

Table 971. Manufacturing Industries—Employment by Industry: 1990 to 2007

[Annual averages of monthly figures (109,487 represents 109,487,000). Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. Minus sign (-) indicates decrease. See also headnote, Table 612]

Industry	2002 NAICS code ¹	All employees (1,000)						Percent change	
		1990	2000	2004	2005	2006	2007	1990-2000	2000-2007
All industries	(X)	109,487	131,785	131,435	133,703	136,086	137,623	20.4	4.4
Manufacturing	31-33	17,695	17,263	14,315	14,226	14,155	13,884	-2.4	-19.6
Percent of all industries	(X)	16.2	13.1	10.9	10.6	10.4	10.1	(X)	(X)
Durable goods	(X)	10,736	10,876	8,924	8,955	8,981	8,816	1.3	-18.9
Wood products	321	541	613	550	559	559	520	13.4	-15.2
Sawmills & wood preservation	3211	148	134	119	119	118	111	-9.6	-17.1
Plywood & engineered wood products	3212	96	122	118	123	120	109	28.2	-11.4
Other wood products	3219	297	357	313	317	321	300	20.1	-15.8
Nonmetallic mineral products	327	528	554	506	505	510	503	4.9	-9.2
Clay products & refractories	3271	84	82	65	62	61	58	-1.9	-29.6
Glass & glass products	3272	152	141	113	108	102	101	-7.6	-28.6
Cement & concrete products	3273	195	234	235	240	248	243	20.1	4.0
Lime, gypsum, & other nonmetallic mineral products	3279	98	97	94	96	99	102	-0.3	4.7
Primary metals	331	689	622	467	466	464	456	-9.7	-26.7
Iron & steel mills & ferroalloy production	3311	187	135	95	96	97	100	-27.7	-25.9
Steel products from purchased steel	3312	70	73	61	61	61	60	4.0	-17.8
Alumina & aluminum production	3313	108	101	74	73	73	72	-7.3	-28.6
Other nonferrous metal production	3314	109	96	71	72	73	69	-11.7	-28.6
Foundries	3315	214	217	165	164	161	155	1.4	-28.4
Fabricated metal products	332	1,610	1,753	1,497	1,522	1,553	1,563	8.9	-10.8
Forging & stamping	3321	128	138	110	111	113	111	7.9	-19.9
Cutlery & hand tools	3322	79	79	59	56	54	51	0.3	-34.9
Architectural & structural metals	3323	357	428	389	398	412	416	20.0	-2.8
Boilers, tanks, & shipping containers	3324	117	107	92	91	94	96	-9.1	-9.7
Hardware	3325	57	50	38	36	34	33	-12.8	-33.7
Spring & wire products	3326	78	81	62	59	58	57	4.3	-30.1
Machine shops & threaded products	3327	309	365	327	345	352	361	18.4	-1.2
Coating, engraving, & heat treating metals	3328	143	175	143	145	149	148	22.7	-15.6
Other fabricated metal products	3329	344	330	278	282	287	291	-4.0	-11.8
Machinery	333	1,408	1,455	1,143	1,163	1,183	1,188	3.3	-18.3
Agricultural, construction, & mining machinery	3331	229	222	195	208	220	230	-2.8	3.5
Industrial machinery	3332	152	164	121	124	124	126	8.0	-23.4
Commercial & service industry machinery	3333	147	147	115	111	109	108	0.3	-26.9
HVAC & commercial refrigeration equipment	3334	165	194	153	153	157	154	17.9	-20.7
Metalworking machinery	3335	267	274	202	202	200	193	2.5	-29.5
Turbine & power transmission equipment	3336	114	111	93	98	100	103	-2.4	-7.7
Other general purpose machinery	3339	335	344	265	268	273	275	2.7	-20.0
Computer & electronic products	334	1,903	1,820	1,323	1,316	1,308	1,272	-4.3	-30.1
Computer & peripheral equipment	3341	367	302	210	205	196	187	-17.8	-38.1
Communications equipment	3342	232	239	148	147	136	129	3.1	-46.1
Audio & video equipment	3343	60	52	33	32	31	31	-13.3	-41.5
Semiconductors & electronic components	3344	574	676	454	452	458	445	17.8	-34.3
Electronic instruments	3345	626	488	431	436	445	444	-22.1	-9.0
Magnetic media manufacturing & reproduction	3346	43	63	46	45	42	37	46.4	-41.0
Electrical equipment & appliances	335	633	591	445	434	433	427	-6.7	-27.7
Electric lighting equipment	3351	81	85	65	61	59	58	5.0	-31.4
Household appliances	3352	114	106	90	85	80	75	-7.0	-29.1
Electrical equipment	3353	244	210	154	152	155	155	-13.9	-26.1
Other electrical equipment & components	3359	195	191	137	136	139	139	-2.3	-26.9
Transportation equipment ²	336	2,133	2,057	1,766	1,771	1,769	1,711	-3.6	-16.8
Motor vehicles	3361	271	291	256	248	237	223	7.4	-23.5
Motor vehicle bodies & trailers	3362	130	183	165	171	179	165	40.8	-9.7
Motor vehicle parts	3363	653	840	692	678	655	609	28.6	-27.5
Aerospace products & parts	3364	841	517	442	455	474	487	-38.5	-5.7
Ship & boat building	3366	173	154	148	153	157	161	-10.7	4.4
Other transportation equipment	3369	35	40	38	39	40	40	14.0	-0.3

See footnotes at end of table.

Table 971. Manufacturing Industries—Employment by Industry: 1990 to 2007—Con.

[Annual averages of monthly figures (109,487 represents 109,487,000). Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. Minus sign (–) indicates decrease. See also headnote, Table 612]

Industry	2002 NAICS code ¹	All employees (1,000)						Percent change	
		1990	2000	2004	2005	2006	2007	1990–2000	2000–2007
Furniture & related products	337	601	683	573	565	560	535	13.5	-17.9
Household & institutional furniture	3371	398	443	385	380	374	350	11.3	-15.7
Office furniture & fixtures	3372	156	181	135	133	136	136	16.0	-27.0
Other furniture-related products	3379	47	58	53	52	51	49	23.1	-13.1
Miscellaneous manufacturing	339	690	728	656	652	644	641	5.4	-10.5
Medical equipment & supplies	3391	288	305	301	305	303	306	5.9	1.3
Other miscellaneous manufacturing	3399	403	403	354	347	341	335	0.0	-14.9
Nondurable goods	(X)	6,959	6,386	5,391	5,272	5,174	5,068	-8.2	-20.6
Food manufacturing	311	1,507	1,553	1,494	1,478	1,479	1,481	3.0	-4.6
Animal food	3111	57	55	50	49	49	51	-4.2	-6.8
Grain & oilseed milling	3112	71	65	60	61	61	61	-9.1	-5.9
Sugar & confectionery products	3113	99	92	83	79	75	74	-7.3	-19.5
Fruit & vegetable preserving & specialty	3114	218	197	181	174	176	173	-9.5	-12.5
Dairy products	3115	145	136	131	132	131	129	-5.9	-4.9
Animal slaughtering & processing	3116	427	507	505	504	506	507	18.6	0.1
Seafood product preparation & packaging	3117	54	45	42	41	41	44	-17.2	-2.9
Bakeries & tortilla manufacturing	3118	292	306	285	280	280	278	4.9	-9.3
Other food products	3119	143	150	156	159	160	165	5.0	9.6
Beverages & tobacco products	312	218	207	195	192	194	196	-4.9	-5.5
Beverages	3121	173	175	166	167	171	174	1.2	-0.3
Textile mills	313	492	378	237	218	195	170	-23.1	-55.1
Fiber, yarn, & thread mills	3131	102	81	54	50	48	42	-20.5	-48.2
Fabric mills	3132	270	192	115	104	90	76	-29.0	-60.4
Textile & fabric finishing mills	3133	120	105	68	63	58	52	-12.1	-50.6
Textile product mills	314	209	230	176	170	167	158	9.7	-31.0
Textile furnishings mills	3141	127	129	101	96	90	84	1.3	-34.7
Other textile product mills	3149	82	101	75	74	77	74	22.6	-26.3
Apparel	315	929	484	286	257	232	213	-48.0	-55.9
Apparel knitting mills	3151	112	69	42	37	35	30	-38.4	-56.2
Cut & sew apparel	3152	776	380	221	200	178	164	-51.0	-56.8
Accessories & other apparel	3159	41	34	23	21	20	19	-16.9	-45.6
Leather & allied products	316	133	69	42	40	37	34	-48.3	-50.7
Footwear	3162	83	31	19	18	17	16	-62.8	-47.2
Leather & hide tanning & finishing & other leather products	3169	51	38	23	22	19	18	-25.0	-53.2
Paper & paper products	322	647	605	496	484	471	461	-6.6	-23.8
Pulp, paper, & paperboard mills	3221	238	191	146	142	136	132	-19.7	-31.0
Converted paper products	3222	409	413	350	343	334	329	1.1	-20.5
Printing & related support activities	323	809	807	663	646	634	624	-0.2	-22.6
Petroleum & coal products	324	153	123	112	112	113	113	-19.4	-8.0
Chemicals	325	1,036	980	887	872	866	863	-5.3	-12.0
Basic chemicals	3251	249	188	156	150	147	150	-24.4	-20.4
Resin, rubber, & artificial fibers	3252	158	136	110	108	105	105	-14.2	-22.4
Agricultural chemicals	3253	52	48	42	40	38	37	-8.8	-23.0
Pharmaceuticals & medicines	3254	207	274	290	288	292	297	32.4	8.1
Paints, coatings, & adhesives	3255	85	79	68	68	67	65	-6.6	-17.5
Soaps, cleaning compounds, and toiletries	3256	132	129	115	114	111	109	-2.4	-15.1
Other chemical products and preparations	3259	153	127	107	104	105	100	-17.1	-21.1
Plastics & rubber products	326	826	951	806	803	786	754	15.1	-20.7
Plastics products	3261	619	737	633	635	630	606	19.1	-17.7
Rubber products	3262	207	214	172	168	156	148	3.3	-31.0

X Not applicable. ¹ Based on the North American Industry Classification System, 2002 (NAICS); see text, this section and Section 15. ² Includes railroad rolling stock manufacturing not shown separately.