

Table SAKTI-2

2012 NAICS to ISIC, Rev.4, concordance for U.S. value added, by industry data

(List of industries)

R&D intensity category	Value added, by industry	Related 2012 NAICS		ISIC, Rev.4	
	Industry title	Industry code	Industry title	Industry code	Industry title
High R&D intensity	Pharmaceutical and medicine manufacturing	3254	Pharmaceutical and medicine manufacturing	21	Manufacture of pharmaceuticals, medicinal chemical, and botanical products
	Computer and electronic products	334	Computer and electronic product manufacturing	26	Manufacture of computer, electronic, and optical products
	Optical instrument and lens manufacturing ^a	333314	Optical instrument and lens manufacturing		
	Aerospace product and parts manufacturing	3364	Aerospace product and parts manufacturing	303	Manufacture of air and spacecraft and related machinery
	Software publishers	5112	Software publishers	582	Software publishing
	Scientific research and development services	5417	Scientific research and development services	72	Scientific research and development services
Medium-high R&D intensity	Basic chemical manufacturing	3251	Basic chemical manufacturing	20	Manufacture of chemicals and chemical products
	Resin, rubber, and artificial fibers manufacturing	3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing		
	Other chemical manufacturing	3253	Pesticide, fertilizer, and other agricultural chemical manufacturing		
		3255	Paint, coating, and adhesive manufacturing		
		3256	Soap, cleaning compound, and toilet preparation manufacturing		
		3259	Other chemical product and preparation manufacturing		
	Electrical equipment, appliances, and components	335	Electrical equipment, appliance, and component manufacturing	27	Manufacture of electrical equipment
	Agricultural implement manufacturing	3331	Agriculture, construction, and mining machinery manufacturing	28	Manufacture of machinery and equipment nec
	Construction machinery manufacturing				
	Mining and oil and gas field machinery manufacturing				
	Other machinery ^b	3332	Industrial machinery manufacturing		
		333316	Photographic and photocopying equipment manufacturing		
		333318	Other commercial and service industry machinery manufacturing		
		3334	Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing		
		333517	Machine tool manufacturing		
333514		Special tool, die, jig, and fixture manufacturing			
333515		Cutting tool and machine tool accessory manufacturing			
333519		Rolling mill and other metalworking machinery manufacturing			
3336		Engine, turbine, and power transmission equipment manufacturing			

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	Industry title	Industry code	Industry title	Industry code	Industry title	
		3339	Other general purpose machinery manufacturing			
	Plumbing fixture fitting and trim manufacturing ^a	332913	Plumbing fixture fitting and trim manufacturing			
	Ball and roller bearing manufacturing ^a	332991	Ball and roller bearing manufacturing			
	Motor vehicle manufacturing	3361	Motor vehicle manufacturing	29	Manufacture of motor vehicles, trailers and semi-trailers	
	Light truck and utility vehicle manufacturing					
	Heavy duty truck manufacturing					
	Motor vehicle body, trailer, and parts manufacturing ^c	3362	Motor vehicle body and trailer manufacturing			
		33631	Motor vehicle gasoline engine and engine parts manufacturing			
		33632	Motor vehicle electrical and electronic equipment manufacturing			
		33633	Motor vehicle steering and suspension component (except spring) manufacturing			
		33634	Motor vehicle brake system manufacturing			
		33635	Motor vehicle transmission and power train parts manufacturing			
		33636	Motor vehicle seating and interior trim manufacturing			
		33639	Other motor vehicle parts manufacturing			
	All other transportation equipment manufacturing ^d	3365	Railroad rolling stock manufacturing	30X	Manufacture of railroad, military vehicles and transport nec (ISIC 302, 304, and 309)	
			3369			Other transportation equipment manufacturing
	Medical equipment and supplies manufacturing	3391	Medical equipment and supplies manufacturing	325	Manufacture of medical and dental instruments and supplies	
	Computer systems design and related services	5415	Computer systems design and related services	J62 - J63	IT and other information services	
	Data processing, internet publishing, and other information services	518	Data processing, hosting, and related services			
		519	Other information services			

ISIC, Rev.4 = International Standard Industrial Classification, Revision 4; IT = information technology; NAICS = North American Industry Classification System; nec = not elsewhere classified.

^a The value added for these detailed industries has been estimated using gross output ratios. See Technical Appendix for more details.

^b Other machinery includes Optical instrument and lens manufacturing and Industrial mold manufacturing industries. In the ISIC, Rev.4, classification, Optical lens manufacturing is under the Computer, electronic, and optical products industry, whereas the Industrial mold manufacturing is under Fabricated metal products, except machinery and equipment. Value added for these detailed industries has been estimated using gross output ratios. See Technical Appendix for more details.

^c Motor vehicle body, trailer, and parts manufacturing includes Motor vehicle metal stamping. In the ISIC, Rev.4, classification, Motor vehicle metal stamping is under Fabricated metal products, except machinery and equipment. Value added for Motor vehicle metal stamping has been estimated using gross output ratios. See Technical Appendix for more details.

^d All other transportation equipment manufacturing includes Ship building and repairing and Boat building. These industries have been excluded from the Organisation for Economic Co-operation and Development classification of the medium-high R&D intensive industry Manufacture of railroad, military vehicles, and transport nec (ISIC 302, 304, and 309). Value added for these detailed industries has been estimated using gross output ratios. See Technical Appendix for more details.

Source(s):

This concordance was developed using the Census Bureau 2012 NAICS to ISIC, Rev.4, concordance available at: <https://www.census.gov/naics/>. More information on 2012 NAICS classification is available at: <https://www.census.gov/naics/>. More information on ISIC, Rev.4, is available at: <https://unstats.un.org/unsd/classifications/Econ/Structure>.

Science and Engineering Indicators