

TABLE S6-12

Value added of machinery and equipment industry, by region, country, or economy: 2002–18

(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
World	444,114	496,391	571,794	619,563	677,542	781,393	885,233	743,551	861,251	1,013,599	1,032,153	1,039,668	1,064,266	995,070	1,015,964	1,086,016	1,195,210
North America	118,466	117,684	126,535	138,864	148,688	158,243	160,381	142,013	155,556	178,435	187,727	193,565	194,785	186,216	173,729	183,237	201,444
Canada	7,640	8,411	9,698	10,714	11,958	13,034	12,722	10,155	11,440	14,507	15,253	14,717	13,900	12,337	10,983	12,155	12,831
Mexico	4,282	4,084	4,649	5,212	5,870	6,096	6,528	4,591	6,950	8,019	8,585	8,792	8,619	8,330	7,991	9,088	9,568
United States	106,544	105,189	112,187	122,939	130,860	139,113	141,131	127,268	137,167	155,909	163,889	170,056	172,266	165,549	154,754	161,995	178,740
Central and South America	6,804	7,233	9,299	10,274	12,223	16,241	20,534	16,995	24,337	29,172	27,075	26,632	25,126	17,382	15,644	16,568	16,426
Argentina	246	278	347	413	470	586	726	723	880	1,028	1,105	1,070	768	559	355	186	145
Bolivia	4	3	3	3	4	5	6	6	7	8	9	9	10	10	10	10	11
Brazil	5,685	6,016	7,875	8,610	10,280	13,932	17,703	14,208	21,537	25,925	23,455	23,014	20,883	13,154	12,475	13,210	12,917
Chile	36	35	45	52	61	66	59	56	71	78	75	75	1,041	944	887	873	921
Colombia	185	185	246	309	364	495	547	471	579	606	630	672	630	480	549	558	584
Costa Rica	157	163	183	183	205	234	253	222	269	303	324	330	329	335	353	373	387
Ecuador	10	6	9	11	14	16	20	19	23	13	66	38	47	53	42	19	20
Honduras	31	32	30	38	55	60	64	49	73	86	99	104	101	102	108	115	122
Jamaica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
Peru	177	263	225	241	280	244	295	268	343	573	674	716	817	796	712	922	982
Uruguay	5	5	6	6	8	9	12	12	52	14	23	22	21	15	16	17	16
Venezuela	267	247	329	405	480	592	848	958	502	536	614	580	477	934	135	284	320
Europe	159,000	187,312	222,157	232,700	256,148	308,052	340,944	251,900	275,364	323,556	303,517	314,773	323,554	275,476	280,028	295,670	319,956
EU	145,439	170,998	201,521	208,711	228,177	271,636	297,547	223,194	242,211	283,155	264,661	275,453	286,596	248,115	252,406	264,950	288,697
Austria	4,197	5,118	6,047	6,434	7,163	8,688	9,806	8,042	8,164	10,198	9,614	10,217	10,260	8,610	8,616	9,193	10,127
Belgium	2,524	2,873	3,297	3,547	4,041	4,881	5,323	3,900	4,115	4,968	4,561	4,557	4,794	3,890	4,102	4,380	4,760
Bulgaria	111	162	253	296	331	479	502	296	372	439	421	463	538	472	506	652	722
Czechia	1,496	1,681	2,025	2,481	3,347	4,318	5,155	4,086	4,273	4,773	4,579	4,808	4,886	4,286	4,365	4,988	5,338
Denmark	4,258	4,229	4,907	4,648	5,797	7,203	7,872	6,362	5,926	7,091	6,416	7,512	6,846	6,686	7,345	7,122	7,875
Finland	2,695	3,211	3,773	4,067	4,791	5,950	6,906	5,520	5,667	6,383	5,881	5,716	5,789	5,148	5,105	5,572	6,250
France	11,430	13,701	15,515	15,492	16,272	18,711	20,041	15,673	14,894	17,172	15,999	15,924	16,482	13,883	14,821	15,081	15,864
Germany	59,112	71,520	83,372	85,562	93,273	112,393	124,705	91,876	102,108	120,434	113,532	118,586	124,334	106,353	108,315	112,836	122,236
Greece	375	490	576	669	707	767	1,038	850	683	677	638	664	619	537	558	605	658
Hungary	637	755	915	1,064	1,135	1,426	1,676	2,901	3,058	3,487	3,562	3,369	3,523	3,408	2,261	2,606	2,483
Ireland	933	1,142	1,485	1,583	1,629	2,081	2,048	1,336	889	1,226	1,255	1,369	1,416	3,431	3,332	2,859	2,974
Italy	24,043	29,871	34,685	35,629	38,968	45,875	49,545	38,645	40,174	44,713	41,314	43,738	45,642	38,842	40,253	41,922	46,268
Netherlands	4,507	5,675	7,180	7,299	8,393	9,971	10,631	8,417	10,379	12,241	10,143	10,828	11,851	9,783	9,896	11,194	12,716
Poland	1,544	1,768	2,104	2,673	3,122	4,271	5,260	4,684	4,326	4,529	4,192	4,040	4,445	3,874	4,193	4,928	5,644
Portugal	621	726	783	781	843	1,032	1,151	1,008	943	909	901	980	1,096	924	943	994	1,047

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Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Romania	428	464	559	593	724	1,006	1,300	857	790	1,519	968	1,185	1,150	910	967	1,053	1,342
Slovakia	324	455	597	676	779	1,029	1,325	817	1,140	1,274	1,208	1,348	1,618	1,184	1,449	1,552	1,775
Spain	6,156	7,527	8,923	9,278	10,033	11,528	13,210	11,278	10,460	11,581	11,297	11,927	12,837	11,594	12,115	13,141	14,490
Sweden	5,576	6,685	7,281	7,829	8,855	10,596	10,511	6,217	9,540	11,918	10,716	10,244	9,420	8,474	8,630	9,144	9,944
United Kingdom	14,472	12,944	17,243	18,109	17,975	19,431	19,542	10,428	14,313	17,624	17,464	17,978	19,049	15,826	14,635	15,128	16,184
Other Europe	13,561	16,314	20,636	23,990	27,971	36,416	43,397	28,705	33,153	40,400	38,856	39,320	36,959	27,361	27,622	30,720	31,258
Norway	1,258	1,367	1,438	1,625	2,192	2,948	4,045	3,874	3,632	4,202	4,326	4,335	4,478	3,198	2,579	2,798	2,966
Russia	4,050	5,357	8,078	10,126	12,577	18,421	22,151	10,729	12,832	15,864	15,695	15,179	12,799	6,405	7,014	8,031	8,065
Switzerland	7,115	7,932	8,622	8,740	9,363	10,354	11,712	10,114	11,459	13,713	11,905	12,253	12,441	11,642	11,735	11,873	12,525
Turkey	931	1,378	2,078	2,934	3,168	3,823	4,327	2,715	3,438	4,424	4,539	5,361	5,272	5,091	4,964	6,143	5,506
Ukraine	206	279	421	565	670	871	1,162	1,273	1,791	2,198	2,390	2,192	1,969	1,026	1,329	1,876	2,196
Middle East	2,188	2,305	2,563	2,899	3,326	4,269	4,975	4,835	5,090	5,156	4,615	4,766	5,443	5,255	6,016	6,520	6,542
Bahrain	14	15	16	22	29	38	48	38	44	51	54	57	59	49	58	61	67
Iran	463	531	620	738	851	1,173	1,158	1,235	1,392	1,315	1,049	740	889	743	880	1,008	736
Israel	846	804	785	767	853	1,036	1,386	1,375	1,380	1,495	1,093	1,288	1,691	1,688	1,756	1,953	2,019
Jordan	36	48	61	62	80	112	119	85	65	46	49	55	71	103	101	113	104
Kuwait	221	236	302	387	366	459	609	439	492	329	273	277	258	192	298	335	405
Qatar	*	*	1	*	1	3	3	203	11	16	19	20	21	25	24	26	30
Saudi Arabia	365	398	461	530	615	844	949	939	1,132	1,251	1,384	1,570	1,725	1,671	1,770	1,799	1,918
United Arab Emirates	243	272	317	393	530	604	705	520	574	653	694	760	730	785	1,129	1,226	1,264
Africa	2,113	2,670	3,244	3,661	4,112	4,632	4,958	4,600	5,354	6,255	6,705	7,532	8,148	7,262	7,486	7,594	8,204
Cameroon	1	1	2	2	2	2	4	4	4	5	5	5	6	5	5	6	7
Egypt	81	67	88	102	112	139	176	194	215	270	228	294	414	488	614	670	697
Kenya	10	12	16	19	79	72	70	63	40	31	21	25	4	4	4	4	4
Morocco	382	458	489	536	548	628	735	673	741	689	701	786	852	634	701	804	829
Nigeria	546	602	725	957	1,286	1,505	1,879	1,764	2,216	3,098	3,498	4,393	5,060	4,404	4,444	4,259	4,755
Senegal	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1
South Africa	1,038	1,464	1,850	1,963	1,993	2,180	1,966	1,773	2,004	2,011	2,111	1,905	1,682	1,605	1,585	1,698	1,757
Tunisia	53	65	74	81	91	105	127	129	133	150	141	122	129	121	133	152	154
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia	153,022	176,087	204,041	226,902	248,737	284,673	348,333	318,225	389,164	463,487	495,146	485,621	500,289	498,660	528,445	571,216	637,445
Bangladesh	21	23	24	26	31	32	37	46	52	53	55	62	76	93	139	214	243
China	33,508	40,961	46,785	59,628	75,223	100,152	144,712	150,567	186,383	231,064	254,555	280,106	292,879	298,519	306,759	347,922	397,691
India	3,329	3,873	5,267	6,118	6,952	8,888	9,732	9,142	10,981	13,130	12,416	9,380	10,824	11,052	11,449	12,250	12,646
Indonesia	427	418	295	648	841	953	992	1,010	1,253	1,919	2,089	2,270	2,286	2,248	2,441	2,614	2,834
Japan	97,725	110,423	128,434	132,930	134,069	139,278	158,249	126,817	150,440	171,358	178,371	143,418	139,529	133,954	155,053	147,567	161,157

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(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Malaysia	837	837	1,004	984	1,324	1,331	1,490	1,239	1,530	1,651	1,772	1,818	1,864	2,068	2,078	2,321	2,637
Pakistan	50	67	95	113	186	213	242	200	237	298	306	308	329	327	327	354	332
Philippines	209	270	279	175	139	166	186	227	212	253	278	293	215	224	274	273	292
Singapore	1,508	1,601	1,958	2,209	2,535	3,124	3,679	3,603	4,472	5,611	5,353	5,831	6,806	5,257	4,757	5,333	5,808
South Korea	11,337	13,082	14,857	18,507	21,036	23,526	21,675	19,163	25,060	28,650	29,414	31,443	33,752	33,521	33,353	39,637	40,396
Sri Lanka	21	23	25	29	18	35	46	50	57	58	52	55	56	62	70	79	80
Taiwan	3,495	3,847	4,206	4,683	5,356	5,639	5,714	4,613	6,079	7,025	7,635	7,465	8,444	8,284	8,137	9,153	9,468
Thailand	476	564	694	727	843	1,080	1,251	1,191	1,938	2,003	2,365	2,611	2,494	2,328	2,786	2,563	2,860
Vietnam	78	98	119	124	181	256	328	356	469	413	484	562	735	724	824	934	1,000
Oceania	2,522	3,101	3,955	4,262	4,308	5,282	5,106	4,984	6,385	7,538	7,366	6,779	6,921	4,821	4,616	5,210	5,194
Australia	1,952	2,337	3,037	3,246	3,413	4,167	3,945	3,957	5,130	6,132	5,862	5,285	5,223	3,302	3,181	3,531	3,387
New Zealand	571	764	918	1,016	895	1,116	1,162	1,026	1,255	1,406	1,505	1,494	1,698	1,518	1,435	1,680	1,807

EU = European Union.

* = amount < \$500,000.

Note(s):

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. Detail may not add to total because of rounding or minor discrepancies. World total does not include all countries and economies due to limitations in data availability. See Table S6-1 for a full list of countries and economies in each region.

Source(s):

IHS Markit, special tabulations (2019) of Comparative Industry Service.