



HAROLD KING
PRESIDENT
COUNCIL OF INDUSTRY

CREATIVE THINKING

DEAR READER

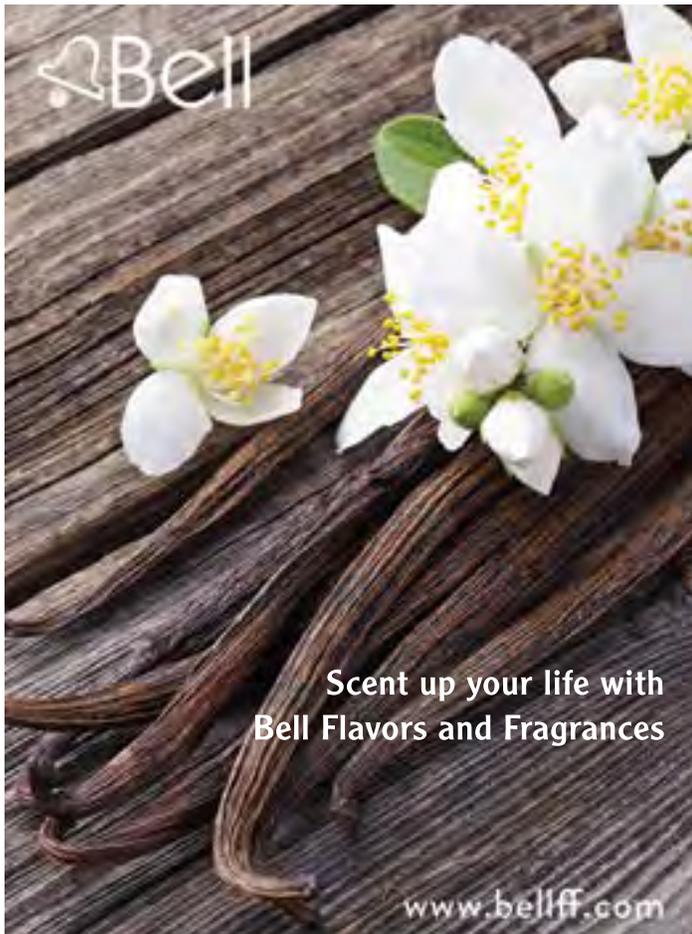
When people unfamiliar with our sector are asked to describe manufacturing “creative” is not likely to be the first word that pops into their heads. “High Tech” and “productive” perhaps, or maybe “efficient” and “precise,” but rarely “creative.” The truth, however, is that creativity, innovation and ingenuity are hallmarks of our sector and this is particularly true of manufacturing in the Hudson Valley region. It was here where Robert Fulton’s steam boat transformed transportation, Samuel Morse’s code transformed communication and IBM’s mainframes transformed (and continue to transform) ...well they continue to transform just about everything!

Manufacturers, for example, spend more than any other sector on research and development – nearly 4% of their net domestic sales. Other sectors spend only 2.3 %. This spending leads to more patents than any other sector as well. The United States leads the world in private spending on R&D as well as the number of new patents and the manufacturing sector leads all other US economic sectors in both.

In this edition of HV Mfg we get a closer look at the creativity that drives those numbers. David King writes about factors driving innovation in the manufacturing sector and the components of a successful innovation strategy. SUNY New Paltz’ Dan Freedman gives an Update on the College’s 3D printing program, now in its 5th year, and the exciting development that they will be adding metal printing capabilities. We learn from Samantha Stahl how the Girl Scouts in the Heart of the Hudson are working to reduce the STEM gender gap by partnering with industry to introduce scouts to exciting careers in the field. Barbara Reer from Ulster Community College fills us in on their advanced manufacturing training and education program, one of the best in the state. We have a Q&A with 3 generations of a family whose whole business, Allendale Machinery, is to help manufactures be more productive – and we learn how they have become leaders in finding solutions to the skills gap in machining and toolmaking. Five manufacturing executives and owners from across the region talk with Serena Cascarano about the biggest challenges they face in trying to grow their businesses in the Hudson Valley. Finally, Alison Butler introduces us to one of the most creative manufacturers in the region – PRG-Scenic Technologies in New Windsor has been fabricating sets for Broadway and trade shows for nearly 30 years. From “*Phantom of the Opera*” to “*Spiderman*” they are the people who bring the fantasy to life.

I hope you enjoy this edition of HV Mfg which includes a directory of Council of Industry member firms. I also want to express my sincere appreciation to the advertisers for their support of this publication, the Council of Industry and manufacturing in the Hudson Valley.





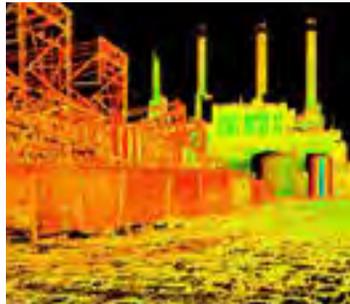
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