

Value-added revenue of high-technology manufacturing industries for selected regions/countries/economies: 1996–2005

(Millions of 2000 U.S. constant dollars)

Industry and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Aerospace										
All regions/countries/economies	77,735	83,089	93,934	94,889	88,906	95,720	88,039	87,753	86,992	91,773
United States.....	48,659	48,474	57,139	54,973	48,926	52,313	45,706	45,218	42,416	45,316
EU	17,378	21,633	23,577	24,897	23,986	26,033	24,369	24,363	24,514	24,610
Austria	21	32	16	20	17	18	32	35	37	41
Belgium	280	389	448	476	454	477	397	368	417	461
Bulgaria	34	23	18	10	9	3	12	13	16	23
Czech Republic	35	26	47	71	81	90	109	115	116	114
Denmark.....	7	13	5	8	11	12	11	9	9	14
Finland.....	152	162	167	131	110	102	109	104	104	110
France.....	4,360	7,283	6,575	6,637	5,564	6,009	5,005	4,488	3,934	3,810
Germany.....	4,317	4,181	4,757	5,527	4,885	5,776	6,585	7,259	7,229	7,576
Greece.....	180	225	194	193	190	205	226	216	204	201
Hungary.....	0	0	16	23	18	14	15	20	18	12
Ireland.....	97	131	180	177	203	210	162	152	159	157
Italy.....	1,280	1,577	2,403	2,056	2,338	2,583	2,275	2,104	2,112	1,782
Netherlands.....	210	382	418	414	432	404	412	432	448	426
Poland.....	145	131	124	111	182	243	162	141	160	163
Portugal.....	12	27	32	13	18	9	9	9	9	9
Romania.....	1	1	1	1	1	1	2	3	2	2
Slovakia.....	0	0	0	0	0	0	0	0	0	0
Spain.....	527	584	681	694	749	689	704	741	791	828
Sweden.....	579	433	744	658	639	753	668	428	374	203
United Kingdom.....	5,140	6,032	6,752	7,676	8,085	8,433	7,474	7,725	8,374	8,679
Asia.....	5,114	5,791	6,959	8,019	8,211	8,735	9,582	11,059	12,810	14,327
China.....	1,896	2,406	3,129	3,758	4,011	3,169	3,650	4,657	5,380	5,884
India.....	62	86	93	98	65	57	64	70	71	78
Indonesia.....	51	25	6	6	15	12	15	11	26	70
Japan.....	2,430	2,549	3,056	3,280	2,991	3,971	4,266	4,795	5,686	6,347
Malaysia.....	4	5	1	6	8	10	18	21	20	22
Philippines.....	3	4	2	2	3	3	4	4	4	5
Singapore.....	404	426	374	453	474	562	643	599	610	673
South Korea.....	96	117	183	312	400	515	410	336	454	495
Taiwan.....	154	162	95	66	183	349	440	482	453	602
Thailand.....	14	12	20	38	60	87	73	84	105	151
All others.....	6,584	7,190	6,259	7,001	7,783	8,639	8,382	7,114	7,252	7,520
Pharmaceuticals										
All regions/countries/economies	140,356	144,152	144,311	159,885	169,062	182,917	196,332	213,583	224,147	233,753
United States.....	43,437	44,484	45,529	50,678	55,026	60,826	66,920	75,120	78,251	75,294
EU	38,821	39,416	40,543	44,545	47,149	52,745	55,871	59,823	63,941	68,996
Austria.....	669	679	739	769	873	729	903	913	937	1,102
Belgium.....	1,968	1,997	1,893	2,165	2,376	2,546	2,912	3,750	4,066	4,305

Appendix table 6-11

(Page 2 of 5)

Value-added revenue of high-technology manufacturing industries for selected regions/countries/economies: 1996–2005

(Millions of 2000 U.S. constant dollars)

Industry and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Bulgaria	25	23	16	13	13	12	20	24	26	31
Czech Republic	89	74	80	66	68	68	58	61	68	81
Denmark	910	1,069	1,218	1,388	1,659	1,838	2,081	2,010	1,846	2,207
Finland	297	324	326	266	246	238	204	209	177	228
France	5,981	6,539	6,628	7,091	8,392	9,235	9,343	10,309	10,921	12,293
Germany	9,474	8,306	8,045	8,489	8,278	9,245	10,229	10,725	11,925	13,749
Greece	56	70	82	90	127	169	186	196	213	225
Hungary	267	278	402	327	462	476	530	636	672	771
Ireland	885	1,294	1,910	2,428	2,147	2,949	4,490	4,212	5,270	5,214
Italy	5,760	5,825	6,081	6,557	6,702	6,789	6,305	6,542	6,957	6,923
Netherlands	1,079	1,219	1,069	1,248	1,434	1,438	1,223	1,325	1,294	1,348
Poland	472	498	460	467	468	417	559	619	654	654
Portugal	336	310	314	304	306	274	238	255	253	265
Romania	169	127	93	89	102	94	102	124	166	179
Slovakia	138	108	106	141	117	134	140	160	209	249
Spain	2,109	2,280	2,190	2,412	2,402	2,528	2,692	2,831	2,753	2,813
Sweden	1,969	2,039	2,192	2,498	2,769	3,193	3,644	4,292	4,575	4,724
United Kingdom	6,169	6,357	6,697	7,737	8,209	10,373	10,012	10,629	10,960	11,636
Asia	39,971	41,246	39,268	45,982	47,787	49,638	53,471	58,044	60,682	66,484
China	4,211	4,602	4,829	6,152	7,746	8,660	9,619	12,941	13,861	19,037
India	1,303	1,488	1,592	2,011	1,727	2,187	2,991	3,140	3,504	3,975
Indonesia	400	378	259	304	366	386	723	493	523	561
Japan	29,130	29,412	27,414	31,405	31,044	31,144	31,495	32,634	32,929	30,734
Malaysia	66	75	68	79	82	74	81	94	158	265
Philippines	502	901	660	766	916	898	780	718	822	928
Singapore	641	510	845	940	1,206	1,226	1,947	1,921	2,280	2,747
South Korea	3,177	3,234	2,943	3,598	3,899	4,300	5,059	5,271	5,776	7,279
Taiwan	407	458	489	513	541	492	496	518	477	524
Thailand	133	186	170	214	259	272	280	314	354	433
All others	18,128	19,006	18,973	18,680	19,100	19,707	20,069	20,597	21,272	22,978
Office and computing machinery										
All regions/countries/economies	72,699	81,269	88,207	95,403	104,883	101,441	105,791	119,404	142,275	163,520
United States	11,077	15,360	21,807	24,570	29,937	27,981	30,967	31,401	33,213	39,028
EU	12,876	13,559	14,992	15,328	15,173	13,793	13,157	13,885	14,068	13,708
Austria	38	51	52	119	119	125	140	141	132	91
Belgium	56	61	61	56	72	56	40	32	29	40
Bulgaria	6	7	6	5	5	3	7	4	5	4
Czech Republic	108	70	39	82	94	214	323	260	433	643
Denmark	101	69	49	70	111	139	111	150	189	222
Finland	65	73	54	29	4	24	14	16	15	19
France	1,154	1,576	1,818	2,117	2,453	2,576	2,442	2,359	2,452	1,296
Germany	2,748	3,265	3,662	3,730	3,711	2,934	3,126	3,071	3,349	4,379

Value-added revenue of high-technology manufacturing industries for selected regions/countries/economies: 1996–2005

(Millions of 2000 U.S. constant dollars)

Industry and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greece	1	4	2	2	5	5	9	1	2	1
Hungary	81	229	318	279	211	196	184	214	221	251
Ireland.....	2,549	2,226	2,118	2,201	2,103	1,553	1,533	1,695	1,672	1,607
Italy.....	855	714	775	620	669	624	427	317	350	184
Netherlands.....	326	301	398	363	409	416	323	326	335	308
Poland.....	83	78	96	145	182	93	90	150	165	139
Portugal	77	134	100	131	131	145	120	129	116	98
Romania.....	6	7	5	4	4	5	5	6	6	6
Slovakia.....	7	4	5	8	10	14	13	20	26	36
Spain	1,101	865	1,008	875	605	355	194	125	97	101
Sweden.....	258	262	261	247	232	89	152	161	204	170
United Kingdom.....	3,255	3,562	4,165	4,247	4,041	4,228	3,902	4,709	4,270	4,113
Asia.....	44,759	47,246	45,755	49,524	52,534	52,385	55,746	68,953	89,571	104,924
China	2,834	4,056	6,354	10,171	12,705	18,916	25,116	38,794	59,354	75,220
India.....	79	112	94	114	92	78	73	81	85	51
Indonesia	1	3	3	2	3	4	8	8	13	9
Japan.....	31,112	30,975	29,143	27,491	25,267	20,519	16,613	16,139	16,458	15,288
Malaysia	1,170	1,539	1,322	726	664	510	345	290	270	319
Philippines	50	101	79	82	121	165	133	158	187	119
Singapore.....	4,586	4,930	2,851	3,155	4,018	3,202	3,729	3,686	4,014	4,800
South Korea	1,796	1,851	1,753	2,801	4,111	4,026	4,384	4,564	4,356	4,185
Taiwan	3,130	3,679	4,155	4,980	5,552	4,965	5,346	5,232	4,832	4,931
Thailand.....	1	1	1	1	1	1	1	1	2	2
All others.....	3,987	5,104	5,652	5,981	7,240	7,283	5,921	5,164	5,424	5,859
Radio, television, and communications equipment										
All regions/countries/economies	237,791	271,312	275,222	322,351	396,337	349,010	354,313	410,566	491,956	544,023
United States.....	34,458	47,005	62,711	82,955	120,234	114,289	110,418	133,102	159,515	187,083
EU	43,632	47,638	47,164	51,770	57,643	51,342	49,638	51,916	58,916	63,702
Austria	1,525	1,516	1,629	1,795	2,224	1,963	1,779	1,622	1,906	2,094
Belgium	1,320	1,522	1,286	1,329	1,482	1,232	971	981	966	880
Bulgaria	52	46	38	37	54	63	144	160	130	168
Czech Republic	188	274	481	653	407	461	549	645	966	928
Denmark.....	491	522	523	636	551	539	589	565	391	367
Finland.....	1,571	1,954	3,227	4,039	5,565	5,046	6,728	7,775	8,817	9,649
France.....	4,200	5,055	6,299	7,375	9,873	9,158	9,493	9,645	11,083	12,198
Germany	6,505	7,644	8,552	8,743	10,957	8,988	9,475	10,325	12,356	14,769
Greece	57	65	165	142	207	157	107	74	79	48
Hungary	3,232	4,632	399	438	524	684	764	1,971	3,167	4,142
Ireland.....	655	1,090	1,294	1,924	2,346	2,365	2,318	2,192	2,268	2,437
Italy.....	7,613	6,842	6,046	6,520	5,716	6,065	5,286	4,926	4,902	4,554
Netherlands.....	2,128	1,939	1,996	2,081	2,362	2,027	1,710	1,768	1,789	1,705
Poland.....	426	463	512	625	501	533	859	907	1,133	1,269

Appendix table 6-11

(Page 4 of 5)

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Industry and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Portugal	302	265	248	231	229	263	255	408	474	637
Romania.....	101	120	95	78	44	41	35	41	42	26
Slovakia.....	27	43	40	15	19	35	45	48	65	102
Spain	1,559	1,449	1,347	1,065	1,254	899	647	534	520	469
Sweden.....	2,753	3,038	3,481	3,334	2,570	1,831	536	540	689	873
United Kingdom.....	8,928	9,159	9,507	10,709	10,756	8,992	7,349	6,789	7,174	6,387
Asia.....	143,736	158,531	147,546	166,988	195,058	165,785	178,723	210,536	257,197	274,950
China	12,005	13,785	13,094	16,000	19,199	21,959	29,826	45,483	69,701	83,011
India.....	592	546	668	696	597	577	456	531	678	583
Indonesia	1,242	1,930	1,037	1,709	2,179	2,263	3,060	3,230	3,856	3,974
Japan.....	99,302	108,296	100,607	105,237	118,581	92,884	90,039	104,279	121,435	123,346
Malaysia	4,317	5,097	4,633	5,778	7,528	5,989	7,056	7,884	9,601	10,833
Philippines	522	1,164	989	1,157	1,779	1,982	2,328	2,242	2,807	3,024
Singapore.....	4,388	4,737	3,425	4,870	6,444	4,616	4,466	4,832	5,225	5,698
South Korea	11,108	12,125	10,569	16,321	22,710	20,999	24,306	24,817	28,471	29,978
Taiwan	9,230	9,976	11,831	14,530	15,198	13,771	16,314	16,265	14,371	13,346
Thailand.....	1,029	874	693	690	844	745	872	974	1,052	1,157
All others.....	15,965	18,138	17,801	20,637	23,401	17,595	15,534	15,013	16,327	18,288
Medical, precision, and optical instruments										
All regions/countries/economies	103,251	107,262	111,478	114,507	124,299	125,075	127,721	138,392	159,235	168,324
United States.....	37,106	38,391	41,926	42,486	44,360	44,124	46,720	51,295	61,944	67,488
EU	34,868	35,969	37,459	38,586	42,955	43,989	45,589	46,921	48,705	50,099
Austria	393	446	489	592	631	668	718	687	753	781
Belgium	360	366	373	352	355	347	373	379	426	416
Bulgaria	12	14	10	8	8	7	11	12	15	14
Czech Republic	190	202	183	225	192	258	245	242	270	308
Denmark.....	671	783	900	894	1,050	1,060	976	977	1,071	1,017
Finland.....	520	582	623	620	662	703	658	575	561	546
France.....	4,164	4,771	5,117	5,719	6,654	7,050	8,263	8,225	8,162	8,775
Germany	12,623	12,521	13,168	13,393	15,147	15,372	15,382	16,172	17,280	17,727
Greece.....	51	54	46	48	51	71	57	80	60	64
Hungary	168	184	164	176	190	207	203	245	280	284
Ireland.....	551	729	891	1,051	1,496	2,061	2,055	2,415	2,503	2,822
Italy.....	3,987	4,079	4,022	4,080	4,502	4,514	5,210	4,375	4,288	4,243
Netherlands.....	388	378	395	413	461	446	405	384	376	392
Poland.....	440	507	561	675	642	714	628	696	784	898
Portugal	146	127	144	156	165	177	180	187	191	192
Romania.....	94	88	59	58	63	79	85	117	103	88
Slovakia.....	72	86	86	55	57	60	60	70	78	134
Spain	1,063	1,211	1,247	1,229	1,283	1,202	870	903	961	938
Sweden.....	1,191	1,187	1,323	1,312	1,358	790	1,620	1,551	1,683	1,737
United Kingdom.....	7,785	7,657	7,660	7,530	7,987	8,203	7,590	8,628	8,860	8,723

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(Millions of 2000 U.S. constant dollars)

Industry and region/country/economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Asia.....	20,775	21,562	21,049	21,489	22,974	22,503	21,581	26,129	32,908	33,804
China	2,317	2,171	2,269	2,468	2,881	3,283	3,618	6,018	8,975	9,839
India.....	265	186	334	402	357	416	405	442	459	498
Indonesia	63	88	61	101	138	84	78	56	57	69
Japan.....	15,559	16,475	15,785	15,506	16,096	15,191	13,758	15,386	18,800	18,680
Malaysia	199	233	224	212	334	368	334	362	428	510
Philippines	27	49	37	41	63	71	68	77	96	116
Singapore.....	452	503	491	668	734	727	804	877	845	887
South Korea	1,311	1,265	1,248	1,346	1,535	1,518	1,522	1,621	1,712	1,624
Taiwan	468	477	511	636	710	711	856	1,109	1,300	1,268
Thailand.....	113	116	92	109	126	134	140	180	236	312
All others.....	10,501	11,340	11,043	11,946	14,011	14,458	13,831	14,047	15,679	16,934

EU = European Union

NOTES: High-technology manufacturing industries classified by Organisation for Economic Co-operation and Development and include aerospace, communications equipment, office machinery and computers, pharmaceuticals, and scientific instruments. Value-added revenue excludes purchases of domestic and imported materials and inputs. EU excludes Cyprus, Estonia, Latvia, Lithuania, Luxembourg, Malta, and Slovenia. China includes Hong Kong. Constant dollar data for foreign countries calculated by deflating industry data valued in each country's nominal domestic currency with a sector-specific price index constructed for that country and then converted to U.S. dollars based on average annual exchange rates.

SOURCE: Global Insight, Inc., World Industry Service database, special tabulations (15 April 2007).

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