

# ORION STREET JOURNAL

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O R I O N I N D U S T R I E S I N C O R P O R A T E D

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EMI/RFI Shielding Laminates • Insulators • Seals and Gaskets • Screens

Precision Die Cutting • Laminating • Adhesives • Screen Printing

ISO 9001:2008 REGISTERED

## Donation of Quality Inspection Equipment



ORION employees Sean O'Sullivan, Quality Manager and Ryan McCrillis, Manufacturing Engineer graduated from the University of Massachusetts at its Lowell campus. Glen Bousquet (far right) is the Mechanical Engineering Lab Manager at the school.

ORION® has recently donated a piece of its CMM inspection equipment to the University of Massachusetts. The system will be used by the students in the UMass Lowell mechanical engineering lab to make various measurements of machined parts.

This donation is especially meaningful since two of ORION's engineers, Sean O'Sullivan, and Ryan McCrillis, are graduates of the UMass Lowell engineering school. Both employees were students of Mr. Glen Bousquet, the Mechanical Engineering Lab Manager.

The donated system is a manually operated MicroVu comparator. It has an 18" x 24" stage, and is equipped with a fiber optic edge detector. This machine is also equipped with a Q2000 computer interface. This allows for the storage and calculation of measurement data based on finding the edges of features. It is especially useful in finding center to center distances of holes and similar features.

We extend our wishes for the future success of the UMass Lowell engineering program and look forward to employing more future graduates at ORION.

## Order Bergquist® Materials Online from ORION

ORION is an approved fabricator and distributor of Bergquist materials. The Bergquist Company is the world leader in the development and manufacture of thermal management products. They produce over 30 different materials designed to transfer heat.

ORION has responded to our customers' needs for ordering Bergquist thermal transfer materials. This online system is ideal for those who find they need only a few sheets of material for samples or to complete small orders, and eliminates long lead times and minimum order requirements.

The ORION® MARKETPLACE is set up for easy click-and-order of the most in-demand Bergquist materials such as Gap Pad®, Sil-Pad® and Bond-Ply®.



<http://www.orionind.com/catalog>

By visiting our website and clicking on the ORION® MARKETPLACE logo, you will be able to view all available materials, review specifications, see how much is in stock, and place an online order for quick delivery.

Materials are available in small, no minimum quantities by the sheet or roll. Online technical assistance is available if needed.

Save even more time and money by allowing us to custom cut parts for you from these materials. Simply email your print for quote or prototype.

Sil-Pad, Gap Pad, Bond-Ply and Bergquist are registered trademarks of The Bergquist Company.

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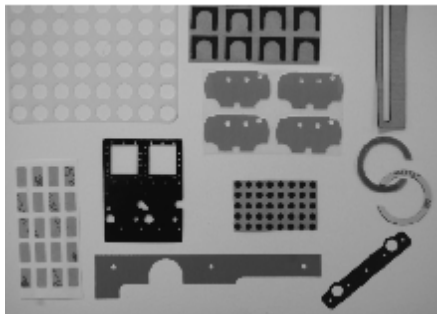
\*Waterjet Cutting \* Laser Cutting \* High Speed Die Cutting \* CNC Drilling and Routing \* Line Bending \* Prototyping

ORION designs and manufactures custom parts, specializing in electrical insulation, gaskets and seals, thermal transfer materials and EMI/RFI shielding laminates.  
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## Season's Greetings from Everyone at ORION



Question: I'm curious as to the type of laser you use and what it can cut?



Parts with significant detailed features can be cut without added expense or long lead times.

The Preco FlexPro CNC laser cutting system provides the speed of galvanometer processing with all the versatility of an XY motion system. Now with both galvo and fixed head processing available on one machine, the FlexPro® may be the only laser we ever need. This system offers large area processing with the tolerances found in small area processing systems. AcuBeam controller features such as AcuPower and closed loop power control allow precise cutting and kiss-cutting over a large area.

Galvo based laser cutting is achieved by steering the laser beam with an array of mirrors that are moving at precise, high speeds. This often gives the impression of the parts simply appearing out of a small puff of smoke! The galvo based laser cutting allows us to cut a wide variety of materials at extremely fast speeds. In some cases this is in excess of 100 in/sec.!

We are able to cut parts with many more detailed features than we could with conventional tooling, without the added expense and lead-time associated with their purchase. This equipment is also capable of roll-to-roll processing for increased throughput and material economy.

The fixed beam laser cutting capability also allows us to cut a wide variety of thick materials such as acrylics, polypropylenes, and wood, along with other laser-friendly materials.

#### Typical Applications include:

- Insulators
- Gaskets
- Medical Diagnostics
- Card Stock and Paperboard
- Flex Circuits
- Membrane Switches

#### Materials Processed:

- Plastics
- Adhesives
- Gaskets
- Laminations
- Papers

Similar to our other CNC based waterjets and router, this laser is suitable for the full range of prototype and production quantities of parts.

Visit our website at [www.orionindustries.com](http://www.orionindustries.com), to see a video demonstration of our laser cutting capabilities, or contact our Sales Manager, Peter Smith, for a firsthand look.

## Happy Holidays from our Sales Department

We wish the best of the Holiday Season to everyone!



L-R: Peter Smith, Sales Manager; Maria Sicari, Inside Sales Rep; Steve Husmer, Sales Assistant; Becky Canela, Customer Service Rep; Tony Willson, Sales Rep.

## Growing Problems - It's a Good Thing

In order to support our continued growth during these past few years, ORION has begun an expansion of our offices by creating a new Sales Department wing. Six new offices have been built which will allow the department to more easily work together and provide critical conference space for visiting customers. The department should settle into its new space by the end of November, and their current offices converted to administrative office space.

Our customers are the driving force behind this growth and we thank you!

ORION uses quality materials to produce high quality parts.



ROGERS



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