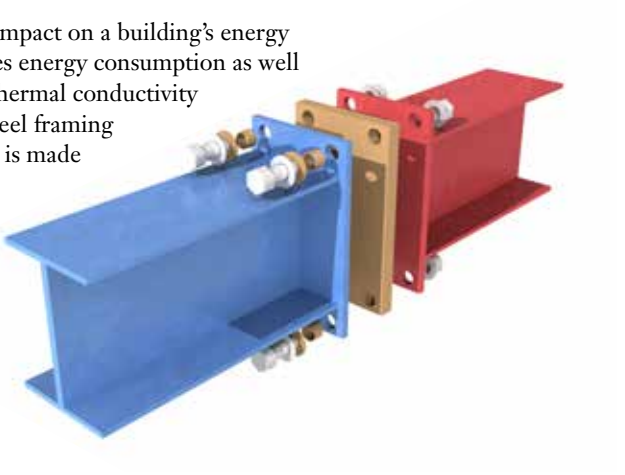
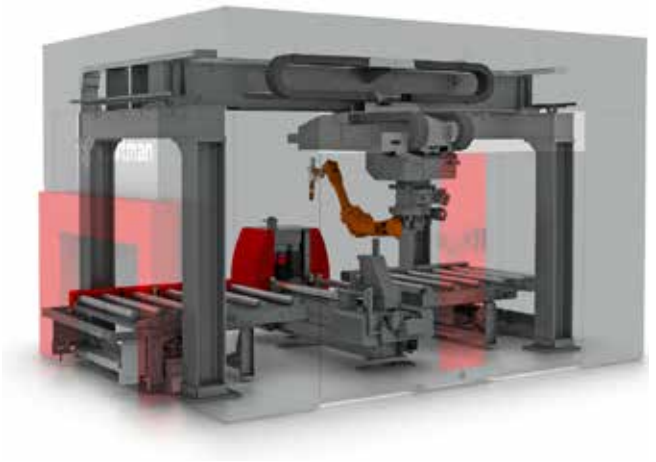
ARMADILLO ARMATHERM

Thermal bridging through steel and concrete framing can have a significant impact on a building's energy performance. Reducing heat flow within a building's thermal envelope reduces energy consumption as well as potential condensation issues. Armatherm provides a combination of low thermal conductivity and high compressive strength and has been used in hundreds of structural steel framing connections, transferring load in moment and shear conditions. The material is made of a reinforced, thermoset resin, which is fire-resistant, does not readily burn and has very limited creep under load, making it the ideal material for use in structural and façade thermal break connections. It can be used anywhere a penetration or transition creates a thermal bridge in a building envelope. Solutions using Armatherm to minimize heat loss can include balcony, canopy, parapet, masonry shelf angle, cladding/Z-girt and curtain wall mullion connections. Heat loss in wall assemblies can be improved by as much as 60% to 70%.



For more information, **visit www.armadillonvinc.com** or call 800.580.3984.



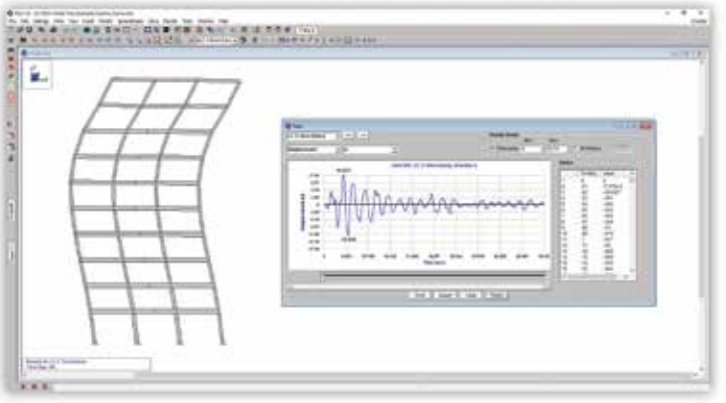
VOORTMAN V808

The Voortman V806 was introduced over a decade ago, though Voortman came to realize that a six-axis system would fall short of many fabricators' needs by not being able to cut or layout on the underside of the material. So in 2010, the V808 was released and solved the problem by adding two more axes, and has been acknowledged as the most versatile plasma cutting system for structural shapes on the market. And now, Voortman has released the next benchmark in plasma and oxy-fuel cutting, the new V808. The latest design Panasonic robot has been implemented for both accuracy and speed of operation. The frame has been redesigned to reduce the footprint. And the rigidity of the machine has been improved to support the increased speed and motion of the robot. These improvements all lead to unmatched cut quality and production output on a wide range of structural profiles up to 730 lb. per ft.

For more information, visit **www.voortman.net** or call 1.815.468.6300.

RISA-3D TIME HISTORY ANALYSIS

RISA-3D v14 introduces a new Time History Analysis feature. This allows the user to input their loading as a function of time, enabling the load magnitude and direction to change over a designated time period. Results can then be viewed at any time step, including an envelope of all time steps. This feature is very useful for the analysis of frames or slabs that support vibrating equipment. Start-up and Run-down analysis can easily be included with the equipment vibration. Time History can also be used to simulate a specific earthquake on a structure or apply a blast load. An animated video can also be displayed or exported showing the structure's movement. A video demonstration and tutorial are available at **www.risa.com/newfeatures**.



For more information, visit **www.risa.com** or call 800.332.RISA.