

County Profiles: Manufacturing

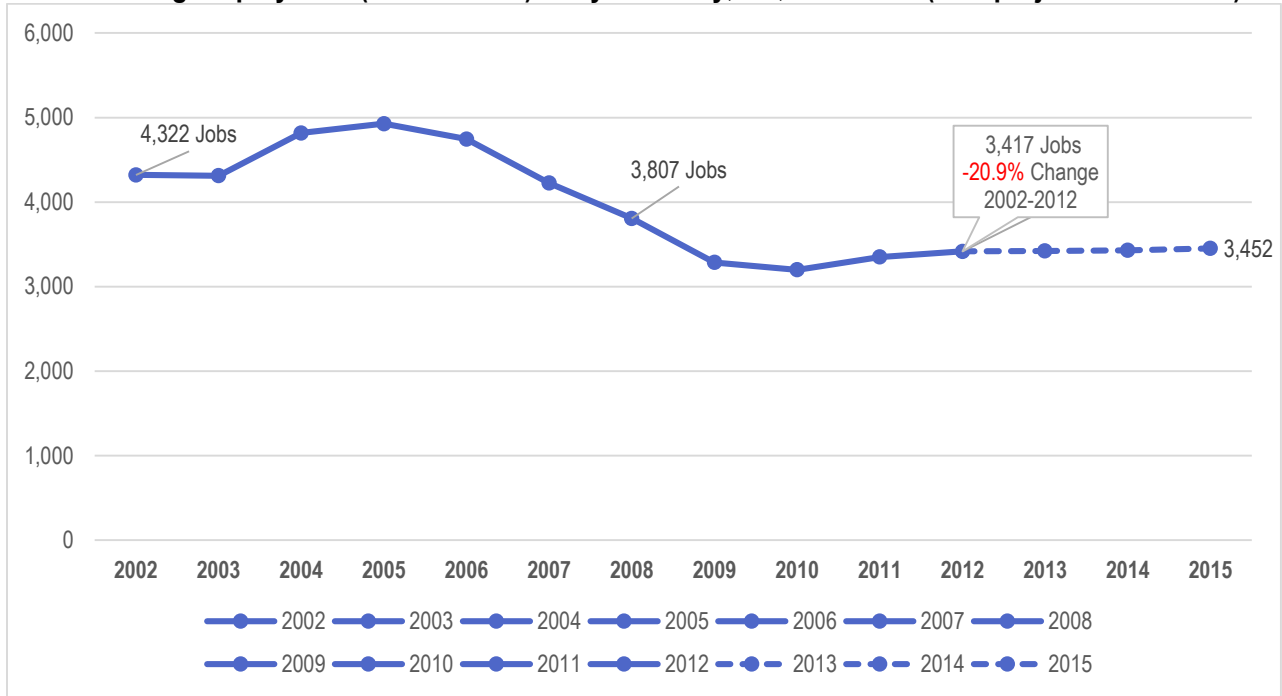


Smyth County, VA

Supplemental Reference Materials
Supporting:
**New River/ Mount Rogers Skills Gap
Analysis**

*Prepared by:
Virginia Tech Office of Economic
Development*

Manufacturing Employment (NAICS 31-33): Smyth County, VA, 2002-2012 (with projections to 2015)ⁱ



Manufacturing Employment (NAICS 31-33): Smyth County vs. Neighboring Jurisdictions/Regionsⁱⁱ

	2002 Jobs	2008 Jobs	2012 Jobs	Change 2002-2012 (#)	Change 2002-2012 (%)
Smyth County	4,322	3,807	3,417	(905)	(20.9%)
New River/Mount Rogers WIA 2	34,178	28,241	25,440	(8,738)	(25.6%)
Bluefield WV-VA, MSA	3,232	3,130	2,785	(447)	(13.8%)
Roanoke, VA MSA	19,196	16,719	14,758	(4,438)	(23.1%)
Kingsport-Bristol-Bristol, VA/TN (Minus WIA 2 Jurisdictions)	20,848	17,607	16,416	(4,432)	(21.3%)
Virginia	321,016	264,948	231,033	(89,983)	(28.0%)
United States	15,209,748	13,382,696	11,905,319	3,304,429	(21.7%)

Manufacturing Employment: Smyth County, VA, by NAICS 3-Digit Industryⁱⁱⁱ

LQ>1 = Above National Average Concentration of Employment

NAICS Code	Description	2008 Jobs	2009 Jobs	2010 Jobs	2011 Jobs	2012 Jobs	Change 2008-2012	2012 National Location Quotient
336	Transportation Equipment Manufacturing	1,594	1,461	1,515	1,686	1,746	152	13.54
326	Plastics and Rubber Products Manufacturing	771	624	539	530	565	(206)	9.95
333	Machinery Manufacturing	248	219	207	234	242	(6)	2.50
321	Wood Product Manufacturing	441	366	285	207	231	(210)	7.77
315	Apparel Manufacturing	108	105	132	142	124	16	9.52
332	Fabricated Metal Product Manufacturing	127	106	113	125	120	(7)	0.97
312	Beverage and Tobacco Product Manufacturing	20	21	39	69	73	53	4.32
337	Furniture and Related Product Manufacturing	187	110	79	68	73	(114)	2.33
327	Nonmetallic Mineral Product Manufacturing	136	85	73	66	68	(68)	2.12
325	Chemical Manufacturing	41	50	58	49	49	8	0.71
324	Petroleum and Coal Products Manufacturing	14	24	33	37	48	34	4.90
339	Miscellaneous Manufacturing	19	16	17	29	34	15	0.67
323	Printing and Related Support Activities	26	25	35	32	31	5	0.78
311	Food Manufacturing	<10	<10	<10	0	<10	--	--
335	Electrical Equipment, Appliance, and Component Manufacturing	0	0	<10	<10	<10	--	--
314	Textile Product Mills	71	73	70	70	0	(71)	0.00
Total		3,807	3,286	3,200	3,350	3,417	(390)	3.26

Manufacturing Earnings, by NAICS 3-Digit Industry: Smyth County, VA-2013^{iv}

NAICS Code	Description	2013 Average Earnings Per Job (Smyth)	2013 Average Earnings Per Job (Washington County)	2013 Average Earnings Per Job (New River/Mount Rogers WIA)	2013 Average Earnings Per Job (Kingsport-Bristol, VA/TN-Minus LWIA 2)	2013 Average Earnings Per Job (Virginia)	2013 Average Earnings Per Job (United States)
336	Transportation Equipment Manufacturing	\$51,894	\$44,841	\$61,329	\$65,978	\$77,640	\$87,081
326	Plastics and Rubber Products Manufacturing	\$56,418	\$56,041	\$55,090	\$54,404	\$71,493	\$60,498
333	Machinery Manufacturing	\$57,559	\$58,173	\$56,072	\$62,254	\$72,121	\$79,734
321	Wood Product Manufacturing	\$37,507	\$28,391	\$36,199	\$34,874	\$45,047	\$48,510
315	Apparel Manufacturing	\$27,296	--	\$26,538	\$24,272	\$33,650	\$45,351
332	Fabricated Metal Product Manufacturing	\$55,985	\$45,501	\$53,921	\$43,704	\$66,359	\$63,732
312	Beverage and Tobacco Product Manufacturing	\$37,746	\$46,914	\$62,515	--	\$88,800	\$77,328
337	Furniture and Related Product Manufacturing	\$40,174	\$56,958	\$37,127	\$48,583	\$43,443	\$49,026
327	Nonmetallic Mineral Product Manufacturing	\$55,836	\$51,020	\$49,709	\$70,101	\$55,363	\$64,593
325	Chemical Manufacturing	\$51,737	\$59,749	\$77,671	\$131,423	\$95,670	\$117,338
324	Petroleum and Coal Products Manufacturing	\$129,266	--	\$129,266	\$84,619	\$123,300	\$200,942
339	Miscellaneous Manufacturing	\$41,546	\$36,532	\$46,827	\$53,255	\$71,120	\$82,536
323	Printing and Related Support Activities	\$67,832	\$46,605	\$48,507	\$51,624	\$51,949	\$55,221
311	Food Manufacturing	--	\$44,437	\$49,448	\$53,194	\$47,472	\$52,522
335	Electrical Equipment, Appliance, and Component Manufacturing	--	\$83,310	\$74,868	\$59,592	\$78,739	\$85,016
314	Textile Product Mills	--	\$44,035	\$42,150	\$34,753	\$39,788	\$46,011
Total		\$52,015	\$53,110	\$57,919	\$92,916	\$68,357	\$77,540

Manufacturing Age Demographics, by NAICS 3-Digit Industry: Smyth County, VA-2013^v

NAICS Code	Description	Age 14-18	Age 19-21	Age 22-24	Age 25-34	Age 35-44	Age 45-54	Age 55-64	Age 65-99
336	Transportation Equipment Manufacturing	<10	77	76	285	433	495	320	38
326	Plastics and Rubber Products Manufacturing	0	11	17	109	170	158	97	15
333	Machinery Manufacturing	0	<10	<10	47	60	37	52	18
321	Wood Product Manufacturing	0	10	11	51	72	66	28	<10
315	Apparel Manufacturing	<10	<10	<10	23	33	18	28	21
332	Fabricated Metal Product Manufacturing	0	<10	<10	16	26	40	23	<10
312	Beverage and Tobacco Product Manufacturing	0	<10	<10	<10	37	13	13	<10
337	Furniture and Related Product Manufacturing	0	0	<10	<10	14	30	20	<10
327	Nonmetallic Mineral Product Manufacturing	0	<10	<10	13	<10	28	20	<10
325	Chemical Manufacturing	0	<10	<10	<10	13	15	11	0
324	Petroleum and Coal Products Manufacturing	0	0	0	0	26	23	0	0
339	Miscellaneous Manufacturing	0	0	0	<10	11	17	<10	0
323	Printing and Related Support Activities	0	<10	<10	0	0	21	0	0
311	Food Manufacturing	0	0	0	<10	<10	<10	<10	0
335	Electrical Equipment, Appliance, and Component Manufacturing	0	0	0	<10	<10	<10	<10	0
Total		<10	117	132	571	903	965	617	109

Staffing Patterns for Manufacturing Employers: Smyth County, Virginia (SOC: 2-Digit)^{vi}

SOC	Occupation Group	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Smyth County Manufacturing	Median Hourly Earnings
51	Production Occupations	2,206	1,962	(244)	57.6%	\$15.62
43	Office and Administrative Support Occupations	359	322	(37)	9.4%	\$12.26
49	Installation, Maintenance, and Repair Occupations	234	235	1	6.8%	\$14.71
53	Transportation and Material Moving Occupations	262	218	(44)	6.5%	\$11.95
17	Architecture and Engineering Occupations	189	176	(13)	5.0%	\$35.73
11	Management Occupations	154	133	(21)	3.9%	\$33.33
13	Business and Financial Operations Occupations	112	103	(9)	3.0%	\$21.11
41	Sales and Related Occupations	96	91	(5)	2.7%	\$12.55
47	Construction and Extraction Occupations	94	80	(14)	2.4%	\$14.61
15	Computer and Mathematical Occupations	39	35	(4)	1.0%	\$32.41
37	Building and Grounds Cleaning and Maintenance Occupations	20	19	(1)	0.5%	\$10.30
27	Arts, Design, Entertainment, Sports, and Media Occupations	17	15	(2)	0.4%	\$17.44
29	Healthcare Practitioners and Technical Occupations	12	14	2	0.4%	\$21.69
33	Protective Service Occupations	<10	<10	----	0.1%	--
19	Life, Physical, and Social Science Occupations	<10	<10	--	0.1%	--
35	Food Preparation and Serving Related Occupations	<10	<10	--	0.1%	--
45	Farming, Fishing, and Forestry Occupations	<10	<10	--	0.1%	--
23	Legal Occupations	<10	<10	--	0.0%	--
Total		3,807	3,417	(390)	100.0%	--

Top Ten Production Occupations for Manufacturing: Smyth County, VA (SOC: 5-Digit)^{vii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Smyth County Manufacturing	Median Hourly Earnings (All Industries)
1.	51-2092	Team Assemblers	250	228	(22)	6.8%	\$10.88
2.	51-4121	Welders, Cutters, Solderers, and Brazers	145	176	31	5.2%	\$14.19
3.	51-1011	First-Line Supervisors of Production and Operating Workers	184	173	(11)	5.0%	\$22.19
4.	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	120	110	(10)	3.2%	\$14.06
5.	51-9198	Helpers--Production Workers	110	101	(9)	3.0%	\$9.65
6.	51-2099	Assemblers and Fabricators, All Other	92	97	5	2.9%	\$10.26
7.	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	128	77	(51)	2.3%	\$10.87
8.	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	93	77	(16)	2.3%	\$14.85
9.	51-4041	Machinists	79	77	(2)	2.2%	\$17.30
10.	51-6031	Sewing Machine Operators	89	72	(17)	2.2%	\$8.24

Top Office and Administrative Support Occupations for Manufacturing: Smyth County, VA (SOC: 5-Digit)^{viii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Smyth County Manufacturing	Median Hourly Earnings (All Industries)
1.	43-5071	Shipping, Receiving, and Traffic Clerks	68	60	(8)	1.7%	\$11.19
2.	43-9061	Office Clerks, General	63	58	(5)	1.7%	\$10.62
3.	43-3031	Bookkeeping, Accounting, and Auditing Clerks	40	37	(3)	1.1%	\$13.44
4.	43-4051	Customer Service Representatives	39	34	(5)	1.0%	\$12.07
5.	43-5081	Stock Clerks and Order Fillers	35	33	(2)	0.9%	\$9.55
6.	43-5061	Production, Planning, and Expediting Clerks	29	26	(3)	0.8%	\$19.17
7.	43-1011	First-Line Supervisors of Office and Administrative Support Workers	19	17	(2)	0.5%	\$17.79
8.	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	19	15	(4)	0.4%	\$12.27
Other Titles (Each with <10 Employees): Receptionists and Information Clerks; Executive Secretaries and Executive Administrative Assistants; Payroll and Timekeeping Clerks; Human Resources Assistants, Except Payroll and Timekeeping; Procurement Clerks; Order Clerks; Billing and Posting Clerks; Weighers, Measurers, Checkers, and Samplers, Recordkeeping; Dispatchers, Except Police, Fire, and Ambulance; Office and Administrative Support Workers (All Other); File Clerks; Bill and Account Collectors; Data Entry Keyers; Mail Clerks and Mail Machine Operators, Except Postal Service							

Top Installation, Maintenance, and Repair Occupations for Manufacturing: Smyth County, VA (SOC: 5-Digit)^x

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Smyth County Manufacturing	Median Hourly Earnings (All Industries)
1.	49-9041	Industrial Machinery Mechanics	62	68	6	2.0%	15.02
2.	49-9071	Maintenance and Repair Workers, General	61	56	(5)	1.6%	\$13.65
3.	49-3011	Aircraft Mechanics and Service Technicians	32	29	(3)	0.8%	10.85
4.	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	19	19	0	0.6%	22.35
5.	49-9043	Maintenance Workers, Machinery	18	16	(2)	0.5%	\$15.55
Other Titles (Each with <10 Employees): Bus and Truck Mechanics and Diesel Engine Specialists; Mobile Heavy Equipment Mechanics (Except Engines); Helpers--Installation, Maintenance, and Repair Workers; Electrical and Electronics Installers and Repairers (Transportation Equipment); Electrical and Electronics Repairers (Commercial and Industrial Equipment); Recreational Vehicle Service Technicians; Electronic Equipment Installers and Repairers, Motor Vehicles; Automotive Service Technicians and Mechanics; Millwrights; Automotive Body and Related Repairers; Installation, Maintenance, and Repair Workers (All Other); Avionics Technicians; Control and Valve Installers and Repairers (Except Mechanical Door); Refractory Materials Repairers (Except Brickmasons); Heating, Air Conditioning, and Refrigeration Mechanics and Installers; Coin, Vending, and Amusement Machine Servicers and Repairers; Riggers; Manufactured Building and Mobile Home Installers; Farm Equipment Mechanics and Service Technicians; Medical Equipment Repairers							

Top Transportation and Material Moving Occupations for Manufacturing: Smyth County, VA (SOC: 5-Digit)*

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Smyth County Manufacturing	Median Hourly Earnings (All Industries)
1.	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	67	56	(11)	1.7%	\$11.13
2.	53-7064	Packers and Packagers, Hand	66	51	(15)	1.5%	\$9.86
3.	53-7051	Industrial Truck and Tractor Operators	45	38	(7)	1.1%	\$13.42
4.	53-3032	Heavy and Tractor-Trailer Truck Drivers	28	25	(3)	0.7%	\$14.50
5.	53-3033	Light Truck or Delivery Services Drivers	17	16	(1)	0.5%	\$10.36
6.	53-7063	Machine Feeders and Offbearers	19	11	(8)	0.3%	\$12.74
Other Titles (Each with <10 Employees): Driver/Sales Workers; Cleaners of Vehicles and Equipment; Crane and Tower Operators; First-Line Supervisors of Helpers, Laborers, and Material Movers (Hand); First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators; Commercial Pilots; Tank Car, Truck, and Ship Loaders; Material Moving Workers, All Other							

Top Architecture and Engineering Occupations for Manufacturing: Smyth County, VA (SOC: 5-Digit)^{xi}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Smyth County Manufacturing	Median Hourly Earnings (All Industries)
1.	17-2141	Mechanical Engineers	70	69	(1)	1.9%	\$40.11
2.	17-2112	Industrial Engineers	48	44	(4)	1.3%	\$34.98
3.	17-3026	Industrial Engineering Technicians	14	12	(2)	0.4%	\$21.75
Other Titles (Each with <10 Employees): Electrical Engineers; Engineers (All Other); Mechanical Drafters; Aerospace Engineers; Materials Engineers; Engineering Technicians, Except Drafters (All Other); Mechanical Engineering Technicians; Electrical and Electronics Engineering Technicians; Chemical Engineers; Health and Safety Engineers, Except Mining Safety Engineers and Inspectors; Electronics Engineers (Except Computer); Drafters (All Other); Environmental Engineers; Architectural and Civil Drafters; Aerospace Engineering and Operations Technicians; Petroleum Engineers; Electrical and Electronics Drafters; Agricultural Engineers; Electro-Mechanical Technicians; Civil Engineers; Mining and Geological Engineers (Including Mining Safety Engineers)							

References

- ⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ⁱⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ⁱⁱⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{iv} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^v Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{vi} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{vii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{viii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{ix} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^x Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{xi} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)