

Table SKTI-12

## Value added of machinery and equipment industry, by region, country, or economy: 2002–19

(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	2019
World	438,483	493,868	566,517	611,993	669,699	773,527	874,436	732,876	850,751	1,000,589	1,019,595	1,026,886	1,051,297	978,246	986,386	1,071,354	1,168,837	1,163,389
North America	111,254	110,503	119,371	131,100	140,542	149,476	152,155	133,904	146,142	167,833	176,463	181,437	183,533	172,472	162,513	174,504	183,806	189,701
Canada	7,632	8,391	9,699	10,739	11,986	13,035	12,722	10,155	11,440	14,507	15,253	14,717	13,899	11,613	10,720	12,145	13,190	13,183
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	8,351	8,023	8,947	9,242	9,537
United States	99,340	98,027	105,023	115,150	122,686	130,345	132,905	119,158	127,752	145,307	152,625	157,927	161,014	152,509	143,771	153,411	161,374	166,982
Central and South America	7,076	7,540	9,670	10,717	12,773	16,813	21,144	17,680	25,179	30,237	28,333	28,081	25,252	17,243	15,760	17,301	16,350	15,529
Argentina	246	278	347	413	470	586	726	723	880	1,028	1,106	1,069	768	551	345	181	177	162
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	12,415	13,965	12,614	12,207
Chile	309	343	418	497	613	640	671	743	915	1,145	1,335	1,527	1,167	1,065	1,109	1,137	1,527	1,425
Colombia	184	184	245	307	362	493	544	469	577	606	630	672	649	477	471	379	385	364
Peru	177	263	225	241	280	244	295	268	343	573	674	716	817	816	801	834	733	641
Other Central and South America	475	457	561	648	768	918	1,205	1,269	928	962	1,134	1,082	968	1,180	619	805	914	731
Europe	160,741	192,096	224,244	233,153	256,863	309,223	338,849	251,180	275,378	322,550	304,823	316,820	325,455	275,720	273,912	291,827	319,704	304,136
EU	129,701	156,140	181,826	187,614	206,996	248,301	273,864	209,225	223,848	261,064	242,971	252,816	262,886	225,868	228,873	245,634	270,819	256,942
France	11,370	13,626	15,437	15,434	16,231	18,665	20,053	15,753	14,931	17,215	16,111	16,058	16,566	13,503	13,091	12,808	13,820	13,176
Germany	58,328	70,504	82,263	84,181	91,901	110,715	122,913	90,526	100,372	118,306	111,598	116,588	122,054	104,313	106,957	115,919	129,240	120,827
Italy	23,882	29,588	34,325	35,264	38,693	45,622	49,375	38,099	39,590	44,371	41,146	43,583	45,513	38,638	40,055	42,636	46,094	42,936
Spain	5,878	7,008	8,099	8,214	8,640	9,686	10,883	9,104	8,233	8,854	8,410	8,687	9,136	7,251	7,120	7,806	8,442	8,158
Other EU	30,243	35,413	41,701	44,522	51,532	63,613	70,641	55,742	60,722	72,318	65,706	67,899	69,618	62,163	61,649	66,465	73,222	71,845
Non-EU	31,040	35,956	42,418	45,539	49,867	60,922	64,985	41,955	51,530	61,486	61,852	64,005	62,568	49,852	45,040	46,194	48,885	47,194
United Kingdom	17,093	19,193	21,304	20,880	21,187	23,695	20,812	12,746	17,956	20,621	22,013	24,045	25,023	23,161	19,017	19,393	20,908	19,243
Russia	4,050	5,357	8,078	10,126	12,577	18,421	22,151	10,729	12,832	15,864	16,300	15,376	12,965	4,867	5,495	5,904	6,217	6,498
Switzerland	7,417	8,266	8,929	9,135	9,770	10,790	12,065	10,404	11,797	14,150	12,316	12,736	13,262	12,356	12,087	12,156	12,729	12,187
Other non-EU	2,479	3,140	4,106	5,398	6,332	8,017	9,957	8,076	8,944	10,851	11,224	11,848	11,319	9,468	8,440	8,740	9,031	9,266
Middle East	2,284	2,538	2,784	3,259	3,792	4,835	5,588	5,290	5,700	6,807	5,428	5,777	6,718	6,330	6,352	6,999	6,453	6,455
Iran	579	687	797	955	1,122	1,516	1,524	1,608	1,802	2,645	1,401	1,204	1,580	1,521	1,366	1,559	1,351	1,289
Israel	719	762	689	737	817	987	1,301	1,229	1,327	1,462	1,121	1,348	1,784	1,479	1,691	1,907	1,940	1,984
Saudi Arabia	365	398	461	530	615	844	949	939	1,132	1,251	1,384	1,570	1,725	1,671	1,515	1,575	1,743	1,556
United Arab Emirates	338	378	441	546	737	841	981	724	799	950	1,065	1,158	1,105	1,135	1,219	1,209	579	774
Other Middle East	283	313	395	490	500	647	833	790	640	500	457	497	524	524	561	749	839	853
Africa	1,578	2,081	2,535	2,722	2,847	3,152	3,106	2,859	3,164	3,203	3,250	3,155	3,103	2,741	2,997	3,315	3,446	3,781
Egypt	81	67	88	102	112	139	176	194	215	270	228	294	414	355	521	611	595	854
Nigeria	4	4	5	6	7	8	10	9	10	18	18	20	22	18	15	13	18	32
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	1,743	1,802
Other Africa	455	546	593	652	735	825	954	884	935	903	893	936	986	762	876	992	1,089	1,093
Asia	152,914	175,941	203,935	226,725	248,654	284,663	347,890	317,002	388,899	462,560	494,297	484,917	500,545	499,201	520,004	572,188	633,673	638,864

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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	2019
China	33,564	41,002	46,834	59,684	75,317	100,212	144,758	150,615	186,474	231,110	254,584	280,127	292,900	297,394	304,797	344,290	391,636	401,285
India	3,329	3,873	5,267	6,118	6,952	8,888	9,732	9,142	10,981	13,128	12,414	9,379	10,824	11,259	11,609	12,769	14,393	14,100
Indonesia	427	418	295	648	841	953	992	1,010	1,253	1,920	2,089	2,268	2,832	3,615	3,925	4,239	4,525	4,442
Japan	97,725	110,423	128,434	132,930	134,069	139,278	158,249	126,817	150,440	171,358	178,371	143,417	139,529	134,235	147,725	150,158	157,917	158,186
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	2,026	1,984	2,152	2,314
Philippines	209	270	279	175	139	166	186	227	212	253	278	293	209	206	266	273	298	279
Singapore	1,509	1,603	1,959	2,210	2,536	3,125	3,680	3,604	4,473	5,612	5,353	5,831	6,805	5,256	4,756	5,332	7,363	5,632
South Korea	11,253	12,988	14,817	18,410	20,999	23,549	21,297	17,968	24,794	27,766	28,642	30,804	33,181	32,747	32,339	39,309	40,211	37,447
Taiwan	3,414	3,751	4,090	4,546	5,215	5,546	5,602	4,536	5,989	6,937	7,646	7,517	8,508	8,351	8,255	9,434	10,291	9,746
Thailand	476	564	694	727	843	1,080	1,251	1,191	1,938	2,003	2,258	2,483	2,708	2,930	3,131	3,015	3,349	3,754
Vietnam	78	98	119	124	181	256	328	356	469	413	484	562	735	724	717	831	956	1,073
Other Asia	92	113	144	169	236	279	325	296	346	409	406	416	451	417	458	555	580	606
Oceania	2,636	3,169	3,979	4,316	4,228	5,364	5,705	4,964	6,289	7,398	7,000	6,698	6,691	4,538	4,848	5,220	5,406	4,924
Australia	2,134	2,523	3,201	3,464	3,501	4,239	4,612	4,105	5,202	6,118	5,711	5,296	5,240	3,296	3,567	3,888	3,988	3,579
New Zealand	502	646	778	852	728	1,125	1,093	859	1,087	1,281	1,289	1,402	1,451	1,242	1,281	1,332	1,418	1,345

EU = European Union.

**Note(s):**

*Value added* is the amount contributed by a country, an industry, 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. The world total and regional totals do not include all countries and economies due to limitations in data availability. See Table SKTI-4 for a full list of countries and economies in each region for which data are available. China includes Hong Kong. The EU total excludes the United Kingdom (UK) to reflect the new EU country composition following the UK's withdrawal on 1 February 2020. In order to maintain consistency over time, the EU aggregate excludes the UK for the entire time series.

**Source(s):**

U.S. Bureau of Economic Analysis, Value Added by Industry, accessed 5 October 2021; IHS Markit, special tabulations (2021) of the Comparative Industry Service.

*Science and Engineering Indicators*