

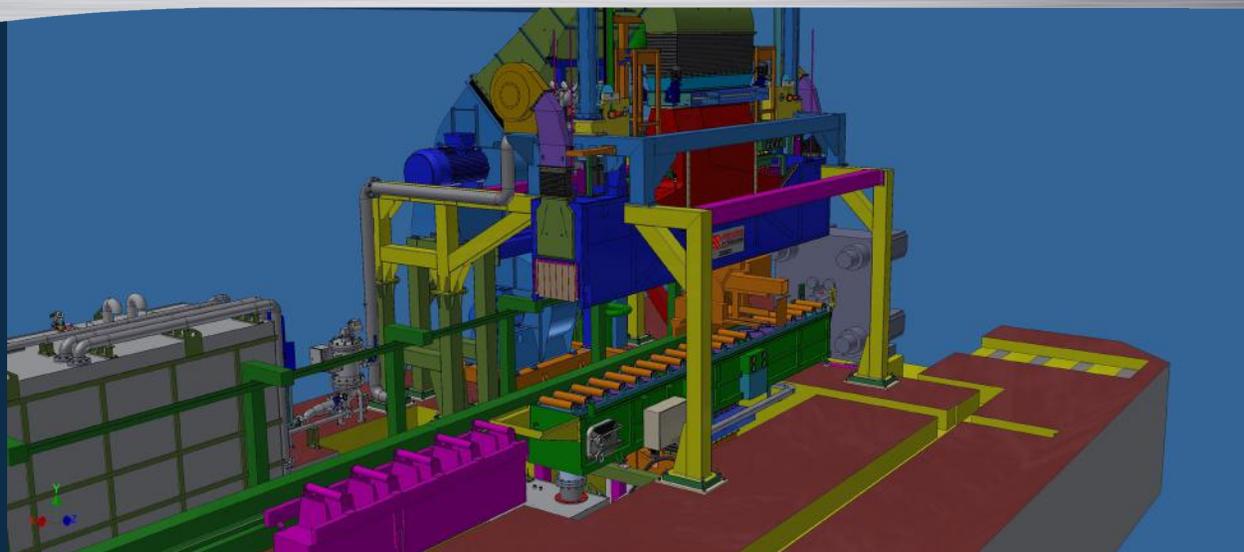
The Quarterly Profile

JANUARY
2016

5 Ways to Reduce Your Manufactured Product Costs

To expand our commitment to help our customers find opportunities to reduce their production costs, we will produce several educational white papers and blog posts throughout 2016. With the help of our resident cost cutting engineer, John Murphy, we will explore areas, such as designing for manufacturability, setting proper tolerances and fabrication techniques, where design engineers can improve their designs and reduce their costs.

Download our first paper, [5 Ways to Reduce Your Manufactured Costs](#), for insights on ways to improve your bottom line.



New Quench System Fulfills Customers' Needs for Greater Hardness & Strength Standards

We are excited to reveal our \$1.5 million investment in a Presezzi HECS high efficiency air and water cooling system. This state-of-the-art machine provides Vitex with the most advanced aluminum extrusion quenching capability in the Northeastern U.S. With this investment, our capabilities are further enhanced to meet customer demands for greater strength and hardness, outstanding machinability, closer shape tolerance control, and improved surface consistency after anodizing.

The energy efficient system allows immediate quench of an aluminum extrusion profile using a high velocity, multi-sided air and water quench system that puts out over 600 gallons per minute of water at nearly 130 lbs. per square inch. Faster cooling preserves the extrusion profile characteristics, mechanical properties and tolerances and ensures even and distortion free cooling of any extrusion shape.

Heavier profiles can be cooled with the highest quench rates necessary for greater strength and best response during age hardening, resulting in the highest, consistent properties and machinability.

The new quenching system is three times more powerful than our prior system, allowing us to cool profiles faster and accelerate our entire production process.

After establishing optimum zone settings for any given extrusion die, the settings can be memorized and the recipe repeated each time a particular die is used, ensuring repeatability and product consistency.

Interested in touring the plant and seeing the new quench system in action? Please let us know, we welcome the opportunity to show you this amazing piece of machinery.

Additionally, your sales representative will be in touch to discuss our new capabilities to produce a wider range of aluminum alloy extrusions ranging from high strength 6xxx series alloy machining bar and rod stock to complex profiles in high and medium strength alloys.

vitexextrusions.com

VITEX
EXTRUSION



State-of-the-Art Device Improves Production Quality & Reduces Measurement Time

Our capabilities to provide consistent products for our customers has been enhanced with the addition of the IM-6225 Image Dimension Measurement System from Keyence. The unit performs hundreds of measurements with a single scan, enabling us to ensure consistent measurement of extruded profiles.

What previously took our engineers 30 minutes to perform, can now be conducted in seconds. With the time savings we will be able to perform more quality checks throughout the production process. Measurement results are automatically recorded and immediate feedback on production trends and variations are

given to our engineers so they can prevent quality problems before they start.

For details on the IM-6225, check out the Keyence YouTube video [youtube.com/watch?v=8tRAaz-kVW3w](https://www.youtube.com/watch?v=8tRAaz-kVW3w)

Vitex Employee Spotlight

We are excited to announce that John Murphy has joined our sales team. John brings over 30 years of experience developing new products for premier North American extruders, fabricators, and finishers. He has worked on many diverse envelope expanding projects, as well as countless cost reduction efforts. Well-versed in extrusion profile design and all forms of fabrication and finishing, John will work with Vitex customers on both their new and existing projects, offering suggestions to improve designs, simplify production and reduce costs. John will also assist with esti-

imating for new dies and fabrication work.

“I’m very excited about joining Vitex and getting to do what I really enjoy doing, which is help customers find ways to reduce their costs and time to market,” said Murphy. “My favorite phrase to hear from customers is, ‘I was told this couldn’t be done’.”



INDUSTRY NEWS Commerce Dept. Raises Import Duties on Some Chinese Aluminum Extrusions

U.S. Commerce Department is ratcheting up pressure on some aluminum extrusion imports, with a sizable hike in the discounted duty rate for 38 Chinese companies.

Ballooning Chinese aluminum exports have heightened tensions in the industry, with Century Aluminum and the United Steelworkers Union supporting an aggressive campaign against China’s exports.

DID YOU KNOW... Surplus Inventory Costs Companies 5-13% Per Year

Vitex has reduced this cost for several companies by assuming partial or, in some cases, complete manufacturing and supply responsibility for specific components or product lines. We offer several custom programs that ensure parts are always available when needed, including:

- Single, multi-level and configurable bill-of-materials assemblies
- Customized kitting and component packaging
- Kanban programs

Contact Vitex to learn more.