

Appendix table 6-7

Value added of HT manufacturing industries, by region/country/economy: 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
World	763,067	742,246	793,902	861,874	753,753	777,222	872,641	991,868	1,075,465	1,176,842	1,273,990	1,343,263	1,277,428	1,417,304	1,514,523	1,525,948
North America																
Canada	11,176	10,514	13,401	15,061	11,864	11,220	13,066	14,324	15,647	17,740	21,709	22,478	19,050	20,833	22,042	21,316
Mexico	9,660	11,474	13,328	15,572	15,751	14,821	12,907	12,421	13,529	14,919	15,840	15,268	12,622	14,629	16,564	16,047
United States	248,432	257,120	259,524	284,270	252,750	261,035	266,352	292,602	321,511	349,815	361,910	365,891	390,734	408,194	398,987	416,344
Central and South America																
Argentina	1,417	1,240	1,119	1,052	931	324	461	569	677	742	867	996	970	1,104	1,317	1,365
Bolivia	21	24	33	22	22	23	27	27	34	32	31	43	50	48	57	66
Brazil	13,791	12,505	10,416	12,835	11,603	9,454	8,566	11,315	13,936	17,473	20,307	29,542	27,102	34,058	39,104	35,744
Chile	408	401	257	367	251	228	228	303	349	393	427	494	467	557	654	715
Colombia	967	900	737	676	719	705	641	828	871	971	1,242	1,404	1,261	1,504	1,732	1,891
Costa Rica	65	62	59	63	71	73	76	84	90	101	123	137	120	145	169	181
Ecuador	61	14	24	144	39	57	40	50	63	61	97	105	99	104	122	136
Honduras	8	9	9	10	10	11	11	12	12	14	14	16	15	18	20	21
Jamaica	25	26	26	26	27	28	27	30	33	35	37	41	36	39	42	42
Panama	9	13	13	13	19	20	20	18	23	24	26	30	30	30	34	38
Peru	210	201	192	182	173	199	202	172	203	270	328	393	379	378	433	490
Uruguay	147	122	126	108	103	72	64	62	82	101	118	151	155	174	212	227
Venezuela	322	420	399	495	498	341	315	420	518	613	757	1,083	1,103	720	957	1,047
Europe																
EU	176,088	182,489	190,772	184,492	176,090	183,887	216,364	242,772	257,977	275,277	312,775	319,492	274,062	274,137	292,853	274,288
Austria	3,630	3,947	3,812	3,875	3,629	3,893	4,732	5,378	5,959	6,454	6,717	7,037	6,393	6,689	7,080	6,700
Belgium	4,397	4,073	4,763	4,666	4,621	4,935	5,950	6,562	6,928	7,351	8,136	8,863	8,287	9,071	9,627	9,009
Bulgaria	126	111	108	114	123	131	166	192	251	233	303	271	202	228	287	292
Czech Republic	869	897	972	991	999	1,158	1,527	1,694	2,019	2,396	2,782	3,255	2,596	2,642	2,900	2,487
Denmark	3,013	3,172	3,533	3,362	3,623	3,444	4,469	4,776	5,446	5,511	6,055	6,175	5,770	6,576	6,675	7,001
Finland	3,894	5,237	6,211	6,610	5,758	6,963	8,254	8,586	8,838	9,666	12,226	11,295	5,889	5,546	4,169	3,772
France	29,093	29,271	29,172	28,856	28,288	28,974	33,822	34,426	36,486	38,430	40,301	41,650	38,909	31,450	32,628	31,134
Germany	42,636	42,923	44,743	43,871	40,867	43,855	56,168	66,078	70,889	74,851	92,372	93,596	72,751	78,293	90,184	82,581
Greece	550	602	644	619	797	985	1,140	1,030	1,130	1,184	1,305	1,524	1,179	1,072	1,129	945
Hungary	1,325	1,436	1,326	1,321	1,571	1,778	2,741	3,647	4,030	4,060	3,892	4,487	4,049	3,813	4,312	3,710
Ireland	4,966	5,626	8,588	8,337	7,684	8,877	9,077	9,538	10,570	11,298	13,250	13,009	12,573	11,359	11,937	10,942
Italy	20,051	20,569	20,639	19,080	19,988	21,110	24,018	27,185	26,826	28,526	31,671	33,514	30,350	29,320	27,148	24,093
Netherlands	5,114	5,183	5,526	5,808	4,860	4,333	5,238	5,717	6,414	6,126	6,712	7,487	6,892	6,881	7,631	7,215
Poland	1,775	1,941	2,193	1,964	2,137	2,060	2,200	2,410	3,069	3,430	3,924	5,232	4,119	4,930	5,396	4,948
Portugal	1,044	924	963	874	892	884	1,059	1,155	1,175	1,167	1,296	1,468	1,240	1,201	1,268	1,178
Romania	381	447	328	356	363	416	370	447	655	725	971	1,180	746	723	765	749
Slovakia	295	250	176	266	252	295	361	401	523	830	996	1,471	1,309	1,266	1,430	1,255
Spain	7,493	7,404	7,342	6,732	6,918	6,723	8,338	8,945	9,477	10,440	11,971	13,864	12,233	11,778	11,714	10,442
Sweden	8,362	9,396	9,707	8,014	6,207	7,614	9,668	13,170	13,617	14,456	14,873	15,214	15,700	16,628	18,907	18,186
United Kingdom	37,076	39,079	40,026	38,774	36,515	35,461	37,067	41,435	43,673	48,142	53,020	48,900	42,875	44,671	47,666	47,650

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(Millions of current dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other Europe																
Norway	1,218	1,117	1,375	1,248	1,201	1,410	1,607	1,811	2,061	2,470	2,821	3,184	2,851	2,955	3,426	3,451
Russia	14,172	9,624	6,264	2,755	3,015	3,836	4,894	5,717	6,261	7,851	10,623	13,008	10,574	14,815	19,106	20,882
Switzerland	12,703	13,274	12,911	12,050	13,468	15,592	18,332	21,108	23,048	25,745	29,609	35,484	32,869	36,544	42,694	44,634
Ukraine	428	370	321	322	419	471	600	707	832	972	1,365	1,875	1,091	1,602	1,971	2,206
Middle East																
Bahrain	17	15	15	16	17	18	19	21	28	38	49	62	50	65	78	72
Iran	301	249	272	346	386	519	651	800	784	866	1,088	1,294	1,319	1,536	1,821	1,484
Israel	4,420	4,800	5,295	7,346	5,757	4,915	5,174	5,386	5,629	6,229	7,441	8,525	8,450	8,884	9,420	9,079
Jordan	75	93	89	99	110	119	128	160	200	213	292	381	367	397	452	502
Kuwait	27	31	33	28	32	38	44	53	130	155	186	211	172	200	264	255
Qatar	3	3	3	5	5	6	7	1	9	10	13	21	16	22	33	33
Saudi Arabia	80	76	82	89	91	95	107	117	136	151	174	196	196	241	313	306
Turkey	1,863	2,285	2,457	2,735	2,391	1,062	1,689	1,996	2,284	2,236	2,332	3,078	2,246	2,536	3,042	3,086
United Arab Emirates	14	14	16	18	41	42	45	50	56	62	74	88	70	75	89	96
Africa																
Cameroon	4	5	4	2	2	4	5	6	7	7	8	13	13	13	14	14
Egypt	452	551	614	609	722	903	729	555	552	677	828	1,070	1,110	1,312	1,482	1,556
Kenya	38	39	50	43	45	49	60	70	74	80	72	83	77	83	88	97
Morocco	113	129	127	170	167	192	232	241	375	330	421	483	428	417	473	458
Nigeria	753	768	196	134	151	163	183	225	265	306	324	406	301	360	441	551
Senegal	8	8	8	8	7	7	8	11	11	13	14	14	15	16	19	31
South Africa	893	888	806	837	731	780	1,150	1,484	1,650	1,456	1,514	1,398	1,402	1,529	1,552	1,497
Tunisia	118	126	136	133	149	144	176	192	200	212	255	312	298	334	352	321
Zimbabwe	10	7	6	6	5	4	5	5	2	9	3	4	5	5	8	8
Asia																
Bangladesh	145	184	156	166	163	185	208	224	233	247	281	346	423	428	492	510
China	25,129	25,777	29,691	37,685	42,816	50,990	69,047	87,003	112,367	142,900	167,291	207,166	205,517	259,613	321,961	364,938
India	3,112	3,362	3,841	3,285	3,601	4,095	4,640	5,340	6,490	7,494	9,753	10,567	11,514	13,031	14,629	14,226
Indonesia	3,730	968	1,586	2,447	1,600	2,480	3,043	3,043	2,972	3,502	5,118	5,440	5,278	6,464	7,381	7,639
Japan	160,749	141,761	165,201	185,145	135,917	123,443	146,053	164,005	158,573	153,003	150,256	153,771	138,715	146,964	143,415	129,327
Malaysia	8,809	6,732	8,478	8,964	7,487	7,735	8,902	9,945	8,036	8,502	10,221	10,136	8,657	10,977	10,467	9,762
Pakistan	550	545	531	482	418	489	627	782	922	757	839	868	736	869	1,085	1,177
Philippines	3,099	3,350	4,018	4,366	3,206	3,478	2,449	2,820	2,963	3,229	3,794	4,070	3,649	4,200	4,594	4,819
Singapore	13,729	8,673	9,610	13,141	9,630	11,273	11,745	15,829	17,378	20,157	16,333	15,644	15,749	19,692	22,358	20,752
South Korea	20,761	18,038	24,618	31,861	25,251	29,312	33,125	43,080	47,909	53,949	57,486	49,745	45,544	62,777	61,035	53,593
Sri Lanka	37	44	91	50	35	38	40	48	58	85	55	41	41	48	55	49
Taiwan	15,391	15,602	19,096	24,564	18,980	24,039	29,346	33,588	36,706	43,160	43,432	43,516	37,668	46,643	48,495	43,864
Thailand	3,159	1,665	1,660	1,972	1,814	3,299	3,836	4,291	4,724	4,854	5,614	5,791	4,925	6,202	5,458	4,054
Vietnam	130	152	210	244	238	288	354	466	537	618	741	946	1,049	1,353	1,786	1,638

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(Millions of current dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Australia/Oceania																
Australia	3,752	3,183	3,394	2,918	2,557	2,974	3,709	4,313	5,047	5,348	6,233	6,036	5,484	7,039	8,435	8,585
New Zealand	268	206	209	197	208	235	303	364	402	364	428	425	306	390	442	435

EU = European Union; HT = high technology.

NOTES: Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. HT manufacturing industries include aerospace, communications and semiconductors, computers and office machinery, pharmaceuticals, and scientific instruments and measuring equipment classified by Organisation for Economic Co-operation and Development. Data are not available for EU members Cyprus, Estonia, Latvia, Lithuania, Luxembourg, Malta, and Slovenia. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies. See appendix table 6-1 for a full list of countries/economies in each region.

SOURCE: IHS Global Insight, special tabulations (2013) of the World Industry Service database.

Science and Engineering Indicators 2014