## Exports, Imports, and Balance of Advanced Technology Products by Technology Group and Selected Countries and Areas: 2013

In millions of dollars. Not seasonally adjusted. Details may not equal totals due to rounding.

| Technology Group | January | | | February | | | March | | | April | | | May | | | June | | | July | | | August | | | September | | | October | | | November | | | December | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports |
| **Total** | **-7,281** | **24,001** | **31,281** | **-5,250** | **22,652** | **27,903** | **-3,609** | **27,978** | **31,587** | **-7,830** | **24,692** | **32,522** | **-6,992** | **27,137** | **34,128** | **-3,732** | **29,195** | **32,927** | **-7,696** | **26,735** | **34,432** | **-5,757** | **26,735** | **32,491** | **-8,322** | **26,753** | **35,075** | **-9,628** | **27,701** | **37,328** | **-9,322** | **27,944** | **37,266** | **-5,955** | **28,243** | **34,198** |
| Advanced Materials | 7 | 163 | 156 | 34 | 187 | 152 | 24 | 193 | 169 | -33 | 182 | 214 | -11 | 184 | 194 | 20 | 189 | 170 | -18 | 178 | 196 | -2 | 175 | 177 | -25 | 155 | 181 | -13 | 172 | 185 | -58 | 152 | 210 | -34 | 148 | 182 |
| Aerospace | 5,074 | 8,180 | 3,106 | 4,182 | 7,482 | 3,300 | 5,709 | 9,622 | 3,913 | 5,054 | 8,720 | 3,666 | 6,794 | 10,208 | 3,415 | 7,200 | 10,941 | 3,741 | 5,678 | 9,511 | 3,832 | 6,876 | 10,368 | 3,492 | 5,988 | 9,877 | 3,889 | 5,304 | 9,534 | 4,230 | 6,688 | 10,429 | 3,740 | 5,597 | 10,351 | 4,754 |
| Biotechnology | -128 | 749 | 877 | 49 | 652 | 603 | 377 | 1,139 | 761 | -23 | 878 | 901 | 64 | 1,028 | 964 | 16 | 904 | 888 | 207 | 1,346 | 1,139 | 40 | 793 | 753 | 23 | 1,149 | 1,126 | -277 | 965 | 1,242 | -176 | 907 | 1,083 | -91 | 710 | 801 |
| Electronics | 477 | 3,326 | 2,849 | 283 | 2,950 | 2,667 | 509 | 3,482 | 2,972 | 399 | 3,364 | 2,965 | 468 | 3,568 | 3,100 | 605 | 3,559 | 2,954 | 525 | 3,675 | 3,150 | 560 | 3,611 | 3,051 | 392 | 3,584 | 3,192 | 661 | 3,901 | 3,239 | 498 | 3,438 | 2,940 | 488 | 3,359 | 2,871 |
| Flexible Manufacturing | -143 | 990 | 1,132 | 24 | 907 | 883 | 238 | 1,252 | 1,014 | 144 | 1,194 | 1,049 | 463 | 1,365 | 903 | 492 | 1,524 | 1,032 | 186 | 1,257 | 1,071 | 74 | 1,085 | 1,011 | 49 | 1,015 | 966 | 194 | 1,195 | 1,001 | 133 | 1,168 | 1,036 | 506 | 1,555 | 1,049 |
| Information and Communications | -9,954 | 7,510 | 17,465 | -8,628 | 6,621 | 15,249 | -8,839 | 7,915 | 16,753 | -10,428 | 7,276 | 17,704 | -12,692 | 7,226 | 19,918 | -10,853 | 8,110 | 18,963 | -11,316 | 7,590 | 18,906 | -10,595 | 7,381 | 17,976 | -11,815 | 7,552 | 19,367 | -11,815 | 8,495 | 20,310 | -13,687 | 8,154 | 21,841 | -10,719 | 8,712 | 19,431 |
| Life Science | -1,392 | 2,433 | 3,825 | -1,003 | 2,397 | 3,400 | -882 | 3,014 | 3,896 | -1,495 | 2,481 | 3,977 | -672 | 2,791 | 3,463 | -11 | 3,039 | 3,050 | -1,373 | 2,457 | 3,830 | -926 | 2,665 | 3,590 | -1,106 | 2,629 | 3,735 | -1,285 | 2,749 | 4,034 | -861 | 2,789 | 3,650 | -262 | 2,765 | 3,027 |
| Nuclear Technology | -129 | 88 | 217 | 125 | 325 | 200 | -200 | 62 | 262 | -11 | 136 | 148 | -1 | 239 | 240 | -212 | 122 | 334 | -191 | 161 | 352 | -284 | 82 | 366 | -259 | 83 | 343 | -324 | 56 | 380 | -146 | 256 | 403 | -133 | 65 | 198 |
| Opto-Electronics | -1,212 | 379 | 1,591 | -971 | 397 | 1,368 | -1,282 | 500 | 1,781 | -1,483 | 341 | 1,823 | -1,458 | 390 | 1,848 | -1,195 | 514 | 1,709 | -1,433 | 434 | 1,866 | -1,549 | 429 | 1,978 | -1,755 | 446 | 2,201 | -2,243 | 386 | 2,629 | -1,880 | 420 | 2,300 | -1,339 | 480 | 1,819 |
| Weapons | 118 | 183 | 65 | 655 | 735 | 80 | 735 | 801 | 65 | 46 | 121 | 74 | 54 | 137 | 83 | 207 | 293 | 86 | 38 | 127 | 89 | 49 | 146 | 98 | 187 | 263 | 75 | 171 | 248 | 77 | 165 | 231 | 65 | 31 | 98 | 67 |

| Selected Countries and Areas | January | | | February | | | March | | | April | | | May | | | June | | | July | | | August | | | September | | | October | | | November | | | December | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports |
| **Total** | **-7,281** | **24,001** | **31,281** | **-5,250** | **22,652** | **27,903** | **-3,609** | **27,978** | **31,587** | **-7,830** | **24,692** | **32,522** | **-6,992** | **27,137** | **34,128** | **-3,732** | **29,195** | **32,927** | **-7,696** | **26,735** | **34,432** | **-5,757** | **26,735** | **32,491** | **-8,322** | **26,753** | **35,075** | **-9,628** | **27,701** | **37,328** | **-9,322** | **27,944** | **37,266** | **-5,955** | **28,243** | **34,198** |
| North America | 327 | 4,960 | 4,633 | 530 | 4,842 | 4,312 | 69 | 5,411 | 5,342 | 289 | 5,508 | 5,219 | 1 | 5,429 | 5,428 | 257 | 5,665 | 5,408 | 258 | 5,533 | 5,275 | 245 | 5,391 | 5,146 | -423 | 5,168 | 5,591 | 564 | 6,170 | 5,607 | 605 | 5,741 | 5,135 | 617 | 5,682 | 5,065 |
| Canada | 1,178 | 2,263 | 1,085 | 1,115 | 2,091 | 976 | 1,457 | 2,822 | 1,365 | 1,207 | 2,336 | 1,129 | 1,171 | 2,221 | 1,050 | 1,205 | 2,529 | 1,324 | 1,221 | 2,236 | 1,015 | 1,417 | 2,548 | 1,130 | 1,111 | 2,512 | 1,401 | 1,490 | 2,584 | 1,094 | 1,777 | 2,874 | 1,097 | 1,228 | 2,880 | 1,652 |
| Mexico | -851 | 2,698 | 3,548 | -585 | 2,751 | 3,336 | -1,388 | 2,589 | 3,977 | -918 | 3,172 | 4,090 | -1,170 | 3,208 | 4,378 | -948 | 3,136 | 4,084 | -963 | 3,297 | 4,260 | -1,172 | 2,844 | 4,015 | -1,534 | 2,656 | 4,191 | -926 | 3,586 | 4,512 | -1,172 | 2,866 | 4,038 | -611 | 2,802 | 3,413 |
| European Union | -769 | 5,005 | 5,774 | -782 | 4,861 | 5,642 | -15 | 6,328 | 6,343 | -872 | 5,581 | 6,453 | 593 | 6,495 | 5,902 | 813 | 6,447 | 5,634 | -890 | 6,037 | 6,927 | -217 | 5,639 | 5,857 | -295 | 5,984 | 6,279 | -2,064 | 5,316 | 7,381 | -260 | 6,052 | 6,312 | -245 | 5,655 | 5,899 |
| France | 18 | 871 | 853 | -4 | 892 | 895 | -52 | 959 | 1,011 | -24 | 1,160 | 1,184 | -119 | 1,018 | 1,138 | -71 | 977 | 1,048 | -198 | 1,039 | 1,238 | -65 | 909 | 975 | -92 | 925 | 1,017 | -443 | 813 | 1,256 | 3 | 970 | 967 | -267 | 925 | 1,193 |
| Germany | 18 | 970 | 952 | -261 | 908 | 1,169 | 29 | 1,329 | 1,309 | -71 | 964 | 1,035 | -78 | 1,058 | 1,136 | 52 | 1,172 | 1,120 | -336 | 978 | 1,314 | -55 | 1,123 | 1,178 | -390 | 977 | 1,367 | -453 | 1,003 | 1,457 | -61 | 1,397 | 1,458 | -406 | 1,020 | 1,426 |
| Ireland | -1,514 | 116 | 1,631 | -1,371 | 112 | 1,483 | -1,564 | 109 | 1,673 | -1,651 | 114 | 1,765 | -1,225 | 147 | 1,372 | -1,043 | 128 | 1,171 | -1,562 | 150 | 1,712 | -1,341 | 152 | 1,492 | -1,580 | 134 | 1,714 | -1,831 | 168 | 1,999 | -1,344 | 149 | 1,492 | -755 | 201 | 956 |
| Italy | -122 | 283 | 405 | -12 | 270 | 282 | -46 | 333 | 380 | -132 | 214 | 347 | 143 | 523 | 379 | 119 | 472 | 353 | -131 | 330 | 462 | 105 | 361 | 255 | 120 | 410 | 290 | -121 | 276 | 397 | 2 | 293 | 292 | 72 | 385 | 313 |
| United Kingdom | 183 | 841 | 658 | 257 | 960 | 703 | 343 | 1,132 | 790 | 222 | 967 | 745 | 544 | 1,279 | 734 | 718 | 1,414 | 697 | 280 | 1,125 | 844 | 579 | 1,289 | 710 | 678 | 1,363 | 685 | 262 | 1,093 | 831 | 537 | 1,220 | 683 | 232 | 938 | 706 |
| Other EU | 648 | 1,923 | 1,275 | 609 | 1,719 | 1,111 | 1,285 | 2,466 | 1,181 | 784 | 2,161 | 1,377 | 1,328 | 2,470 | 1,143 | 1,038 | 2,284 | 1,246 | 1,058 | 2,415 | 1,357 | 560 | 1,806 | 1,246 | 968 | 2,174 | 1,206 | 522 | 1,963 | 1,442 | 603 | 2,023 | 1,420 | 880 | 2,186 | 1,306 |
| Pacific Rim Countries | -11,133 | 7,163 | 18,296 | -7,928 | 7,626 | 15,553 | -7,861 | 9,160 | 17,022 | -10,207 | 7,887 | 18,093 | -10,893 | 8,890 | 19,782 | -8,669 | 10,208 | 18,877 | -10,193 | 8,986 | 19,179 | -9,251 | 9,347 | 18,599 | -10,380 | 9,442 | 19,821 | -11,324 | 9,439 | 20,763 | -12,630 | 9,657 | 22,287 | -9,764 | 10,370 | 20,134 |
| Australia | 290 | 370 | 80 | 192 | 264 | 72 | 312 | 401 | 89 | 284 | 407 | 123 | 301 | 396 | 95 | 458 | 575 | 117 | 251 | 382 | 131 | 262 | 392 | 130 | 263 | 360 | 97 | 395 | 482 | 87 | 240 | 344 | 104 | 385 | 483 | 98 |
| China | -10,090 | 1,705 | 11,795 | -7,963 | 1,601 | 9,565 | -7,693 | 2,346 | 10,038 | -8,823 | 2,126 | 10,949 | -10,476 | 2,115 | 12,591 | -9,171 | 2,845 | 12,016 | -9,203 | 2,730 | 11,933 | -8,813 | 2,783 | 11,596 | -9,844 | 2,704 | 12,548 | -11,025 | 2,598 | 13,623 | -13,266 | 2,340 | 15,606 | -10,518 | 3,157 | 13,675 |
| Indonesia | 68 | 124 | 56 | 8 | 75 | 67 | -39 | 35 | 74 | 61 | 136 | 74 | 147 | 220 | 73 | 274 | 341 | 66 | 246 | 309 | 63 | 119 | 182 | 64 | 69 | 131 | 62 | 344 | 434 | 90 | 97 | 164 | 66 | 147 | 197 | 49 |
| Japan | -475 | 1,358 | 1,833 | -654 | 1,231 | 1,884 | -709 | 1,409 | 2,118 | -848 | 1,161 | 2,009 | -49 | 1,696 | 1,744 | -97 | 1,780 | 1,877 | -423 | 1,504 | 1,927 | -490 | 1,571 | 2,062 | -556 | 1,567 | 2,123 | -627 | 1,363 | 1,990 | -52 | 1,883 | 1,935 | -735 | 1,146 | 1,881 |
| Malaysia | -703 | 486 | 1,189 | -546 | 469 | 1,015 | -605 | 734 | 1,339 | -703 | 568 | 1,271 | -952 | 554 | 1,505 | -608 | 690 | 1,298 | -876 | 580 | 1,456 | -790 | 589 | 1,379 | -646 | 772 | 1,418 | -813 | 659 | 1,471 | -666 | 566 | 1,231 | -909 | 519 | 1,428 |
| Philippines | 18 | 265 | 247 | 21 | 273 | 252 | 18 | 294 | 276 | 95 | 372 | 278 | -15 | 255 | 270 | -20 | 243 | 263 | -31 | 284 | 315 | -10 | 278 | 288 | -59 | 234 | 293 | -23 | 268 | 291 | 108 | 407 | 299 | -53 | 228 | 282 |
| Newly Industrialized Countries (NICS) | -288 | 2,794 | 3,081 | 968 | 3,654 | 2,686 | 782 | 3,852 | 3,070 | -345 | 3,028 | 3,373 | 72 | 3,561 | 3,489 | 383 | 3,608 | 3,225 | -218 | 3,121 | 3,339 | 403 | 3,467 | 3,064 | 332 | 3,602 | 3,270 | 184 | 3,377 | 3,193 | 627 | 3,656 | 3,029 | 1,862 | 4,563 | 2,701 |
| Hong Kong | 650 | 698 | 48 | 618 | 650 | 33 | 1,048 | 1,082 | 34 | 678 | 733 | 55 | 952 | 1,002 | 50 | 852 | 903 | 51 | 664 | 705 | 41 | 1,158 | 1,192 | 34 | 1,025 | 1,061 | 36 | 826 | 863 | 37 | 959 | 1,001 | 42 | 1,624 | 1,669 | 45 |
| Korea | -514 | 770 | 1,284 | -154 | 1,064 | 1,218 | -110 | 1,201 | 1,311 | -704 | 770 | 1,475 | -646 | 899 | 1,545 | -284 | 1,083 | 1,366 | -461 | 1,045 | 1,506 | -378 | 862 | 1,240 | -635 | 755 | 1,390 | -436 | 904 | 1,341 | -168 | 1,072 | 1,240 | 83 | 1,136 | 1,054 |
| Singapore | 9 | 668 | 659 | 178 | 662 | 484 | 122 | 762 | 641 | 190 | 743 | 553 | 134 | 697 | 563 | 291 | 844 | 553 | 214 | 797 | 582 | 306 | 847 | 541 | 586 | 1,134 | 548 | 280 | 789 | 509 | 281 | 767 | 485 | 345 | 801 | 455 |
| Taiwan | -432 | 658 | 1,090 | 326 | 1,277 | 951 | -278 | 806 | 1,084 | -509 | 781 | 1,290 | -368 | 963 | 1,332 | -477 | 779 | 1,255 | -636 | 575 | 1,210 | -683 | 566 | 1,249 | -644 | 652 | 1,295 | -487 | 821 | 1,307 | -445 | 817 | 1,262 | -189 | 958 | 1,147 |
| Other Pacific Rim | 46 | 61 | 15 | 46 | 58 | 11 | 74 | 90 | 17 | 73 | 90 | 16 | 79 | 94 | 15 | 112 | 127 | 15 | 60 | 75 | 16 | 68 | 84 | 16 | 61 | 73 | 12 | 241 | 259 | 17 | 280 | 296 | 16 | 57 | 76 | 19 |
| South/Central America | 2,079 | 2,707 | 628 | 1,351 | 2,126 | 775 | 1,803 | 2,576 | 772 | 1,437 | 2,280 | 843 | 1,190 | 2,239 | 1,049 | 1,597 | 2,505 | 908 | 1,727 | 2,579 | 853 | 1,725 | 2,684 | 959 | 1,601 | 2,717 | 1,116 | 1,597 | 2,630 | 1,032 | 1,439 | 2,352 | 913 | 1,601 | 2,582 | 981 |
| Brazil | 890 | 909 | 18 | 760 | 834 | 74 | 1,071 | 1,143 | 72 | 810 | 906 | 96 | 705 | 890 | 185 | 890 | 1,018 | 128 | 948 | 1,050 | 102 | 971 | 1,121 | 150 | 811 | 983 | 172 | 719 | 935 | 216 | 674 | 851 | 178 | 724 | 958 | 234 |
| Other S/C America | 1,189 | 1,798 | 610 | 591 | 1,292 | 701 | 732 | 1,432 | 700 | 628 | 1,374 | 746 | 486 | 1,349 | 863 | 707 | 1,487 | 780 | 778 | 1,529 | 751 | 755 | 1,563 | 808 | 790 | 1,734 | 944 | 878 | 1,695 | 816 | 766 | 1,501 | 735 | 877 | 1,625 | 747 |
| Other Countries | 2,216 | 4,166 | 1,950 | 1,578 | 3,198 | 1,620 | 2,395 | 4,503 | 2,108 | 1,522 | 3,437 | 1,915 | 2,116 | 4,083 | 1,967 | 2,270 | 4,371 | 2,100 | 1,402 | 3,600 | 2,197 | 1,741 | 3,673 | 1,932 | 1,174 | 3,442 | 2,268 | 1,599 | 4,145 | 2,546 | 1,524 | 4,143 | 2,618 | 1,835 | 3,954 | 2,119 |
| India | 168 | 285 | 117 | 120 | 250 | 130 | 104 | 240 | 136 | 129 | 277 | 148 | 364 | 476 | 112 | 472 | 618 | 146 | 291 | 456 | 165 | 424 | 565 | 141 | 68 | 206 | 137 | 271 | 424 | 153 | 586 | 703 | 117 | 219 | 353 | 134 |
| Israel | -11 | 294 | 305 | -44 | 208 | 253 | -73 | 215 | 288 | -8 | 218 | 226 | -24 | 220 | 244 | 17 | 280 | 263 | 60 | 297 | 237 | -19 | 220 | 239 | -34 | 194 | 228 | 47 | 312 | 265 | 88 | 304 | 216 | -26 | 259 | 285 |
| Thailand | -449 | 260 | 710 | -484 | 243 | 726 | -456 | 376 | 832 | -388 | 374 | 762 | -657 | 222 | 879 | -465 | 376 | 841 | -413 | 377 | 790 | -463 | 395 | 859 | -691 | 242 | 934 | -471 | 478 | 949 | -630 | 249 | 879 | -590 | 228 | 818 |
| Other | 2,508 | 3,327 | 819 | 1,985 | 2,497 | 512 | 2,820 | 3,672 | 852 | 1,790 | 2,568 | 778 | 2,433 | 3,165 | 732 | 2,245 | 3,096 | 850 | 1,464 | 2,469 | 1,005 | 1,799 | 2,492 | 693 | 1,831 | 2,800 | 968 | 1,752 | 2,931 | 1,179 | 1,480 | 2,887 | 1,407 | 2,232 | 3,112 | 881 |