

MANUFACTURING INDUSTRY OVERVIEW



Manufacturing has a long history in Tampa Bay, where it is a source of innovation for a wide range of industries, and it hasn't slowed down. One of the region's greatest business success stories over the past decade is the growth of the manufacturing sector.

Florida ranks among the nation's top 10 states for manufacturing, according to Enterprise Florida, and the Tampa Bay region has the second largest manufacturing employment in the state. From 2009-2018, manufacturing employment rose by more than 13% and average annual wages went up by 25%.

The region is home to the global headquarters of several leading manufacturing firms including Bertram Yachts, The Mosaic Company, Advanced Airfoil Components and Coca-Cola Beverages Florida. The Tampa Bay area's fast-growing population, pro-business climate, robust talent pipeline, and convenient location on the busy I-4 warehouse, distribution and logistics corridor has attracted more than 2,800 manufacturing firms, employing more than 62,000 people.

Whether it's addressing precise military specifications, developing medical devices, or addressing sustainability efforts, local firms are advancing modern manufacturing technology and making an impact across the globe.

“TAMPA HAS ALWAYS AFFORDED ME THE OPPORTUNITIES TO BE CLOSELY CONNECTED TO BOTH BUSINESS AND COMMUNITY LEADERS, WHO I'VE BEEN ABLE TO LEARN FROM AND WHO HAVE HELPED ME CONTINUE TO GROW BENEFICIAL BLENDS.”

– ERIN MEAGHER, FOUNDER AND CEO, BENEFICIAL BLENDS

TAMPA BAY'S LEADING MANUFACTURING COMPANIES:



- Amalie Oil Company
- Bausch + Lomb
- Chromalloy Castings
- GE Energy
- Gerdau
- Johnson Controls
- Masonite
- Metrohm
- Tampa Armature Works
- Tampa Tank and Florida Structural Steel

MANUFACTURING INDUSTRY OVERVIEW

TAMPA MSA

**MANUFACTURING INDUSTRY
SECTOR ESTABLISHMENTS:
5,729**

Source D&B Hoovers | Establishments
Note: 2017 NAICS from D&B Hoovers were used to
calculate number of establishments

NAICS	Manufacturing Sectors	TAMPA MSA
311	Food Manufacturing	705
312	Beverage and Tobacco Product Manufacturing	111
323	Printing and Related Support Activities	919
325	Chemical Manufacturing	461
326	Plastics and Rubber Products Manufacturing	167
327	Nonmetallic Mineral Product Manufacturing	253
331	Primary Metal Manufacturing	96
332	Fabricated Metal Product Manufacturing	747
333	Machinery Manufacturing	573
334	Computer and Electronic Product Manufacturing	435
335	Electrical Equipment, Appliance, and Component Manufacturing	197
336	Transportation Equipment Manufacturing	349
337	Furniture and Related Product Manufacturing	716
TOTAL		5,729

EMPLOYED BY INDUSTRY

AVERAGE WAGES BY INDUSTRY

NAICS CODE	MANUFACTURING INDUSTRY SECTORS	TAMPA MSA	FLORIDA	AVERAGE WAGES BY INDUSTRY	
				TAMPA MSA	USA
311	Food Manufacturing	4,825	35,963	\$43,711 \$50,594	
312	Beverage and Tobacco Product Manufacturing	2,693	11,411	\$64,084 \$54,410	
323	Printing and Related Support Activities	3,500	17,671	\$46,511 \$50,419	
325	Chemical Manufacturing	4,725	24,515	\$73,164 \$100,252	
326	Plastics and Rubber Products Manufacturing	3,268	13,588	\$52,826 \$55,764	
327	Nonmetallic Mineral Product Manufacturing	3,160	22,976	\$57,632 \$60,478	
331	Primary Metal Manufacturing	1,477	4,777	\$59,118 \$69,880	
332	Fabricated Metal Product Manufacturing	6,814	41,723	\$52,720 \$58,898	
333	Machinery Manufacturing	6,044	30,220	\$68,086 \$72,243	
334	Computer and Electronic Product Manufacturing	10,560	45,939	\$92,652 \$129,484	
335	Electrical Equipment, Appliance, and Component Manufacturing	3,113	9,479	\$58,208 \$69,935	
336	Transportation Equipment Manufacturing	3,706	50,259	\$56,379 \$77,384	
337	Furniture and Related Product Manufacturing	1,937	13,601	\$43,644 \$47,458	
TOTAL EMPLOYED		55,823	322,121	AVERAGE WAGES	\$59,133 \$69,015

Source: Chmura JobsEQ Q3 2020 | Employment and Average Wages Per Worker

**#1 State for
new residents**
— U.S. Census Bureau, 2020

**#2 Best State for
Business**

— Chief Executive
Magazine, 2021

EMPLOYED BY OCCUPATION

AVERAGE WAGES BY OCCUPATION

SOC	Manufacturing Occupations	Tampa MSA	FLORIDA	AVERAGE WAGES BY OCCUPATION	
				TAMPA MSA	USA
51-1010	First-Line Supervisors of Production and Operating Workers	4,029	24,549	\$61,800 \$65,200	
51-2020	Electrical, Electronic, and Electromechanical Assemblers	2,589	11,576	\$32,600 \$37,000	
51-2040	Structural Metal Fabricators and Fitters	471	3,221	\$34,300 \$43,000	
51-4080	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	442	2,657	\$37,200 \$38,400	
51-4020	Forming Machine Setters, Operators, and Tenders, Metal and Plastic	380	1,976	\$35,800 \$39,300	
51-4040	Machinists	1,762	10,162	\$41,400 \$46,100	
51-4110	Tool and Die Makers	212	1,147	\$50,700 \$55,000	
51-4120	Welding, Soldering, and Brazing Workers	2,575	17,113	\$42,200 \$44,800	
51-9060	Inspectors, Testers, Sorters, Samplers, and Weighers	3,333	20,110	\$40,700 \$43,000	
51-9110	Packaging and Filling Machine Operators and Tenders	2,494	15,508	\$28,200 \$33,600	
51-2090	Miscellaneous Assemblers and Fabricators	7,368	46,342	\$30,800 \$34,800	
17-2140	Mechanical Engineers	1,543	9,380	\$82,100 \$93,500	
13-1000	Business Operations Specialists	58,530	351,160	\$66,600 \$75,900	
49-9040	Industrial Machinery Installation, Repair, and Maintenance Workers	2,512	17,009	\$50,200 \$54,700	
51-9160	Computer Numerically Controlled Tool Operators and Programmers	757	4,235	\$42,800 \$45,500	
53-7060	Laborers and Material Movers	51,453	364,285	\$28,000 \$30,600	
51-9190	Miscellaneous Production Workers	3,785	25,180	\$31,400 \$34,100	
TOTAL EMPLOYED		144,235	925,610	AVERAGE WAGES \$43,341 \$47,912	

Source: Chmura JobsEQ Q3 2020 | Employment and Average Wages Per Worker

Tampa Bay's manufacturing industry

continues to grow with a 13% employment increase from 2009-2018. A local workforce of 62,000 help manufacture everything from advanced machinery components and alternative fuels to custom, luxury boats and medical devices.

Hillsborough County is committed to providing a strong pipeline of skilled workers to fill the jobs created by our growing manufacturing firms.



The Manufacturing Alliance of Hillsborough County's education curriculum and training programs are designed to meet the existing and emerging workforce needs of Hillsborough County manufacturers. Learners of all ages and skill levels train for the most exciting opportunities in the field today and prepare for the advances of tomorrow.



Middle and High School programs prepare students for employment or advanced training in welding technology, robotics, machining technology and engineering. Upon completion, students have earned industry-recognized certifications and designations.



Hillsborough Community College offers degrees, certificates and apprenticeships associated with architecture and building trades, including industrial management technology, lean manufacturing, pipefitting, and welding technology. Engineering certificates to support a variety of

MANUFACTURING RELATED DEGREES

PROGRAMS AND OCCUPATIONS	DEGREE LEVEL	TAMPA MSA		FLORIDA	
		2015-2019 5-Year Total	5-Year % Growth	2015-2019 5-Year Total	5-Year % Growth
Business, Management, Marketing, and Related Support Services	Certificate < 1 Yr	2,618		64,187	
	Certificate 1+ but < 2 Yr	365		3,482	
	Associate's	1,996		16,134	
	Bachelor's	18,366		122,731	
	Master's	9,069		52,151	
TOTAL		32,414	-1.5%	258,685	12.1%
Precision Production	Certificate < 1 Yr	32		3,929	
	Certificate 1+ but < 2 Yr	523		3,944	
TOTAL		555	178.8%	7,873	65.9%
Mechanic and Repair Technologies/Technicians	Certificate < 1 Yr	766		7,583	
	Certificate 1+ but < 2 Yr	799		11,904	
TOTAL		1,565	23.2%	19,487	28.2%
Engineering Technologies and Engineering-Related Fields	Certificate < 1 Yr	924		10,099	
	Certificate 1+ but < 2 Yr	652		4,477	
	Associate's	380		3,627	
	Bachelor's	10		1,912	
	Master's	281		1,264	
TOTAL		2,247	-40.8%	18,203	-20.1%
Engineering	Associate's	0		393	
	Bachelor's	2,827		26,007	
	Master's	1,624		10,365	
TOTAL		4,451	42.3%	36,765	20.9%

Source: Chmura JobsEQ.

manufacturing processes are available at HCC, such as automation, CNC machinist, engineering technology support specialist, robotics and simulation, and pneumatics, hydraulics and motors for manufacturing. In addition to degree programs, HCC's Division of Workforce Development offers practical, effective, and affordable ways to build broad-based workforce systems to meet the labor needs in the Tampa Bay area. Individuals and companies can upgrade their skills and meet current demands in a wide variety of programs, such as welding technology, manufacturing, and engineering.



CareerSource Tampa Bay's CareerREADY program provides short-term (six to twelve weeks) customized courses to meet the demand for specialized workers. Services are provided in partnership with Hillsborough County Community College and local partners/employers to integrate work-based learning opportunities and give participants real-time knowledge of work environments and practices. Courses are offered in welding and fabrication, mechatronics and robotics, and soldering and cabling.

MANUFACTURING ECOSYSTEM



**BAY AREA
MANUFACTURERS
ASSOCIATION (BAMA)**
www.bama-fl.org

BAMA provides a forum to exchange ideas and share best practice information, network with colleagues, and learn about manufacturing related topics through educational programs and tours. Additionally, BAMA supports the development of young talent by offering scholarships to students pursuing manufacturing and STEM education.



**MANUFACTURERS
ASSOCIATION
OF FLORIDA (MAF)**
www.mafmfg.com

MAF is a trade association comprised of manufacturers, manufacturing organizations, and associated businesses. The organization was organized in early 2006 to improve Florida's manufacturing business climate.



**SOCIETY OF MANUFACTURING
ENGINEERS (SME) TAMPA BAY**
www.smetampabay.org

MAF is a trade association comprised of manufacturers, manufacturing organizations, and associated businesses. The organization was organized in early 2006 to improve Florida's manufacturing business climate.



**NATIONAL TOOLING AND
MACHINING ASSOCIATION
(NTMA) FLORIDA WEST COAST
CHAPTER**
www.fwcntma.org

The National Tooling and Machining Association represents the precision custom manufacturing industry nationwide. The Florida West Coast chapter of the NTMA draws its members from Hillsborough, Pasco, Sarasota and Pinellas counties. Members range from one-person machine shops to companies with over one hundred employees, engaged in the design and manufacture of special tools, dies, jigs, fixtures, gauges, special machines and precision-machined parts. NTMA is a nonpartisan advocacy group and also serves as a source of information and resources for problem-solving in the manufacturing community.



**FLORIDA HIGH TECH
CORRIDOR**
www.floridahightech.com

Florida High Tech Corridor is a technology rich region with a mission to grow high tech industry and innovation through partnerships that support research, marketing, workforce, and entrepreneurship. The Florida High Tech Corridor Council is an economic development initiative of three of the country's largest research institutions: University of South Florida, University of Central Florida, and University of Florida.



**MANUFACTURING ALLIANCE
OF HILLSBOROUGH COUNTY**
www.madeinhillsborough.org

The Manufacturing Alliance of Hillsborough County fuels the growth and longevity of the local manufacturing sector. The alliance aims to cultivate the next generation of workers and leaders, to help businesses access talent and resources, and to help Hillsborough County flourish as a vital manufacturing hub today and well into the future.



FLORIDA MAKES
www.floridamakes.org

FloridaMakes is a statewide, industry-led, public-private partnership operated by an alliance of Florida's regional manufacturers associations with the sole mission of strengthening and advancing Florida's economy by improving the competitiveness, productivity and technological performance of its manufacturing sector, with an emphasis on small- and medium-sized firms. It accomplishes this by providing services focused on three principal value streams: technology adoption, talent development, and business growth. FloridaMakes is the representative of the Manufacturing Extension Partnership (MEP) National Network in the state of Florida, a program of the National Institute of Standards and Technology, an agency of the U.S. Department of Commerce. For more information about FloridaMakes, please visit FloridaMakes.com and follow @FloridaMakes.