integrated suite of building analysis, design, and drafting software automates the most time-consuming design tasks, such as gravity and lateral load generation and fully integrated design of deep and shallow foundations. CAD files for floor framing plans, foundation plans, frame elevations, and beam and column schedules are automatically produced, all from a single model.
	RAM CADstudio	Providing the "missing link" between the analytical model and construction drawings, the program works inside AutoCAD to help create and manage all construction documents. It offers integration and efficiency to both engineers and CAD specialists by keeping drawings current and projects on budget.
	STAAD.Pro	An FEM analysis and design tool for any type of project including towers, culverts, plants, bridges, stadiums, and marine structures. Includes an array of advanced analysis capabilities including linear static, response spectra, time history, cable, pushover, and nonlinear, and eliminates the man-hours required to properly load a structure by automating the forces caused by wind, earthquakes, snow, or vehicles.
	RAM Connection	Assigns connections directly to a building model and can automatically consider member geometric and material properties, and the analytical results, to help the user choose the best connection. It designs or checks shear, moment, and brace connections, and produces details in DXF format designed to go directly into construction drawings.
Cascade Consulting Associates, Inc. www.strucalc.com 800.279.1353	**StruCalc 7.0**	Includes ten modules for the design of beams, columns, joists, rafters, and footings. Has values for steel, wood, tube steel, glulams, I-joists, and flitch beams. Now with Steel angles.
Computations & Graphics, Inc. www.cg-inc.com 303.668.1091	**Real3D-Analysis**	An accurate, user-friendly design program for structural analysis.
	RcSections	A concrete section analysis and design program.
Computers & Structures www.csiberkeley.com 510.845.2177	**SAP2000**	A structural program that features a sophisticated, intuitive, and versatile user interface for engineers of all types.
	ETABS	Awarded the Top Seismic Product of the 20th Century, the program has evolved into a completely integrated building analysis and design environment, redefining the standard for integration, productivity, and technical innovation.
	PERFORM 3D	A highly focused nonlinear software tool for earthquake-resistant design that can analyze complex structures, including intricate shear wall layouts, using a wide variety of deformation-based and strength-based limit states.
CSC World Ltd. www.cscworld.com	**TEDDS**	A productivity tool for day-to-day repetitive calculations, this software replaces hand-written calculations.
	Fastrak Building Designer	A comprehensive, dedicated solution for the design of structural steel buildings.
Daystar Software, Inc. www.daystarsoftware.com 816.741.4310	**Multiframe**	A fully graphical structural engineering design and analysis software tool for 2D and 3D modeling. Featuring fast, interactive graphics, it provides exceptional ease of use combined with powerful static or dynamic analysis capabilities.
	Daystar FootingMaster	Calculates a complete analysis and design of concrete wall footings with wall offsets and rectangular spread footings with column offsets using your choice of the UBC, BOCA, SBCCI, or ACI building codes.
	Daystar RetainWall	Calculates a complete analysis and design of concrete and masonry cantilevered retaining walls based on the IBC, UBC, BOCA, SBCCI, or ACI building codes.
Design Data www.sds2.com 402.441.4000	**SDS/2**	3D computer modeling software product allows steel detailers, fabricators, engineers, and erectors to access the same 3D model simultaneously from anywhere in the world.
Devco Software, Inc. www.devcosoftware.com 541.426.5713	**LGBEAMER v7 pro**	For design of cold-formed steel studs, joists, channels, and zees, including the 2004 NASPEC Supplement. Features complete load and span modeling, tools for shear walls, x-braces, walls with openings, floor joists, and more.
Digital Canal Corporation www.digitalcanal.com 800.449.5033	**Digital Canal Structural Expert Series**	This comprehensive set of programs for structural design includes Frame Analysis and Design (AutoCAD-based frame analysis and design), VersaFrame (frame analysis and design outside of AutoCAD), Steel Beam/Column Design, Concrete Beam Design, Concrete Column Design, Timber Beam/Column Design, Wind Analysis, Retaining Wall Design, Masonry Wall Design, Spread Footing Design, Combined Footing Design, and Pile Cap Design.

products

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Dlubal Engineering Software GmbH www.dlubal.com 49.0.9673.9203.0	**RFEM 3D**	Determines the deformations, internal forces, and stresses according to the FEA method. The application range covers complex steel frames, detailed-modelled connections, plant constructions, or glass frameworks.
	RSTAB	Analyzes the internal forces of 3D structures. With its add-on modules for steel design or dynamic analyses, the software is primarily known for its graphical interface and low learning curve.
	SHAPE	A tool to analyze any thin-walled cross-sections, it includes a vast section library that can be used to compose new sections by modifying or adding new elements.
Georgia Tech - CASE Center www.gtstrudl.gatech.edu 404.894.2260	**GT STRUDL Version 29**	For comprehensive frame and finite element modeling, finite element analysis, steel design, and reinforced concrete design with graphical display of analysis and design results.
Integrated Engineering Software, Inc. www.iesweb.com 800.707.0816	**VisualAnalysis Standard Package**	Every toolbox needs a hammer! This quick, easy, and versatile package serves as the "hammer" for steel, concrete, wood, and cold-formed steel design.
	ShapeBuilder	A section-properties calculator on steroids, it calculates geometric and structural properties, and also does stress analysis, torsion, composite, cracked, and effective properties.
	IES QuickSuite	This suite of products checks footings, foundations, and walls (concrete or masonry), and includes Transparent Reporting, lifting you out of the black-box software quagmire.
	AnalysisGroup	Provides simplified analysis of common structural components, including plate bending, shear walls, mat footings, and more, with key goals of productivity and high-quality reporting.
Integrated Structural Software, Inc. www.robot-structures.com 888.477.8491	**ROBOT Millennium v20**	Integrates simple and advanced analysis/design with easy model generation and auto-meshing, and is dedicated to various steel and concrete codes.
	ESOP (Engineering Software Open Platform)	Developed for component design and analysis and based in Microsoft Excel, it can communicate with ROBOT Millennium via the ROBOT Open Standard (ROS). Steel moment connection design and model creation are two capabilities.
King & Associates LLC www.spacegass.com 888.844.9608	**SPACE GASS 10.4**	A 2D and 3D analysis and design program with analysis solvers that include linear and nonlinear static, dynamic, and buckling. Design modules are available for AISC-LRFD, AISC-ASD, EUROCODE 3, and BS5950:2000.
LARSA, Inc. www.larsaUSA.com 800.LARSA.01	**LARSA 4D**	Based on a nonlinear engine, this program pioneers the 4th dimension (stage construction) concept, with all other familiar options: linear and nonlinear static, dynamic, Eigen value and response spectra, influence line and surface-based live load, progressive collapse, design, and a modern user interface.
LUSAS www.lusas.com 800.97.LUSAS	**LUSAS Civil & Strutural**	Linear, nonlinear, seismic, blast, buckling, impact, and fire analysis. For simple slabs, building frames, masts, towers, and tanks through to heavy civil engineering structures such as cooling towers, dams, docks, and tunnels.
	LUSAS Bridge	Fundamental frequency, seismic, dynamic, large deflection, and fatigue analysis of bridges. Staged construction, creep modeling, pre-stress, post-tensioning, and curved girder analysis. Vehicle load-optimization facility for worst-case loading assessment.
MDX Software www.mdxsoftware.com 573.446.3221	**Curved and Straight Steel Bridge Design and Rating**	Software for designing and rating curved and straight steel bridges for compliance with the latest AASHTO ASD, LFD, and LRFD specifications.
MIDASoft – TNO DIANA North America http://eng.midasuser.com 800.584.5541	**midasCivil**	Analysis and design software for all bridge types: curved girder, pre-stressed, post-tensioned, segmental, cable-stayed, and suspension. Moving loads and member design to AASHTO LRFD. Nonlinear static and dynamic analyses.
	midasGen	FE software for building and general structures: post-tensioning, column-shortening analysis with creep and shrinkage; pushover and inelastic time history analyses with beam, column, and shear wall design.
	midasSDS	Auto-mesh and design of suspended slabs and piled or ground-supported foundation mats.
	midasFEA	FE analysis software for linear, nonlinear, construction stage, heat transfer, heat of hydration, dynamic, and fatigue analyses using elastic, plastic, visco-elastic, and concrete crack models with interface behaviors and contact.
Omnitech Associates www.desconplus.com 510.658.8328	**DESCONWIN**	Designs shear and moment connections to column flanges, column webs, girders, HSS columns, beams, and column splices. Produces detailed calculation reports, drawings, and DXF files. ASD LRFD versions are available.
	DESCONBRACE	Designs diagonal, chevron, K, and knee brace connections, and produces detailed calculation reports, drawings, and DXF files. ASD and LRFD versions are available in metric and imperial units.
Opti-Mate, Inc. www.opti-mate.com 610.530.9031	**Merlin Dash, Descus I, Descus II,TRAP**	Software for analysis, design, rating, construction staging, and code check of bridges. Code checks and bridge ratings are performed using the AASHTO WSD, LFD, or LRFD specifications. Software titles include: Merlin Dash for steel I-girders, pre-stressed concrete, or reinforced concrete bridges; DESCUS I for curved I-girder bridges; DESCUS II for bridges having curved box girders; and TRAP for truss bridges. User-defined live loads can be investigated.
PROKON USA www.prokon.com 620.640.1029	**PROKON Suite of Structural Analysis and Design Software**	Frame and finite element analysis: Frame gives freedom to design in 2D and 3D. Includes linear, second order, nonlinear, modal, harmonic, and earthquake analysis. Steel member and connection design: Steel member design modules can be used for elastic and plastic design of structural steel members. The steel connection design modules can be used for design of common welded and bolted steel connections.

products

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RISA Technologies www.risatech.com 800.322.RISA	**RISAFloor**	Custom tailored for building design. Graphically lay out floors or import/export CAD plans. Integrates seamlessly with manufacturer's 3D software for gravity and lateral design in one model—steel, concrete, timber, or cold-formed.
	RISA-3D	Software for structural analysis/design of industrial and commercial buildings and many other civil structures can be used to design steel, concrete, timber, or cold-formed. User-friendly interface meets a powerful analysis engine for static, dynamic, and RSA analyses.
	RISATower	Automated analysis and design of stepped and tapered monopoles, self-supporting lattice towers, and some of the world's tallest guyed towers. Includes extensive catalogs of antennas, dishes, and other appurtenances. Adheres to all RS, EIA/TIA, and ASCE 7 codes including the recently adopted TIA-222G standard.
	RISAFoundation	Designs, optimizes, and details foundation systems including mats, footings, and grade beams. Fully integrated with the above 3D and floor products.
SAFI Software www.safi.com 800.810.9454	**Steel Calculator**	Allows the user to verify, design, and optimize steel beams and columns. It is an efficient validation tool to verify design results of specific elements of complex models.
	SAFI Steel Design	Allows the user to verify, design, and optimize the steel members of a structure and composite steel-concrete beams. The unique interface of SAFI 3D allows users to create, analyze, and design complex models.
	Virtual Steel Buildings	This technology stores all design information and intents in a single coherent database and enhances the model with configurable views. It integrates the design processes of aspects such as estimation, engineering, detailing, and fabrication.
SOFTEK Services Ltd. www.s-frame.com 604.273.7737	**S-FRAME**	4D/3D/2D modeling and analysis software features: state-of-the-art graphical interface with folder technology and dynamic grids; staged construction analysis; MDB export/import; inclined diaphragms; automated area loads, notional loads, and story drift.
	S-STEEL	Features: auto-design and code checking for strength and serviceability; automatic governing member identification for optimal design; automated steel quantities; and multiple design code support.
	TEDDS	Microsoft Word-based electronic calculation pad and library of automated structural engineering calculations and tools including: wind and seismic loading, continuous beam analysis, and custom section editor.
Steel Solutions, Inc. www.steelsolutions.com 304.493.6561	**Visual Steel 2000**	Software packages provide integrated solutions for structural and miscellaneous steel fabricators as well as service centers or warehouses. The system is available in four different module groups: Estimator Module Group includes shop models, labor calculation, material estimate reports, and recaps; Fabricator Module Group includes advance bill, mill orders, purchase orders, inventory, cutting lists, shipping, and production control; Service Center Group includes inventory, purchase order, order entry, shop orders, shipping tickets, invoices, and account receivables; Bar Coding includes inventory for moving, counting, and charging, and bill of material for recording, tracking, and shipping.
StrucSoft Solutions www.strucsoftsolutions.com 877.810.7575	**ProSteel 3D**	A complete solution for design, drawing production, and fabrication, this customizable software interfaces with analysis programs and CNC machinery. A light-gauge edition is available.
	LIMCON Connection Design Program	Design program for shear, moment, HSS, and plate connections features DXF export, detailed calculation and visualization reports, and metric or U.S. measurements.
	Jacket 3D	Offshore construction application defines clearances and offsets for welding, joint cans, and reducers. It's integrated with Vernon Tools and is completely customizable.
	Struc-Link	A bidirectional, seamless interface for the transfer of models from AutoCAD (ProSteel 3D) to various analysis software packages.
Structural Design Software Solutions, Inc. www.sdss.biz 905.681.2166	**ANSYS/CivilFEM v10**	Unique, powerful, and functional FEM software, powered by ISO-certified ANSYS, for all types of advanced civil engineering analysis and design. A total engineering solution that supports all structural ANSYS capabilities including more than 250 new ones.
Structural Engineers, Inc. www.FloorVibe.com 540.731.3330	**FloorVibe v.2.0**	Analyzes floor framing (rolled beams, castellated beams, joists, and joist-girders) for occupant-caused vibrations using criteria from AISC/CISC Design Guide 11. This version supports SI units.
Tekla, Inc. www.tekla.com 877.TEKLA.OK	**Tekla Structures**	According to the manufacturer, it's the first structural building information modeling (BIM) system covering the entire structural design process from conceptual design to detailing, fabrication, and construction.