Vermont Manufacturing Extension Center

The Vermont Manufacturing Extension Center (VMEC) helps to improve and grow manufacturing in Vermont and strengthen the global competitiveness of the state’s smaller manufacturers. This is accomplished by leveraging private and public partnerships and by providing hands-on implementation assistance, consulting, training and coaching. The goal is to help Vermont manufacturers achieve sustainable and profitable growth through innovation, increased productivity, improved manufacturing and business processes and the adoption of advanced “Next Generation Manufacturing” business practices and attributes, all leading to the creation and retention of high wage manufacturing jobs.

VMEC is Results and Impact-driven and strives to achieve measurable results and positive bottom line impacts. VMEC has assisted more than 900 Vermont manufacturing companies since 1995 and has a statewide staff of Professional Manufacturing Advisors, Growth Coaches and Innovation Black Belts who are experienced in implementing cost effective process improvements and company/organization innovation and profitable growth strategies.

CONTACT US

1540 VT Rt 66
Suite 103
VT Tech Enterprise Center, VT 05060

(802)728-1432

www.vmec.org

ECONOMIC IMPACT

MEP Center impacts are based on clients surveyed in FY2016

$37.5 Million
Total Increased/Retained Sales

271
Total Increased/Retained Jobs

$16.5 Million
New Client Investments

$7.8 Million
Cost Savings
“VMEC is a reliable and trusted partner for Rhino Foods. Innovation Engineering is a perfect example of where VMEC is helping Vermont manufacturers lead and compete on a global scale.” Dan Kiniry, Director of Marketing

INNOVATION SUPPORTS IMPENDING GROWTH

ABOUT. Rhino Foods manufactures products for ice cream and frozen dessert companies around the world. Founded in 1981 as Chessy's Frozen Custard in Winooski, Vermont, the family-owned business has since moved to Burlington, Vermont, and employs over one hundred people. The foundation of Rhino's success is built on owner Ted Castle's unwavering commitment to the company's purpose and four core principles, which have guided Rhino's growth for over three decades. Every new employee spends an hour with Ted learning about the purpose and principles during their first days at Rhino Foods.

THE CHALLENGE. Rhino Foods needed to increase the value and quantity of new product ideas in their pipeline in order to meet annual growth targets. It also needed to diversify its customer base to reduce dependence on one large customer. After completing a project with the Vermont Manufacturing Extension Center (VMEC), a NIST MEP affiliate, company leaders attended VMEC's Innovation Engineering Leadership Institute and Executive Program. Their objective for this project was to re-implement the system to increase the number and value of new products in the pipeline while introducing more people to the innovation program's fundamental skills, tools, and systems.

MEP'S ROLE. Rhino specifically wanted to focus on increasing the number of ideas through the discovery process, as well as apply the new IE structure of Project Leader Management Coach - Process Coach. Ten leaders completed the Create, Communicate and Commercialize digital and lab classes, and some also completed the extra online learning assignments. VMEC followed up on the IE fundamentals training with a Stimulus Mining lab and 4-hour Create session. The stimulus mining and Create session focused on the Very Important Opportunity of “New bakery-style products and concepts” and generated over 40 ideas. Eight of those ideas moved on to the Define State, and of those, two ideas moved on to Discovery and the Fail Fast Fail Cheap cycles of learning: Gluten Free Cookie Dough and De-Constructed Desserts.

The company set weekly update meetings and project coaching with the Project Leader Management Coach - Process Coach, and both new product concept ideas moved to the “make it real” stage. If the sample products are successful, the next steps are to “show the customer,” followed by a recommendation and decision to “Go to Development” or “Kill/Archive” the project. With the new products, Rhino plans to invest in new equipment, increase sales, and retain jobs.

RESULTS

Increased/retained sales of
$2,000,000

10 new/retained jobs

New products: $100,000

$250,000 capital investment

WWW.NIST.GOV/MEP. 1-800-MEP-4MFG

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