



Hot Products

HOT PRODUCTS ARE HERE! These products were all on display at the 2018 NASCC: The Steel Conference in Baltimore this past April and represent the wide range of machinery, technology and other products that service the structural steel industry. All product and software information was submitted by the manufacturers/developers. This list does not constitute an endorsement by *Modern Steel Construction* or AISC.

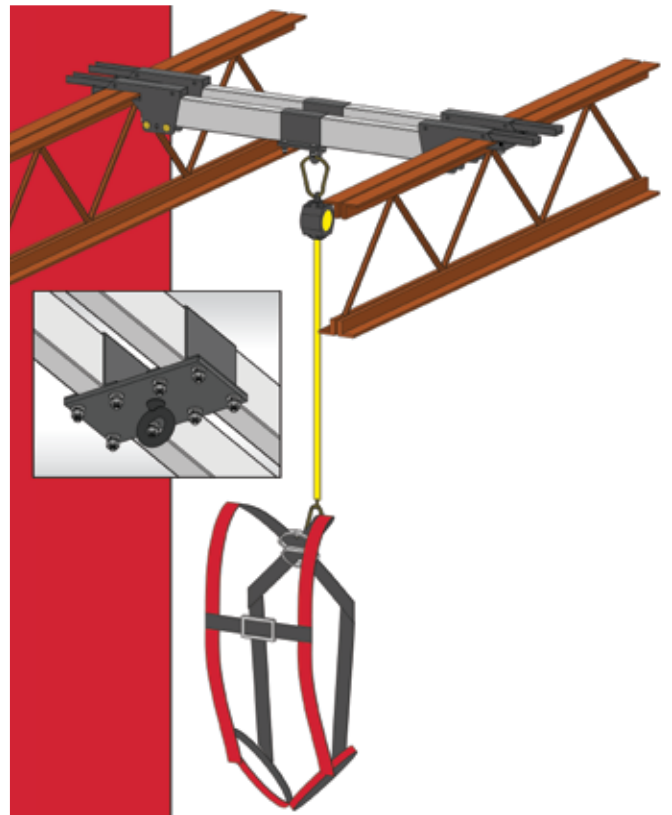
Hot Products



Taylor Devices Open Space Damping System

This new application of proven fluid damper technology provides all the benefits associated with adding damping for seismic and wind protection of structures with minimal blockage of building bays. Until now, all damping systems such as diagonal braces, chevron braces, wall dampers and toggles braces would visually and physically obstruct the bays where they are installed, thus resulting in occasional rejection of the damping system by the architect or owner. The Open Space Damping System uses simple mechanical linkages to allow the system to be located around the perimeter of the bay, thus resulting in virtually no change in the bay's appearance. Simple linkages and mechanisms provide a damping system to remove vibration energy that is as effective as a diagonal brace without consuming an entire bay to implement the system.

For more information, visit www.seismicdamper.com or call 716.694.0800.



Chicago Clamp Fall-Protection Anchorage

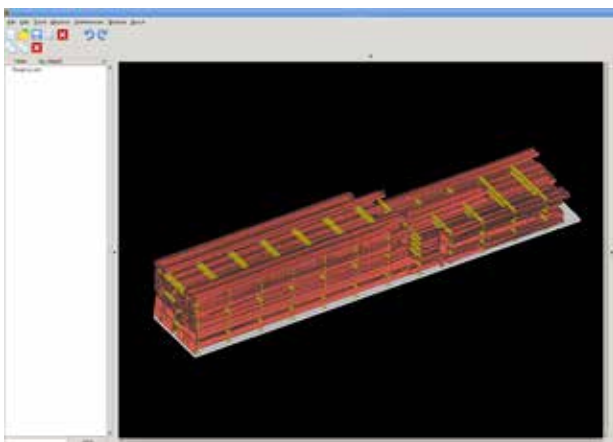
Fitting in the corrugations of standard roof deck, the headers of this improved fall-protection system slide into place and clamp to the top chord of the bar joist or wide-flange supports. Together, the headers and clamps easily form an anchor point. This new system now fastens to two joists, not just one, resulting in a safer, more balanced work environment. The EOR is responsible for the structural analysis of the building joists to ensure capacity.

For more information, visit www.chicagoclampcompany.com or call 708.343.8311.

Fortosi

Fortosi allows users to select members from an imported IFC file, generate an accumulated weight list and place members onto a trailer either manually or automatically. The program then performs an analysis to determine if the load on the truck is balanced and meets the truck loader's requirements, such as for height and weight. It then produces documentation—complete with a bill of lading—to direct the loader to the correct position and primary dunnage location.

For more information, visit www.fortosi.com or call 800.443.0782.



Hot Products

Simpson Strong-Tie End-Plate Link

The new Yield-Link end-plate link (EPL) for shallow-beam applications has a welded shear tab attached to a bolted end-plate connection. This link has the same features as the original Yield-Link, with the added advantage that it can be used with shallower beams. The EPL is designed to fit onto beams that are 8½ in. deep to create additional height clearance for tight spaces, such as residential parking garages. The new link is ideal for retrofits of existing buildings, such as soft-story buildings, that require a cost-effective solution that adds needed structural strength, stiffness and ductility to protect the building and its occupants. The solution is also suitable for new construction where the design requires shallow beams to create larger openings or flush ceilings where used within a 14-in. joist system.

For more information, visit www.strongtie.com or call 800.999.5099.



ASCE 7 Online

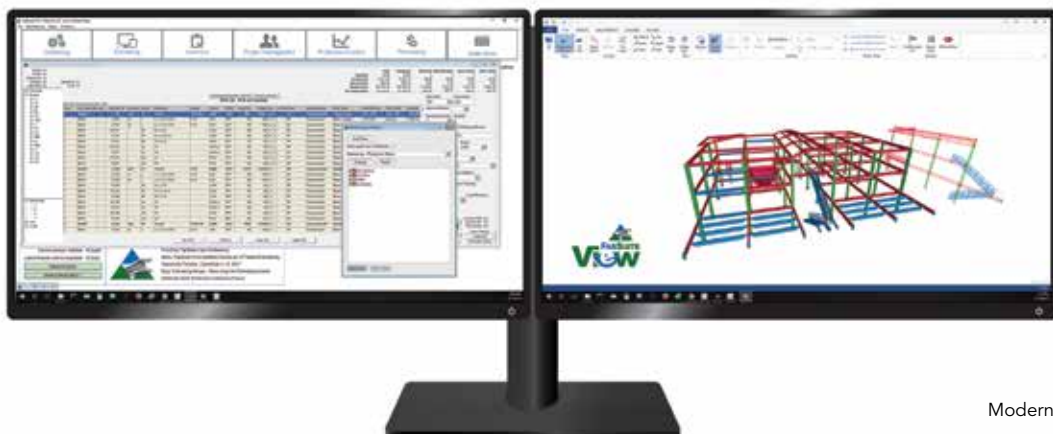
ASCE 7 Online from the Structural Engineering Institute of the American Society of Civil Engineers (SEI of ASCE) replicates the complete provisions and commentary of *Minimum Design Loads and Associated Criteria for Buildings and Other Structures* (ASCE/SEI 7-16) within a suite of interactive tools and feature-rich functionality. This XML web-based platform is specifically designed to allow engineers to gather valuable information essential to their project in half the time. The tool includes access to both the 7-16 and 7-10 editions, convenient side-by-side display of the provisions and the commentary, redlining to track changes from previous editions, real-time updates of supplements and errata with date stamps, toggling between Customary and SI unit measurements, annotation and bookmarking tools and advanced search feature to limit a search to specific chapters or sections or specific types of content such as captions, tables and references.

For more information, visit www.asce.org or call 800.548.ASCE.

FabSuite View

FabSuite View now integrates 3D models with FabSuite's Steel Management Software. The new product allows unrivaled insight to your estimate or project and enables you to visualize project progress in the model, improve communication with the project team and increase your efficiency and accuracy. It represents the most powerful combination of MIS and BIM available on the market and is the most powerful way to drive every function of your shop.

For more information, visit www.fabsuite.com or call 757.645.0842.



Hot Shop Equipment

Plenty of machinery was on offer to enhance shop efficiency.

Inovatech Engineering SteelPro700

The SteelPro 700 robotic plate-cutting table powers up your productivity and improves part quality with better reliability and ease of use versus non-robotic tables. The 700 features a six-axis Fanuc M-10IA robot and dual-drive servo motors. Its conventional-style gantry is guided by the finest, high-precision Güdel motion control system. Powered by Hypertherm's new XPR300 plasma system, the robot easily switches from standard to bevel cutting with no special equipment or extra setup time. Thanks to Inovatech's progressive approach to state-of-the-art plate table cutting, the 700 stands alone in today's market due to sensible integration of standard fabrication methods with advanced robotic technology and powerful SteelPRO robotic software.

For more information, visit www.inovatechengineering.com or call 877.453.0517.



Ficep Rapid CNC Angle Line

In Ficep's new Rapid series of angle drill lines, each drill has its own sub-axis so the spindles can be quickly positioned along the length of the angle while it remains stationary for enhanced productivity. These features enable holes in both legs of the angle to be drilled simultaneously at incredible speeds. Automatic deburring of the drilled hole can also be incorporated into the Rapid. The sub-axis feature also enables the milling of slots and large holes. Even the removal of an angle heel can be milled for clearance purposes. The Rapid can also be equipped with optional programmable notching capabilities to address typical operations without the need to change tooling for different typical notches. Final part cut-off can be achieved with either a hydraulic shear or a circular carbide saw that can part an 8-in. x 8-in. x 1-in. angle in less than 15 seconds.

For more information, visit www.ficepcorp.com or call 410.588.5800.

Controlled Automation MultiMAX – Signature

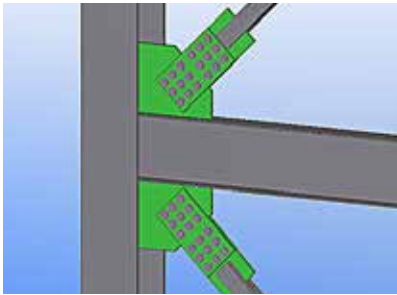
The Controlled Automation MultiMAX– Signature Edition is a new flagship gantry plasma-cutting machine for the structural steel fabricator. This model is built with the latest Hypertherm XPR300 autogas plasma system with True Hole for AISC-approved bolted hole connections. Processing capabilities include up to 10-ft x 20-ft plate and oxyfuel cutting capabilities of more than 6 in.

For more information, call 501.557.5109 or visit www.controlledautomation.com.



Hot Software and Online Tools

Several software vendors showcased new versions of established software packages in the perpetual quest to make design, analysis and workflow more efficient, intuitive and accurate.



GIZA v18

GIZA is a connection design software package for engineers, detailers and fabricators. It works as a stand-alone tool and also has integration capability with Tekla Structures. GIZA supports connection design for 129 different connection configurations and 200 different design configurations. We provide full calculation reports along with the AISC design references. Among the types of connections covered are shear, shear w/axial, moment connections (welded and bolted) and vertical brace connections. The latest version provides new functionality to support a paperless review process for project connection design submittals or in-process project collaboration of connection design issues.

For more information, visit www.gizasteel.com or call 314.656.4615.



Trimble Tekla Structures

Tekla Structures 2018 provides improved productivity and workflows for steel detailing and drawing production through a multitude of improvements and new features that speed up modeling, enhance collaboration and enable better drawing creation. With new point cloud functionality, users can import and overlay native point cloud files on a Tekla Structures model for comparison, or use point cloud data to generate a 3D model, for coordinated, constructible designs that fit existing structures seamlessly. In addition, users can now link documents including PDF drawings, DSTV (CNC) and IFC files to model objects in Trimble Connect, Trimble's cloud-based collaboration platform. Enhancements have also been made to Model Sharing, which allows multiple users to collaborate on a single modeling project regardless of location or the speed of their internet connection. The overall focus is on increasing productivity so users spend less time checking and tracking changes—and more time on modeling and drawing.

For more information, call 877.TEKLA.OK or visit www.tekla.com/us.



Steel Joist Institute The Roof Bay Analysis Tool

SJI's Roof Bay Analysis Tool has been developed to assist the structural engineer of record with selecting optimal bay sizes and framing options. The tool provides a number of input options that allow for customization based on project criteria and designer preference as well as owner and code requirements. Also included is a new Ponding Analysis option to further assist the engineer in properly evaluating additional loading conditions. Roof Bay Analysis V 3.0 is available as a free download.

For more information, visit www.steeljoist.org or call 843.407.4091.



Descon Plus Descon 8

Working with shear, moment and bracing connection configurations, Descon 8 allows the engineer an extreme amount of design versatility. Designs are custom-built with shear, moment and gusset-to-column type options that can be changed on-the-fly at any time. Dimensions, welds, number of bolts, force values, etc. allow edits as needed, tracking what has been edited with checkboxes for transparency that can be followed. Similarly, the capacity gauges, five drawing views and comprehensive report are all designed for transparency. Compared with earlier versions of the software, design time is cut in half, thanks to a friendly, easy-to-learn user interface. All of these features apply to an extensive list of supported connection configurations, further enhancing the amount of design options available to the engineer.

For more information, visit www.desconplus.com or call 888.8DESCON.

Hot Software and Online Tools



Bluebeam Revu 2018

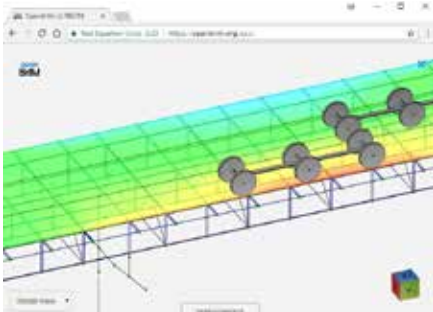
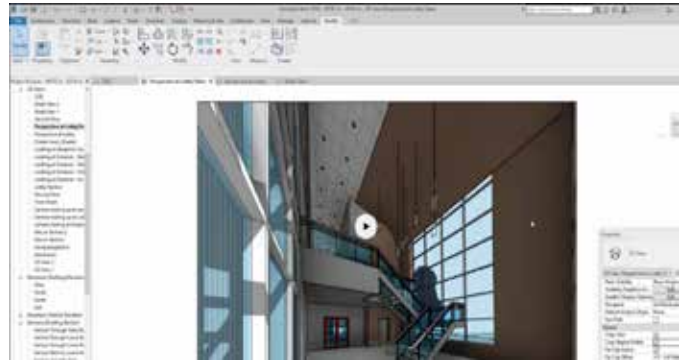
Revu 2018 is designed to be aware of what you're doing, presenting the tools you're most likely to need based on your input. For example, the new dynamic Properties Toolbar keeps the most commonly used features and commands right at your fingertips. Improved panel views stay out of your way and leave more room for documents and drawings, so you don't have to waste time rearranging your workspace. Studio Projects in Revu now let you access files across multiple projects at once, with a new dashboard-style interface that provides a better view of everything you're working on. Need an even shorter path? Now you can add custom keyboard shortcuts to export and share with your whole project team.

For more information, call 866.496.2140 or visit www.bluebeam.com.

Autodesk Revit 2019

New and enhanced Revit features in the 2019 version support consistent, coordinated and complete modeling for multidiscipline design that extends to detailing and construction. These features include multi-monitor support and tabbed views, the option to display levels in 3D views, uncropped perspective views and the ability to apply both foreground and background fill patterns in cut or surface.

For more information, visit www.autodesk.com or call 855.301.9562.



OpenBrIM Platform

OpenBrIM is the first and only community-driven, collaborative, fully parametric, in-cloud information modeling platform for detailed 3D modeling, analysis, design, construction, fabrication, rating and maintenance of bridges.

For more information, call 212.991.8956 or visit www.openbrim.org ■