

# Maryland Manufacturing Today

Manufacturing in Maryland today is evolutionary. The state's dynamic, diverse and high caliber industry sectors—aerospace and defense, information technology, cybersecurity, biotechnology and sustainability—are energizing the emergence of new products and services while transforming manufacturing and production for the 21st century and beyond.

With an enviable strategic location, a highly skilled workforce, excellent education system, superior transportation infrastructure and desirable quality of life, Maryland provides more opportunities per square mile to start, locate, or expand your business.

## LOCATION

Strategically located in the heart of the nation's busiest commercial corridor, Maryland's unmatched business resources include:

- Next-door proximity to the nation's capital
- Access to major defense prime contractors and international buying authorities
- More than 400 federal, academic and private research centers including NIST, FDA, NIH, JHU and NASA



#1 in the nation for Entrepreneurship and Innovation—two years running.  
—U.S. Chamber of Commerce

## WORKFORCE

Home to a one of the top educational systems growing an experienced and industrious workforce, Maryland offers:

- An abundant labor force of available skilled workers in a broad range of industries
- The highest proportion of doctoral scientists and engineers in the nation
- The second highest concentration of professional and technical workers among the states (27.7%)

### Employment Advancement Right Now (EARN)

A valuable asset to Maryland's manufacturers is Maryland's Employment Advancement Right Now (EARN) initiative, a new state-funded, industry-led, workforce training grant program. EARN is designed to ensure that Maryland employers have the talent they need to compete and grow. For more information: [www.earn.maryland.gov](http://www.earn.maryland.gov)



Maryland's 16 community colleges operate a network of 23 campuses and numerous workforce training centers throughout the state.

## EDUCATION

Virtually every kind of training and research required by business and industry can be obtained from Maryland's higher education network of 57 accredited colleges and universities that include:

- University System of Maryland's eleven campuses
- Johns Hopkins University, with particular strengths in information sciences and biotechnology
- University of Maryland's Biotechnology Institute, the Maryland Technology Enterprise Institute at College Park, and the Johns Hopkins University Applied Physics Laboratory

### Maryland Industrial Partnerships (MIPS)

University of Maryland's technology incubator Mtech and the Maryland Industrial Partnerships (MIPS) program accelerate the commercialization of technology in Maryland by jointly funding collaborative R&D projects between companies and University System of Maryland faculty. Since 1987, more than 400 Maryland companies have participated in project awards worth over \$180 million, generating more than \$25.2 billion in sales.

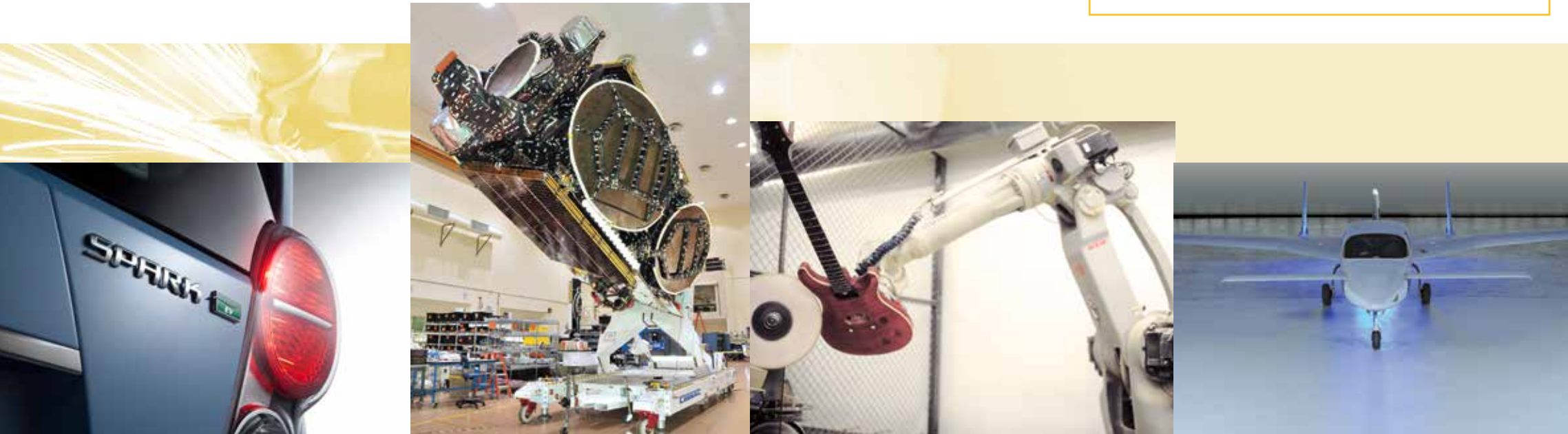
### Maryland Extension Partnership (MEP)

The National Institute of Standards and Technology's Hollings Manufacturing Extension Partnership (MEP), and Maryland MEP, Inc. are working together to run a center to help the state's small and medium-sized manufacturers increase profits, and create and retain American jobs. With a national network of more than 1,300 technical experts, MEP acts a strategic advisor to promote business growth and connect manufacturers to public and private resources for increased competitiveness and productivity.

## TRANSPORTATION

With its strategic, Mid-Atlantic location and world-class, multi-modal transportation facilities, Maryland plays a formidable role in transportation throughout the eastern United States. From central Maryland, businesses are within overnight reach of one-third of the nation's population (100 million consumers) and industrial base.

- A major airport, and one of the fastest growing in the nation, Baltimore/Washington International Thurgood Marshall (BWI), features an international terminal serving as a Maryland gateway to the world. Washington Dulles International, Ronald Reagan National and Philadelphia International Airport are also easily accessible.
- Located closer to the Midwest than any other seaport, the Port of Baltimore provides a location with connections to six interstate highways, including the East Coast's major thoroughfare, the I-95 system. A new intermodal facility at the Port of Baltimore is slated for completion in 2015.
- The Port of Baltimore is one of America's busiest international deep-water ports. New supersized Panamax cargo cranes, a 50-foot container berth and a 50-foot channel make the port one of only two East Coast ports able to accommodate the largest cargo ships in the world.
- More than 1,500 Maryland located truck transportation companies move 90 percent of the manufactured freight traveling in and out of Maryland each year, as well as 75 percent of goods shipped through the Port of Baltimore.
- A modern freight rail system meets shipper demands for fast, efficient service to all U.S. interior points, Canada and Mexico. Long haul freight service is provided by CSX Transportation, Norfolk Southern, and a connecting network of five short lines.





## Iconic Manufacturers Still Going STRONG



### G. Krug & Son, Inc. (1810)

Oldest continuously-operating blacksmith's shop in the U.S. Produces custom ironwork.

### W.R. Grace (1854)

One of the world's leading specialty chemicals and materials companies.



### DAP Products (1865)

Home repair and construction products (e.g., glazing, latex caulks, silicone sealants, contact cements, construction adhesives, etc.) for commercial and industrial clients in North America.



### Ellicott Dredges (1885)

World's oldest and largest builder of medium-sized cutter suction dredges. Built all of the dredges used in the original construction of the Panama Canal. Serves more than 70 countries.



### McCormick & Company (1889)

One of the largest spice companies in the world. Manufactures, markets and distributes spices, seasonings and flavors to customers ranging from retail outlets and food service providers to food processing businesses.



### Goetze's Candy Co. (1895)

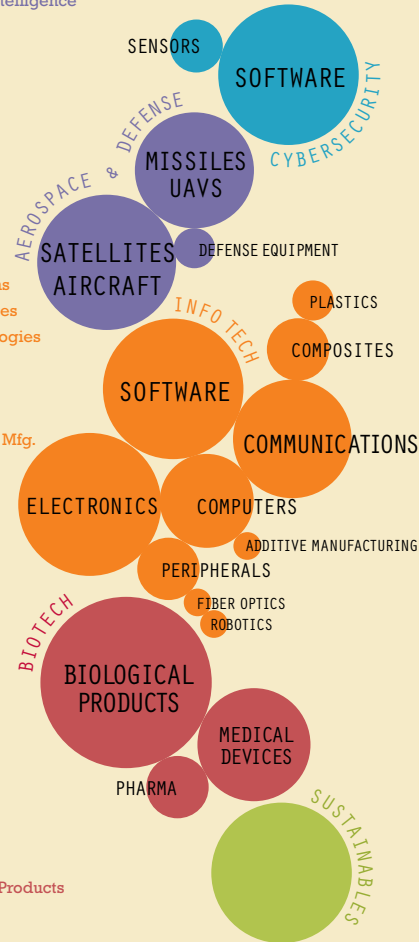
5th generation family-owned candy company. Sells its confections through major retail venues and online.

A sampling of manufacturing companies in Maryland utilizing advanced materials and technologies, including the state's unique unmanned, autonomous and sensor community.

Light Point Security – Cybersecurity  
 SafeNet – Cybersecurity  
 Sourcefire – Cybersecurity  
 FLiR Systems – Sensors  
 Sierra Nevada – Sensors  
 Accuvant – Defense & Intelligence  
 Smiths Detection – Defense & Intelligence  
 Survive Engineering – Defense & Intelligence  
 ATK – Aerospace  
 BAE Systems – Aerospace  
 Lockheed Martin – Aerospace  
 Northrop Grumman – Aerospace  
 Textron/AAI – UAVs  
 UAV Solutions – UAVs  
 General Dynamics – Robotics  
 MantaroBot – Robotics  
 Bechtel – Communications  
 Ciena – Communications  
 Patton Electronics – Communications  
 BreakAway – Interactive Technologies  
 Firaxis Games – Interactive Technologies  
 Berry Plastics – Additive Mfg.  
 Bowles Fluidics – Additive Mfg.  
 Danko Arlington – Additive Mfg.  
 Prime Mfg. Technologies – Additive Mfg.  
 Survive Metrology – Additive Mfg.  
 ELTA North America – Electronics  
 Polk Audio – Electronics  
 RC\_ARINC – Electronics  
 Vorbeck – Composites  
 I-3 Communications – Microwave  
 Fiberplex – Fiber Optic Equipment  
 Bel-Art – Plastics  
 Maryland Thermoform – Plastics

## MARYLAND'S ADVANCED MANUFACTURING ECOSYSTEM

Emergent BioSolutions – Biological Products  
 Intellitech – Biological Products  
 MedImmune – Biological Products  
 Novavax – Biological Products  
 QIAGEN – Biological Products  
 BD Diagnostics – Medical Devices  
 Terumo Medical – Medical Devices  
 Zentech – Medical Devices  
 ATR – Sustainables  
 Cambridge EnTech – Sustainables  
 greeNEWit – Sustainables  
 i-Lighting – Sustainables  
 SemaConnect – Sustainables  
 Synergics Wind Energy – Sustainables  
 Thompson Creek Window – Sustainables



## QUALITY OF LIFE

A great place to raise a family, Maryland residents enjoy a broad range of lifestyles and activities in convenient reach of major metropolitan areas. The state offers an outstanding quality of life with residents enjoying one of the nation's highest median incomes, one of the best public school systems in the U.S. and access to some of the world's most advanced healthcare in the world.

- Maryland's K-12 public school system ranks first in the nation —six years in a row.
- Maryland ranks fifth among the states in per capita personal income, \$53,816 in 2012.
- Maryland has the third lowest poverty rate for 2012, with 10.3% of the population living in poverty, compared with 15.9% for the U.S. as a whole.
- Johns Hopkins Hospital ranks first in the U.S. News honor roll of best hospitals in the nation, demonstrating outstanding competence in fifteen specialties.

## MARYLAND OF OPPORTUNITY.®

[www.ChooseMaryland.org](http://www.ChooseMaryland.org)

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