

Manufacturing - Occupational Employment and Annual Wage Estimates

Greater Phoenix, 2007

Occupational Title	Employment (rounded)	Average Wage	Wages by Percentile					Growth*	Turnover**
			10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile		
Engineering Occupations									
Aerospace Engineering and Operations Technicians	NA	\$59,146	\$38,166	\$49,477	\$61,025	\$72,471	\$79,787	7.7%	1.0
Aerospace Engineers	1,840	\$80,582	\$52,524	\$58,961	\$67,413	\$107,347	\$126,086	8.2%	0.3
Chemical Engineers	200	\$74,598	\$43,551	\$59,020	\$73,391	\$89,899	\$102,633	37.2%	1.2
Computer Hardware Engineers	3,030	\$85,101	\$59,258	\$70,489	\$84,856	\$99,409	\$118,678	14.3%	0.9
Electrical and Electronic Engineering Technicians	4,670	\$50,047	\$26,960	\$35,826	\$48,908	\$61,326	\$76,419	13.6%	0.7
Electrical and Electronics Drafters	390	\$57,599	\$33,184	\$41,960	\$58,689	\$74,277	\$81,649	21.1%	0.8
Electrical Engineers	3,340	\$79,792	\$51,771	\$60,751	\$76,959	\$96,686	\$118,219	18.7%	1.0
Electro-Mechanical Technicians	240	\$40,740	\$31,978	\$34,810	\$39,248	\$45,950	\$51,338	23.0%	1.1
Electronics Engineers, Except Computer	2,590	\$73,887	\$50,923	\$59,970	\$73,061	\$87,584	\$102,312	11.9%	0.6
Engineering Managers	4,990	\$111,550	\$74,404	\$92,069	\$111,002	\$129,433	NA	22.1%	1.1
Environmental Engineering Technicians	560	\$40,417	\$24,113	\$30,074	\$37,183	\$47,706	\$62,634	40.5%	1.9
Environmental Engineers	NA	\$67,978	\$39,882	\$47,097	\$62,754	\$89,317	\$104,569	34.0%	2.0
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	490	\$73,770	\$47,458	\$59,171	\$75,291	\$89,739	\$102,471	26.1%	1.1
Industrial Engineering Technicians	NA	\$41,933	\$23,712	\$29,248	\$38,418	\$52,785	\$65,377	9.4%	0.5
Industrial Engineers	2,780	\$69,946	\$46,170	\$56,574	\$67,162	\$82,251	\$99,106	25.2%	1.0
Materials Engineers	440	\$71,205	\$44,768	\$55,508	\$71,412	\$85,790	\$98,751	17.3%	0.7
Mechanical Drafters	2,180	\$43,051	\$28,767	\$33,674	\$40,361	\$50,608	\$61,161	26.9%	1.0
Mechanical Engineering Technicians	450	\$44,531	\$23,859	\$30,785	\$43,288	\$55,647	\$70,351	30.4%	1.4
Mechanical Engineers	3,120	\$72,591	\$46,632	\$55,841	\$66,883	\$82,554	\$113,915	25.4%	0.9
Production Occupations									
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	870	\$39,932	\$22,612	\$27,825	\$41,797	\$51,055	\$57,451	13.0%	0.5
Coil Winders, Tapers, and Finishers	NA	\$23,556	\$15,012	\$16,737	\$22,403	\$28,120	\$31,824	-11.7%	0.0
Computer-Controlled Machine Tool Operators, Metal and Plastic	790	\$33,790	\$22,069	\$27,389	\$33,639	\$39,924	\$46,899	9.8%	0.6
Cutting, Punching, and Press Machine Operators, Metal and Plastic	NA	\$25,472	\$16,393	\$18,395	\$23,078	\$31,278	\$38,481	-0.8%	0.0
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	NA	\$30,430	\$15,418	\$21,194	\$32,954	\$37,462	\$42,849	4.9%	0.2
Electrical and Electronic Equipment Assemblers	NA	\$36,043	\$20,993	\$25,817	\$34,842	\$45,656	\$53,338	5.2%	0.2
Electromechanical Equipment Assemblers	NA	\$29,854	\$20,428	\$23,505	\$30,645	\$36,756	\$39,691	-4.6%	0.0
Engine and Other Machine Assemblers	NA	\$38,406	\$27,142	\$29,974	\$40,954	\$46,599	\$49,885	NA	NA
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	NA	\$31,273	\$21,937	\$25,623	\$30,764	\$35,848	\$41,879	-14.8%	0.0

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Fiberglass Laminators and Fabricators	260	\$25,282	\$16,118	\$18,142	\$23,043	\$32,431	\$36,607	24.1%	1.0
First-Line Supervisors/Managers of Production and Operating Workers	6,650	\$48,257	\$28,896	\$35,096	\$44,088	\$58,402	\$76,117	19.5%	0.9
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	NA	\$29,006	\$18,729	\$22,207	\$27,521	\$35,827	\$41,307	1.2%	0.0
Foundry Mold and Coremakers	160	\$29,303	\$21,593	\$24,903	\$29,660	\$33,524	\$36,958	16.3%	0.6
Grinding, Lapping, Polishing, and Buffing Machine Tool Operators, Metal and Plastic	630	\$27,850	\$17,655	\$21,958	\$27,630	\$32,461	\$38,635	0.2%	0.0
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	40	\$33,282	\$27,242	\$29,848	\$32,831	\$36,557	\$40,446	-23.5%	0.0
Industrial Production Managers	1,260	\$85,525	\$45,313	\$57,675	\$79,399	\$108,270	\$134,555	10.0%	0.5
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	310	\$34,821	\$23,775	\$28,146	\$33,787	\$40,781	\$48,901	-7.0%	0.0
Lay-Out Workers, Metal and Plastic	NA	\$31,335	\$23,012	\$30,399	\$32,790	\$35,181	\$36,616	NA	NA
Machinists	3,380	\$36,025	\$21,669	\$27,237	\$35,270	\$43,523	\$50,642	13.3%	0.6
Metal-Refining Furnace Operators and Tenders	90	\$30,564	\$21,313	\$28,586	\$32,203	\$34,988	\$36,659	-30.1%	0.0
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	170	\$32,629	\$21,155	\$24,501	\$31,918	\$38,142	\$46,992	-3.3%	0.0
Model Makers, Metal and Plastic	90	\$29,478	\$21,191	\$23,124	\$27,428	\$34,802	\$42,129	41.8%	1.0
Molding, Coremaking, and Casting Machine Operators, Metal and Plastic	NA	\$30,756	\$16,586	\$19,636	\$26,865	\$37,808	\$55,898	-1.3%	0.0
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	200	\$24,635	\$18,885	\$20,959	\$23,827	\$27,774	\$31,659	11.5%	0.4
Numerical Tool and Process Control Programmers	210	\$45,138	\$29,851	\$36,054	\$44,456	\$55,813	\$62,689	8.9%	0.5
Patternmakers, Metal and Plastic	50	\$32,776	\$23,108	\$26,333	\$29,746	\$38,980	\$47,758	NA	NA
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	260	\$24,573	\$16,177	\$19,539	\$22,737	\$28,508	\$37,038	1.7%	0.0
Pourers and Casters, Metal	NA	\$30,712	\$19,949	\$25,390	\$29,536	\$35,930	\$43,571	NA	NA
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	220	\$25,833	\$17,680	\$20,202	\$25,940	\$30,437	\$34,852	22.3%	1.0
Structural Metal Fabricators and Fitters	1,040	\$28,842	\$18,978	\$24,086	\$28,886	\$33,753	\$37,137	30.9%	1.3
Team Assemblers	13,010	\$24,009	\$15,488	\$17,905	\$21,888	\$28,273	\$35,735	19.3%	0.7
Tool and Die Makers	NA	\$43,437	\$30,065	\$35,546	\$42,954	\$50,078	\$61,836	7.3%	0.3
Tool Grinders, Filers, and Sharpeners	280	\$30,511	\$25,321	\$26,982	\$29,564	\$32,228	\$38,279	4.2%	0.2
Welders, Cutters, Solderers, and Brazers	3,620	\$31,411	\$19,880	\$23,794	\$29,682	\$37,427	\$45,330	30.4%	1.1
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	230	\$33,471	\$20,985	\$25,303	\$30,888	\$43,152	\$49,570	5.0%	0.2
Material Moving Occupations									
Conveyor Operators and Tenders	320	\$26,104	\$15,103	\$20,249	\$25,771	\$30,813	\$37,981	33.1%	1.2
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	2,130	\$43,307	\$26,264	\$32,363	\$40,319	\$49,651	\$61,712	18.9%	0.8
First-Line Supervisors/Managers of Material-Moving Machine and Vehicle Operators	2,250	\$53,201	\$31,360	\$38,518	\$51,284	\$64,753	\$79,297	26.8%	1.1
Laborers and Freight, Stock, and Material Movers, Hand	31,680	\$23,227	\$15,189	\$17,629	\$21,819	\$27,356	\$33,778	18.9%	0.6
Machine Feeders and Offbearers	NA	\$24,526	\$16,064	\$18,816	\$25,184	\$29,130	\$32,334	-6.7%	0.0
Packers and Packagers, Hand	8,640	\$19,017	\$14,289	\$14,662	\$15,734	\$21,598	\$27,035	27.9%	1.5

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Tank Car, Truck, and Ship Loaders	60	\$40,025	\$26,608	\$34,164	\$43,012	\$47,521	\$50,226	2.1%	0.0
Truck Drivers, Heavy and Tractor-Trailer	17,180	\$38,852	\$26,490	\$31,637	\$37,323	\$45,019	\$54,473	27.9%	1.7
Truck Drivers, Light or Delivery Services	12,370	\$29,984	\$18,113	\$21,729	\$27,320	\$35,502	\$47,559	32.3%	3.5
Total All Occupations	1,840,350	\$38,506	\$15,964	\$20,565	\$30,278	\$45,976	\$70,502	29.5%	1.3

*Ten-year employment growth projection, 2004-2014

**Projected number of annual openings due to growth divided by the projected number of annual openings due to replacement (such as career changes, retirements, promotions, etc.). Higher ratios indicate lower turnover. Based on 2004-2014 occupational projection data.

Source: Arizona Department of Commerce