



Greater Richmond, Virginia

Adv. Manufacturing

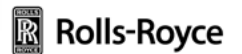
1,107 MANUFACTURING FACILITIES IN RICHMOND

\$1.84b INVESTED BY MANUFACTURING FIRMS SINCE 2010

1,931 KEY DEGREES AWARDED ANNUALLY

31,233 EXISTING MANUFACTURING WORKERS IN THE REGION

KEY COMPANIES



SECTOR HIGHLIGHTS



Machinery

Designing and constructing machines that keep industry moving forward, the Richmond Region is home to companies that produce the advanced equipment that automates the packaging of food, the rolling of cigarettes, the baking of bread and more.



Fabricated Metal Products

Over 400 companies fabricate metal locally, manipulating materials to create individual pieces and combinations of products. The region offers a strong community of manufacturers and an experienced workforce who are thriving in Greater Richmond.



Fine Chemicals

A number of high-tech polymers, fibers, coatings and materials are being developed and manufactured in Greater Richmond. With industry giants like DuPont and Honeywell, the region leads the way in the production of high-strength synthetic fiber.



The Virginia Manufacturers Association develops policies by advocating for members



31,233 existing manufacturing workers comfortable with 24/7 operations



Industrial real estate in the Richmond Region is 24% below the U.S. average



#3 in the U.S. for Labor Supply according to Forbes, 2017



Electric industrial costs are 37% below the U.S. average with a 99.9% reliability rate



A history of low labor unionization in a Right-To-Work state



Home to 26 institutes of higher learning with 71,000 enrolled students

WORKFORCE & RESOURCES

Greater Richmond is home to 26 four-year and two-year institutions of higher education, which train and supply the next generation of skilled professionals:

- Virginia Commonwealth University's **School of Engineering** offers B.S., M.S. and PhD programs in biomedical, chemical, electrical and computer, mechanical and nuclear engineering.
- **Certificate and Associate programs** in machining, welding and technical studies at

the community college level provide industry with a pipeline of talent.

- **Community College Workforce Alliance** offers customizable contract training as well as open enrollment programs with topic areas including manufacturing processes, quality improvement and safety and OSHA.
- The **Commonwealth Center for Advanced Manufacturing** is an applied research center that bridges the gap between fundamental research conducted

at universities and product development performed by companies.

- The **Manufacturing Skills Institute**, a partnership between the Virginia Manufacturing Association and area colleges, uses assessments to develop practical, in-demand proficiencies among both experienced and entry-level students.
- **Manufacturing certification programs** for Manufacturing Technician and Siemens Certified Mechatronic Systems Assistant.

RECENT ANNOUNCEMENTS

- Canadian paper manufacturer **Cascades** purchased the former Bear Island Paper Mill in Hanover County for \$34.2 million and will upfit the equipment to manufacture paperboard, investing \$300 million.
- **TemperPack**, who produces packaging for the fresh food and biologic industries, invested \$10.4 million to triple its production and warehouse space in Henrico County, creating 141 new jobs. It also invested \$2 million and created 23 new jobs at its headquarters in the City of Richmond.
- **Power Systems & Controls** invested \$1.4 million and added 20 new jobs to its facility in the City of Richmond that manufactures equipment to condition electric power.
- **iMPREG**, a German manufacturer of fiberglass-reinforced pipes, located a \$5.4 million production facility and warehouse in Chesterfield County.
- **Dominion Packaging** is investing \$25 million to expand its food, beverage and tobacco products packaging facility in Henrico County, adding 60 jobs.
- **Niagara Bottling** built a \$120 million, 557,000 square-foot bottled water production facility in Chesterfield County, employing 111 people.
- **Specialty Coating and Laminating** invested \$2.5 million and added 52 new jobs to its Hanover County facility that manufactures poly-extrusion and aqueous-coated paper and paperboard products.

INDUSTRY INCENTIVES

Below is a sampling of available incentives for advanced manufacturing businesses. Contact the Greater Richmond Partnership, Inc. for further information.

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|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clean Energy Manufacturing Incentive Grant Program | Available to eligible companies engaged in the manufacturing of clean energy production, energy conservation or energy storage equipment. |
| Industrial Development Bond Program | Manufacturers can obtain fixed asset financing at attractive terms and rates. |
| Recycling Equipment Tax Credit | An income tax credit on machinery and equipment purchased for processing recyclable materials. |
| Virginia Economic Development Incentive Grant | Assists and encourages companies to invest and to provide new employment opportunities. |
| Virginia Investment Partnership Grant Fund | Discretionary performance incentives designed for Virginia manufacturers or research and development services supporting manufacturing. |
| Virginia Jobs Investment Program | Supports the creation of new jobs and investment and helps businesses train new and existing workers. |
| Enterprise Zone Job Creation Grant | Qualified businesses in an enterprise zone are eligible for cash grants for permanent net, new jobs created over a four-job threshold. |
| Enterprise Zone Real Property Investment Grant | Qualified zone investors (entities and individuals) making a qualified investment in industrial, commercial, or mixed-use real property located within an enterprise zone are eligible for a cash grant. |

