

NEWS RELEASE



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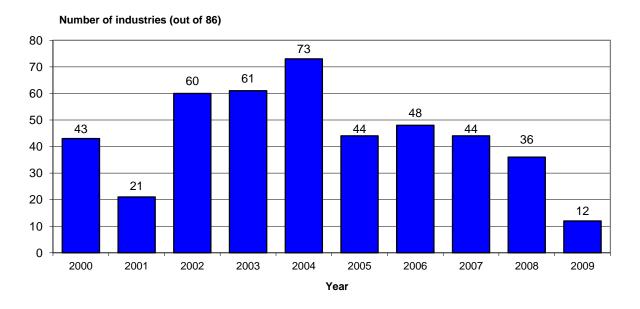
Technical Information: (202) 691-5618 • dipsweb@bls.gov • www.bls.gov/mfp

Media Contact: (202) 691-5902 • PressOffice@bls.gov

MULTIFACTOR PRODUCTIVITY TRENDS FOR DETAILED INDUSTRIES, 2009

Multifactor productivity – defined as output per unit of combined inputs – increased in only 12 of the 86 four-digit NAICS manufacturing industries in 2009, the U.S. Bureau of Labor Statistics reported today. (See table 1.) This was down from 2008, when multifactor productivity increased in 36 of those 86 industries. (See chart 1.) Fewer manufacturing industries recorded multifactor productivity increases in 2009 than in any year since the beginning of the measures in 1987.

Chart 1. Number of manufacturing industries with increases in multifactor productivity



Within the transportation sector in 2009, multifactor productivity declined 1.5 percent in air transportation and 8.6 percent in line-haul railroads.

Multifactor productivity indexes relate the change in real output to the change in the combined inputs of labor, capital, and intermediate purchases consumed in producing that output. Multifactor productivity growth measures the extent to which output growth has exceeded the growth in inputs, and reflects the joint influences on economic growth of a variety of factors, including technological change, returns to scale, enhancements in managerial and staff skills, changes in the organization of production, and other efficiency improvements.

In 2009, outputs and inputs declined in most **manufacturing industries**. Most industries posted double-digit percent declines in output that were accompanied by smaller reductions in the combined inputs of labor, capital, and intermediate goods. Output fell in 79 of 86 manufacturing industries in 2009, compared to 66 in 2008, and declined by double digit percentages in 68 industries. Combined inputs fell in more industries, 72 in 2009 compared to 70 in 2008. In 2009, labor hours fell in all but one manufacturing industry, while intermediate inputs fell in 73 industries and capital services fell in 47 industries.

Chart 2 shows the percent change in multifactor productivity in 2009 in the largest manufacturing industries (those with employment over 200,000). Of those industries, multifactor productivity rose only in electronic instruments, and declined the most in machine shops and threaded products. Semiconductors and electronic components experienced the first decline in multifactor productivity since the beginning of the series in 1987.

Electronic instruments 1.2 Animal slaughtering and processing Converted paper products Medical equipment and supplies Plastics products Aerospace products and parts Printing and related support activities Motor vehicle parts Pharmaceuticals and medicines Other general purpose machinery Bakeries and tortilla manufacturing Other wood products Other miscellaneous manufacturing -8.6 Agriculture, construction, and mining machinery -10.1 Semiconductors and electronic components -10.5 Architectural and structural metals -12.2 Household and institutional furniture -13.1 Other fabricated metal products -13.1 Machine shops and threaded products -18 -16 -14 -12 -10 -8 -6 -2 2

Chart 2. Percent change in multifactor productivity in the largest (by employment) manufacturing industries, 2008-2009

From 1987 to 2009, multifactor productivity increased in 37 of 86 manufacturing industries (43 percent), more than in 2009. (See table 2.) Output increased in 36 industries while combined inputs increased in 39 industries over the period.

Percent change

Chart 3 compares the distribution of multifactor productivity changes in 2009 with the distribution of the average annual compound changes from 1987 to 2009. The chart shows a broader and more negative distribution of multifactor productivity changes in the most recent year compared to the longer-term period.

Chart 3. Distribution of percent change in multifactor productivity for manufacturing industries, 2008-2009 and 1987-2009

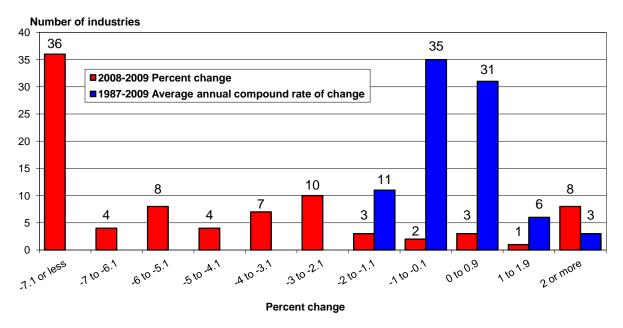
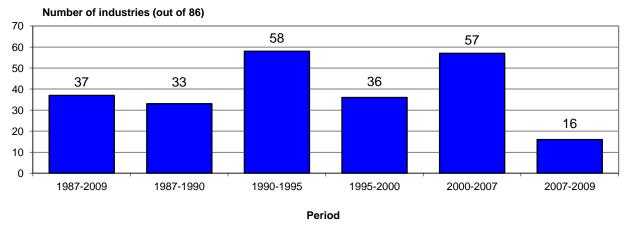


Table 3 presents the average annual compound rate of change in multifactor productivity by industry for 1987 to 2009 and various subperiods. From 2007 to 2009, multifactor productivity grew in 16 of the 86 manufacturing industries, the fewest in any of the subperiods shown. (See chart 4.)

Chart 4. Number of manufacturing industries with increases in multifactor productivity, 1987-2009 and selected subperiods



In 2009, multifactor productivity declined in both of the **transportation industries** studied. Multifactor productivity fell 1.5 percent in air transportation, as output declined 6.5 percent and combined inputs dropped 5.1 percent. Multifactor productivity dropped 8.6 percent in line-haul railroads, as output declined 17.2 percent and combined inputs fell 9.4 percent.

From 1987 to 2009, multifactor productivity rose for both transportation industries. Multifactor productivity in air transportation grew at an average annual rate of 0.9 percent as output increased 2.7 percent annually and combined inputs grew 1.7 percent per year. In line-haul railroads, multifactor productivity increased at an average of 1.9 percent per year between 1987 and 2009, as output rose 1.4 percent per year and combined inputs declined 0.4 percent per year.

Technical Note

Multifactor Productivity: Multifactor productivity measures for detailed industries are derived by dividing an index of real industry output by an index of the combined inputs of labor, capital, and intermediate purchases. The multifactor productivity indexes do not measure the specific contributions of capital, labor, and intermediate inputs. Rather, they are designed to reflect the joint influences on economic growth of a number of factors, including technological change, returns to scale, improved skills of the workforce, better management techniques, or other efficiency improvements.

Output: Manufacturing industry output is measured as annual sectoral output, the total value, in real terms, of goods and services produced for sale outside the industry. Industry value of production is derived by adjusting industry shipments for changes in inventories and subtracting intra-industry transfers and resales. For most manufacturing industries, real output is measured by deflating nominal value of production, but for some industries physical quantities of output are measured. For air transportation and line-haul railroads, output is measured by aggregating passenger-miles and freight ton-miles with weights based on revenues or operating expenses.

Output measures for manufacturing industries are constructed using data primarily from the economic censuses and annual surveys of the Bureau of the Census, U.S. Department of Commerce, together with information on price changes chiefly from the Bureau of Labor Statistics (BLS). Output measures for air transportation and line-haul railroads are constructed using data primarily from the Bureau of Transportation Statistics (BTS) and the Surface Transportation Board (STB), both in the U.S. Department of Transportation (DOT), together with information from the Association of American Railroads (AAR), AMTRAK, and several other sources.

Combined Inputs: The index of combined inputs is a Törnqvist index of separate quantity indexes of capital, labor, and intermediate purchases. The annual growth rates of the various inputs are aggregated using their relative cost shares in total industry value of production as weights. The labor weight is based on labor compensation including fringe benefits. The weight for intermediate purchases is based on the total cost of materials, fuels, electricity, and purchased services. The capital weight is calculated as the value of sectoral production minus the values of labor compensation and intermediate purchases.

Capital Input: Capital input reflects the flow of services derived from the stock of physical assets. Capital services are estimated by calculating productive capital stocks and are assumed to be proportional to changes in these capital stocks for each asset. The capital index is a Törnqvist index of separate quantity indexes of equipment, structures, inventories, and land.

For manufacturing industries, physical capital is comprised of 26 categories of equipment, 2 categories of structures, 3 categories of inventories, and land. Measures of total capital services for each industry are estimated by aggregating the capital stocks of individual asset types. Estimates of investment by asset type for each industry are derived using annual capital expenditures for detailed industries from the economic censuses and annual surveys of the Bureau of the Census, in combination with benchmark capital flow tables and annual detailed asset investment by industry from the Bureau of Economic Analysis (BEA). Price changes are removed from the annual investment data before calculating stocks. Price deflators for each asset category are constructed by combining detailed price indexes (mostly BLS Producer Price Indexes) with weights that reflect each industry's use of individual asset commodities.

The capital stocks for the different assets are combined using weights based on estimated annual rental prices for each asset type, averaged between two time periods. Each rental price reflects the nominal rate

of return to all assets within the industry and the rates of economic depreciation and revaluation of the specific asset. Rental prices are adjusted for the effects of taxes.

For air transportation, a weighted index of 44 types of airframes and 34 types of engines is derived from quantities and purchase prices from BTS. For assets other than airframes and engines, capital stocks are calculated as is done for manufacturing industries. Inventories of parts and supplies are also included; the current dollar series is deflated with a weighted cost index based on data from the Air Transport Association (ATA) and BTS. Indexes for aircraft and engines, non-aircraft assets, and parts and supplies inventories are aggregated using cost share weights to derive an overall measure of capital input.

For line-haul railroads, current dollar investment for 10 categories of equipment and 13 categories of structures, obtained from STB and AMTRAK, are deflated with BLS PPIs and deflators based on BEA data. The capital stocks for each of the items are calculated as is done for manufacturing industries. Inventories of materials and supplies are also included. Estimates of investments in land from STB and AMTRAK were deflated with price indexes from BEA.

Labor Input: For manufacturing industries, the primary source of industry employment and hours data is the BLS Current Employment Statistics (CES) survey. The CES provides monthly data on the number of total and production worker jobs held by wage and salary workers in nonfarm establishments, as well as data on the average weekly hours of production workers in those establishments. CES data are supplemented with data from the Current Population Survey (CPS) to estimate employment and hours of self-employed and unpaid family workers in each industry. Data from the CPS, together with the CES data, are also used to estimate the historical average weekly hours of nonproduction workers for each industry. CES and CPS data are supplemented or further disaggregated for some industries using data from the BLS Quarterly Census of Employment and Wages (QCEW), the Bureau of the Census, or other sources. Hours of all persons in an industry are treated as homogeneous and are directly aggregated.

For air transportation and line-haul railroads, labor input measures are derived primarily from DOT data. For air transportation, annual estimates are based on monthly data from BTS. For line-haul railroads, total labor hours for supervisory and nonsupervisory workers are derived from STB data and supplemented with data from AAR. For the railroad industry, the labor input measure includes an adjustment to remove capitalized labor hours in order to avoid double-counting because some capitalized labor costs are embedded in the railroad investment data.

Intermediate Purchases Input: The index of intermediate purchases is a Törnqvist index of separate quantities of materials, services, fuels, and electricity consumed by each industry. Except for electricity consumed by manufacturing industries, for which direct quantity data are available, quantities are derived by deflating current-dollar values with appropriate price deflators.

For manufacturing industries, nominal values of materials, fuels and electricity, along with quantities of electricity consumed by each industry are obtained from economic censuses and annual surveys of the Bureau of the Census. To avoid double counting, an adjustment is made to the materials estimates to exclude the value of intra-industry commodity transfers. Purchased business services are estimated using annual industry data and benchmark input-output tables from BEA.

Constant-dollar materials consumed are derived by dividing annual current-dollar industry purchases by a weighted price deflator for each industry. Aggregate materials deflators are constructed for each industry by combining producer price indexes and import price indexes from BLS for detailed commodities. The deflators are combined using weights based on detailed commodity data from the BEA benchmark input-output tables. Aggregate price indexes to deflate purchased business services are constructed in a similar

manner using consumer price indexes (CPIs), PPIs, and deflators developed by BEA. The value of fuels consumed by each industry is deflated with a weighted price deflator based on PPIs for individual fuel categories; the weights reflect fuel expenditures by industry from the Energy Information Administration (EIA), U.S. Department of Energy.

For air transportation, detailed cost of materials, services, fuels, and electricity from the BTS were deflated using cost indexes from ATA. For line-haul railroads, intermediate purchases data from STB were supplemented with data from other sources including AAR, AMTRAK, EIA, and the Edison Electric Institute. The nominal values were deflated with producer price indexes from BLS and implicit price deflators calculated from BEA investment data.

Revisions: This news release incorporates data from the 2009 Annual Survey of Manufactures and the November 2010 Subject Series Revision to the 2007 Economic Census, both published by the Census Bureau. This news release also incorporates the annual benchmark revisions of the BLS Current Employment Statistics (CES) survey published in February, 2011.

Additional Information: The industries included in this release are classified according to the 2007 NAICS. While the rates of change reported by BLS in this news release are rounded to one decimal place, all industry productivity percent changes are calculated using index numbers rounded to three decimal places.

Year-to-year movements in industry multifactor productivity measures may be erratic, particularly in smaller industries. The annual measure based on sample data may differ from measures generated by a census of establishments in the industry. Annual changes in an industry's output, labor, capital, and intermediate purchases may reflect cyclical changes in the economy as well as long-term trends. As a result, long-term multifactor productivity changes tend to be more reliable indicators of industry performance than year-to-year changes.

Industry multifactor productivity and related indexes and rates can be accessed by visiting the Multifactor Productivity and Costs website at http://www.bls.gov/mfp. Additional data are available upon request by calling the Division of Industry Productivity Studies at 202-691-5618 or by sending a request by e-mail to dipsweb@bls.gov. Information in this report will be made available to sensory-impaired individuals upon request. Voice phone: 202-691-5618; TDD message referral phone number: 1-800-877-8339.

To subscribe to the industry productivity program's electronic notification service, send an e-mail to dipsnews@bls.gov with the word "subscribe" in the subject line.

Table 1. Industry multifactor productivity and related data, percent change, 2008-2009

10020 10 1	producting and related and,	2009 Percent change						
NAICS	Industry	Employment	Multifactor		Combined			Intermediate
code	muusti y	(thousands)	productivity	Output	inputs	Hours	Capital	purchases
- Couc		(thousands)	productivity	Output	приы	Hours	Capitai	purchases
	Manufacturing							
	manatataning							
3111	Animal food	53	-3.4	3.5	7.2	-2.3	2.7	10.0
3112	Grain and oilseed milling	60	4.5	6.4	1.8	-1.8	0.5	2.7
3113	Sugar and confectionery products	73	-7.0	-4.6	2.6	-7.4	0.1	7.2
3114	Fruit and vegetable preserving and specialty	175	-7.0 -9.1	-3.3	6.3	2.2	1.2	9.1
3115	Dairy products	133	0.9	1.9	1.0	-4.1	3.1	1.4
3116	Animal slaughtering and processing	500	-2.1	0.6	2.8	-2.4	3.2	3.8
3117	Seafood product preparation and packaging	38	-1.1	5.7	6.9	-10.6	5.7	11.0
3118	Bakeries and tortilla manufacturing	296	-7.0	-1.4	6.1	-3.0	0.4	10.5
3119	Other food products	163	-5.3	-1.1	4.4	-5.5	1.7	8.2
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3121	Beverages	176	-5.2	-1.9	3.4	-10.1	1.3	7.3
3122	Tobacco and tobacco products	19	-19.6	-22.2	-3.2	-20.7	-2.2	-2.3
3131	Fiber, yarn, and thread mills	31	-3.6	-24.4	-21.6	-18.5	-5.5	-24.6
3132	Fabric mills	60	-0.1	-14.9	-14.8	-17.9	-3.0	-17.3
3133	Textile and fabric finishing mills	44	-3.8	-20.4	-17.3	-17.6	-4.8	-18.1
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3141	Textile furnishings mills	69	-15.3	-27.9	-14.9	-15.5	-5.9	-17.9
3149	Other textile product mills	75	-11.3	-19.3	-9.1	-14.3	2.3	-9.6
	,							
3151	Apparel knitting mills	24	-1.8	-25.8	-24.4	-25.6	-5.7	-29.8
3152	Cut and sew apparel	153	-6.8	-23.1	-17.5	-10.6	-6.0	-25.2
3159	Accessories and other apparel	15	4.1	-12.0	-15.5	-12.1	-5.1	-18.4
0.00	Account and other apparer			12.0	10.0	1211	0	1011
3161	Leather and hide tanning and finishing	4	-2.2	-29.2	-27.6	-14.8	-3.2	-36.0
3162	Footwear	15	-7.7	-19.1	-12.4	-14.4	-3.5	-14.8
3169	Other leather products	14	-14.0	-23.4	-10.9	-9.7	-3.5 -4.5	-15.2
3109	Other leather products	14	-14.0	-23.4	-10.9	-9.1	-4.5	-13.2
3211	Saumilla and wood proper often	84	4.7	-14.3	-18.1	-20.1	-4.3	-17.8
3211	Sawmills and wood preservation	68					-4.3 -3.9	
	Plywood and engineered wood products		-4.0 7.0	-28.2	-25.3	-26.6		-25.7
3219	Other wood products	237	-7.2	-26.1	-20.3	-21.1	-1.9	-21.1
3221	Pulp, paper, and paperboard mills	118	-2.7	-9.2	-6.6	-7.9	-3.6	-7.9
3222	Converted paper products	290	-2.5	-11.3	-9.0	-12.7	-1.7	-9.6
3231	Printing and related support activities	550	-4.6	-14.9	-10.8	-11.3	-2.2	-11.9
3241	Petroleum and coal products	117	-2.5	-2.6	-0.2	-5.3	9.2	-1.0
3251	Basic chemicals	146	-5.4	-16.7	-12.0	-5.3	2.5	-16.7
3252	Resin, rubber, and artificial fibers	92	2.9	-17.3	-19.7	-10.9	-1.3	-22.3
3253	Agricultural chemicals	37	11.6	12.3	0.7	-1.5	8.2	-4.1
3254	Pharmaceuticals and medicines	285	-5.7	-6.7	-1.1	-2.3	-0.5	-1.4
3255	Paints, coatings, and adhesives	57	-10.8	-17.1	-7.1	-11.5	0.5	-6.9
3256	Soaps, cleaning compounds, and toiletries	103	-5.7	-7.6	-2.0	-7.1	1.6	-3.0
3259	Other chemical products and preparations	87	-2.8	-10.6	-8.0	-6.1	1.7	-8.9
0200	Other enermous products and preparations	01	2.0	10.0	0.0	0.1	1.7	0.0
3261	Plastics products	506	-3.9	-17.3	-13.9	-16.4	-1.0	-16.4
3262	Rubber products	124	-1.0	-16.8	-16.0	-16.4	-1.0	-18.0
3202	Rubbei products	124	-1.0	-10.0	-10.0	-10.4	-1.2	-10.0
2074	Clay products and refractaries	E4	40.0	20.4	474	15.0	2.0	40.0
3271	Clay products and refractories	51	-13.0	-28.1	-17.4	-15.9	-3.0	-19.6
3272	Glass and glass products	89	-5.5	-14.4	-9.4	-17.0	-2.1	-7.1
3273	Cement and concrete products	186	-11.3	-27.6	-18.4	-19.2	-0.5	-22.4
3274	Lime and gypsum products	15	-12.4	-22.1	-11.1	-16.2	-0.4	-12.8
3279	Other nonmetallic mineral products	69	-10.8	-18.3	-8.4	-13.4	-1.1	-9.7
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3311	Iron and steel mills and ferroalloy production	86	-2.8	-34.7	-32.8	-15.8	1.1	-39.6
3312	Steel products from purchased steel	51	-9.4	-31.6	-24.5	-19.0	-1.1	-29.4
3313	Alumina and aluminum production	56	6.0	-21.8	-26.2	-17.5	-1.4	-29.8
3314	Other nonferrous metal production	58	0.3	-24.6	-24.8	-11.8	8.1	-36.4
3315	Foundries	114	0.2	-26.2	-26.3	-27.5	-0.1	-26.7
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Table 1. Industry multifactor productivity and related data, percent change, 2008-2009-Continued

	Industry multifactor productivity and related data, percent change, 2008-2009-Continued									
NAIGO	La la desa	2009	Percent change							
NAICS	Industry	Employment	Multifactor	044	Combined	Labor	Camital	Intermediate		
code		(thousands)	productivity	Output	inputs	Hours	Capital	purchases		
3321	Forging and stamping	89	-16.9	-26.7	-11.8	-21.3	0.0	-9.9		
3322	Cutlery and hand tools	45	-13.2	-19.5	-7.2	-8.7	-1.0	-7.5		
3323	Architectural and structural metals	351	-12.2	-23.5	-13.0	-15.8	2.3	-14.0		
3324	Boilers, tanks, and shipping containers	89	-17.1	-16.4	0.9	-12.6	0.5	5.6		
3325	Hardware	25	-12.4	-27.6	-17.4	-16.7	-3.1	-18.9		
3326	Spring and wire products	44	-15.0	-22.2	-8.4	-18.7	-1.1	-4.8		
3327	Machine shops and threaded products	323	-15.2	-25.7	-12.4	-15.9	1.1	-13.6		
3328	Coating, engraving, and heat treating metals	123	-16.9	-26.5	-11.5	-21.6	1.4	-9.9		
3329	Other fabricated metal products	255	-13.1	-21.4	-9.5	-15.2	-0.1	-11.0		
3331	Agriculture, construction, and mining machinery	215	-10.1	-23.5	-14.9	-13.8	4.6	-20.7		
3332	Industrial machinery	103	-4.8	-27.5	-23.9	-20.8	-2.7	-26.5		
3333	Commercial and service industry machinery	97	-2.2	-13.3	-11.4	-10.6	0.7	-13.7		
3334	HVAC and commercial refrigeration equipment	129	-7.6	-17.5	-10.7	-18.3	0.9	-10.9		
3335	Metalworking machinery	160	-10.1	-29.9	-22.1	-23.4	-1.4	-22.4		
3336	Turbine and power transmission equipment	95	-12.3	-24.5	-14.0	-13.3	1.4	-16.0		
3339	Other general purpose machinery	238	-6.7	-20.7	-15.0	-18.0	0.7	-18.0		
3341	Computer and peripheral equipment	168	-3.0	-10.3	-7.5	-10.0	0.3	-9.5		
3342	Communications equipment	122	-9.1	-18.8	-10.6	-4.0	5.1	-14.6		
3343	Audio and video equipment	24	-3.6	-45.6	-43.6	-18.5	-9.5	-50.2		
3344	Semiconductors and electronic components	381	-10.5	-17.2	-7.4	-13.8	1.9	-10.5		
3345	Electronic instruments	422	1.2	-6.1	-7.2	-7.1	0.2	-9.3		
3346	Magnetic media manufacturing and reproduction	29	2.2	-12.5	-14.4	-21.0	-5.5	-11.8		
3351	Electric lighting equipment	49	-8.7	-19.8	-12.1	-19.1	1.5	-12.2		
3352	Household appliances	60	-2.7	-17.2	-14.9	-18.2	-3.8	-17.0		
3353	Electrical equipment	146	-9.1	-19.9	-11.8	-14.4	-1.1	-14.4		
3359	Other electrical equipment and components	122	-8.0	-21.1	-14.2	-15.1	-0.2	-16.7		
3361	Motor vehicles	147	-6.0	-30.2	-25.8	-27.1	-4.5	-28.7		
3362	Motor vehicle bodies and trailers	106	-4.4	-30.9	-27.7	-25.6	-3.6	-29.0		
3363	Motor vehicle parts	420	-5.7	-25.6	-21.1	-25.2	-6.0	-20.3		
3364	Aerospace products and parts	496	-4.1	8.0	5.2	-2.1	1.8	10.0		
3365	Railroad rolling stock	23	-8.7	-25.9	-18.8	-27.4	2.9	-18.7		
3366	Ship and boat building	132	2.3	-14.3	-16.3	-18.4	4.2	-15.8		
3369	Other transportation equipment	40	-15.5	-18.6	-3.7	-3.8	4.6	-5.5		
3371	Household and institutional furniture	273	-13.1	-28.3	-17.4	-20.1	-5.0	-17.1		
3372	Office furniture and fixtures	108	-15.4	-29.2	-16.3	-18.6	-2.7	-19.8		
3379	Other furniture-related products	39	-1.2	-10.5	-9.4	-7.9	-3.4	-11.6		
3391	Medical equipment and supplies	321	-3.6	-2.1	1.5	-1.4	3.3	2.0		
3399	Other miscellaneous manufacturing	328	-8.6	-16.4	-8.5	-15.8	-1.5	-6.8		
	Transportation									
481	Air Transportation	399	-1.5	-6.5	-5.1	-6.6	-2.6	-5.4		
482111	Line-Haul Railroads	172	-8.6	-17.2	-9.4	-13.8	1.7	-13.3		

Table 2. Industry multifactor productivity and related data, average annual compound rates of change, 1987-2009

Table 2. I	ndustry multifactor productivity and related data, ave	l						
NAICS	Industry	Multifactor		Combined	t change Labor		Intermediate	
code	inducity	productivity	Output	inputs	Hours	Capital	purchases	
		ı v	•	•		•		
	Manufacturing							
3111	Animal food	0.3	2.2	1.9	-0.8	2.0	2.2	
3112	Grain and oilseed milling	0.2	1.5	1.2	-0.9	0.8	1.5	
3113	Sugar and confectionery products	-0.3	-0.5	-0.2	-1.2	1.0	-0.7	
3114	Fruit and vegetable preserving and specialty	-0.1	1.1	1.3	-0.2	1.4	1.5	
3115 3116	Dairy products Animal slaughtering and processing	-0.3 0.5	1.1 2.2	1.4 1.7	-0.7 1.2	1.8 2.6	1.6 1.7	
3117	Seafood product preparation and packaging	-0.5	0.3	0.8	-1.2	2.6 1.6	1.0	
3117	Bakeries and tortilla manufacturing	-0.5 -1.3	0.3	1.6	-0.3	1.5	2.4	
3119	Other food products	0.3	1.9	1.6	1.2	1.3	1.8	
0110	Carlot 1000 producto	0.0	1.0	1.0	1.2	1.0	1.0	
3121	Beverages	0.4	1.3	0.8	-0.9	0.7	1.1	
3122	Tobacco and tobacco products	-1.9	-4.1	-2.2	-4.5	-2.2	-3.4	
	•							
3131	Fiber, yarn, and thread mills	0.4	-2.8	-3.2	-6.0	-1.4	-2.6	
3132	Fabric mills	1.1	-3.1	-4.1	-7.6	-1.8	-3.2	
3133	Textile and fabric finishing mills	-0.3	-4.4	-4.1	-4.8	-1.7	-4.2	
_								
3141	Textile furnishings mills	-0.8	-2.9	-2.1	-2.9	-0.7	-2.5	
3149	Other textile product mills	-0.2	-1.1	-0.9	-2.4	1.4	-0.7	
2454	Apparation wills	0.0	7.0	7.4	7.0	0.4	0.0	
3151	Apparel knitting mills	-0.8 -2.0	-7.8 -8.7	-7.1 -6.9	-7.3	-2.4	-8.3 -8.5	
3152 3159	Cut and sew apparel Accessories and other apparel	-2.0 -1.6	-6.7 -7.3	-6.9 -5.8	-7.3 -4.6	-2.3 -1.6	-6.5 -6.8	
3139	Accessories and other apparer	-1.0	-7.3	-3.6	-4.0	-1.0	-0.0	
3161	Leather and hide tanning and finishing	-0.7	-6.6	-5.9	-6.0	-2.0	-6.8	
3162	Footwear	0.3	-6.3	-6.6	-8.2	-3.1	-6.4	
3169	Other leather products	-0.4	-4.5	-4.1	-5.0	-1.1	-5.2	
	'							
3211	Sawmills and wood preservation	0.1	-0.6	-0.7	-3.2	-0.5	0.6	
3212	Plywood and engineered wood products	-0.4	-1.6	-1.2	-2.1	1.2	-0.8	
3219	Other wood products	-0.9	-1.3	-0.4	-2.0	1.5	0.2	
	.							
3221	Pulp, paper, and paperboard mills	-0.3	-0.6	-0.2	-3.3	-0.6	1.0	
3222	Converted paper products	-0.2	-0.1	0.1	-1.6	1.2	0.3	
3231	Drinting and related support activities	-0.4	-0.6	-0.2	-1.8	1.9	0.3	
3231	Printing and related support activities	-0.4	-0.6	-0.2	-1.0	1.9	0.3	
3241	Petroleum and coal products	0.2	1.0	0.8	-1.5	1.7	0.9	
5	r choleum and coal producto	0.2	110	0.0			0.0	
3251	Basic chemicals	-1.3	-0.4	1.0	-2.3	1.2	1.6	
3252	Resin, rubber, and artificial fibers	-0.1	-0.4	-0.3	-2.1	1.2	-0.2	
3253	Agricultural chemicals	0.8	0.8	0.0	-2.0	-0.4	0.6	
3254	Pharmaceuticals and medicines	-1.7	2.5	4.3	2.1	5.0	4.5	
3255	Paints, coatings, and adhesives	-1.8	-1.2	0.6	-1.8	0.8	1.2	
3256	Soaps, cleaning compounds, and toiletries	-0.3	1.8	2.1	-1.0	2.4	2.6	
3259	Other chemical products and preparations	-1.1	-0.4	0.7	-2.5	0.8	1.8	
2004	Diseting and unto	0.0	4.4	4.4	0.7	0.0	4.0	
3261	Plastics products	0.0	1.1	1.1	-0.7	2.9	1.3	
3262	Rubber products	0.5	-0.4	-0.8	-2.4	0.2	-0.1	
3271	Clay products and refractories	-0.8	-2.5	-1.7	-3.0	-0.6	-1.0	
3271 3272	Glass and glass products	-0.8 0.5	-2.5 -0.2	-1.7 -0.7	-3.0 -2.2	-0.6 0.3	-1.0 -0.1	
3272	Cement and concrete products	-0.9	-0.2 -0.5	0.4	-2.2 -0.4	1.1	0.6	
3274	Lime and gypsum products	-0.9	-1.1	-0.2	-1.8	1.1	-0.3	
3279	Other nonmetallic mineral products	0.4	0.5	0.1	-0.8	0.3	0.5	
]	""		3.3	3.3]	
3311	Iron and steel mills and ferroalloy production	0.6	0.4	-0.2	-3.3	-1.7	1.5	
3312	Steel products from purchased steel	-1.0	-3.2	-2.2	-1.6	-1.7	-2.3	
3313	Alumina and aluminum production	-0.1	-1.2	-1.1	-3.2	-0.4	-0.4	
3314	Other nonferrous metal production	-1.3	-2.1	-0.9	-2.8	-0.1	-0.7	
3315	Foundries	-0.3	-1.3	-1.0	-3.2	0.0	0.6	

Table 2. Industry multifactor productivity and related data, average annual compound rates of change, 1987-2009-Continued

		verage annual compound rates of change, 1987-2009-Continued Percent change								
NAICS	Industry	Multifactor Combined Labor Intermediate								
code	ilidusti y	productivity	Output	inputs	Hours	Capital	purchases			
Coue		productivity	Output	mputs	110015	Сарітаі	purchases			
3321	Forging and stamping	0.1	0.3	0.2	-2.1	1.7	1.1			
3322	Cutlery and hand tools	-1.1	-1.9	-0.8	-2.6	0.1	0.2			
3323	Architectural and structural metals	-0.8	0.5	1.3	-0.1	1.4	2.1			
3324	Boilers, tanks, and shipping containers	-0.4	-0.4	-0.1	-1.1	-0.1	0.2			
3325	Hardware	-1.5	-4.0	-2.5	-4.4	-0.4	-2.0			
3326	Spring and wire products	0.1	-0.5	-0.6	-2.8	1.0	0.2			
3327	Machine shops and threaded products	0.4	1.8	1.4	0.0	2.6	2.4			
3328	Coating, engraving, and heat treating metals	0.5	1.7	1.3	-0.8	2.1	2.2			
3329	Other fabricated metal products	-0.5	-0.2	0.3	-1.5	0.7	1.3			
3331	Agriculture, construction, and mining machinery	0.3	2.2	1.9	-0.1	0.8	2.7			
3332	Industrial machinery	0.0	-0.1	-0.1	-1.9	2.2	0.7			
3333	Commercial and service industry machinery	-0.7	-0.9	-0.2	-2.1	0.6	0.8			
3334	HVAC and commercial refrigeration equipment	0.2	0.7	0.5	-1.3	1.7	0.9			
3335	Metalworking machinery	0.3	-1.1	-1.4	-2.6	1.1	-0.5			
3336	Turbine and power transmission equipment	-0.8	0.4	1.2	-0.9	1.4	2.0			
3339	Other general purpose machinery	0.1	8.0	0.7	-1.6	0.9	1.8			
3341	Computer and peripheral equipment	16.2	18.3	1.7	-4.1	1.2	3.2			
3342	Communications equipment	1.3	2.5	1.1	-2.8	3.2	2.9			
3343	Audio and video equipment	1.4	-2.5	-3.8	-4.2	0.3	-4.3			
3344	Semiconductors and electronic components	12.8	13.6	0.7	-2.0	6.5	-1.3			
3345	Electronic instruments	0.2	1.7	1.5	-2.1	1.2	4.2			
3346	Magnetic media manufacturing and reproduction	3.6	1.0	-2.5	-1.4	1.5	-3.3			
3351	Electric lighting equipment	0.0	-0.7	-0.7	-2.6	0.5	-0.1			
3352	Household appliances	1.4	-0.1	-1.4	-3.7	-0.3	-1.0			
3353	Electrical equipment	-0.3	-0.4	-0.2	-2.7	-0.5	1.4			
3359	Other electrical equipment and components	-0.4	-0.9	-0.4	-2.4	0.5	0.1			
3361	Motor vehicles	0.1	-0.6	-0.6	-3.5	1.0	-0.6			
3362	Motor vehicle bodies and trailers	-0.6	-0.6	0.0	-1.4	1.8	0.3			
3363	Motor vehicle parts	0.6	0.6	0.0	-2.1	1.3	0.7			
3364	Aerospace products and parts	-0.9	-0.2	0.7	-2.2	0.6	2.6			
3365	Railroad rolling stock	0.6	4.2	3.6	-0.8	0.4	5.4			
3366	Ship and boat building	-0.3	0.6	0.9	-1.7	0.5	2.5			
3369	Other transportation equipment	1.4	6.4	5.0	0.2	4.5	6.3			
3371	Household and institutional furniture	-0.6	-1.2	-0.7	-2.4	0.8	0.1			
3372	Office furniture and fixtures	-0.4	-0.7	-0.3	-1.8	1.2	0.1			
3379	Other furniture-related products	0.6	1.1	0.5	-0.9	0.2	1.0			
3391	Medical equipment and supplies	1.5	4.6	3.1	1.2	5.0	3.2			
3399	Other miscellaneous manufacturing	0.1	0.4	0.3	-1.7	1.5	0.9			
	Transportation									
481	Air Transportation	0.9	2.7	1.7	-0.1	4.2	2.3			
482111	Line-Haul Railroads	1.9	1.4	-0.4	-2.4	-0.2	1.5			

Table 3. Industry multifactor productivity, average annual compound rates of change, 1987-2009 and selected subperiods

NAICS code	Industry	1987-2009	1987-1990	1990-1995	Percent chang 1995-2000	2000-2007	2007-2009	2008-2009
	illustry	1707-2007	1707-1770	1770-1773	1773-2000	2000-2007	4007-4009	
Code								2000-2009
	Manufacturing							
	Mandracturing							
3111	Animal food	0.3	0.6	0.3	-0.7	1.7	-2.5	-3.4
	Grain and oilseed milling	0.3	0.0	0.5	0.4	-0.1	0.7	4.5
	<u> </u>							
	Sugar and confectionery products	-0.3	-0.4	0.4	1.9	0.1	-7.9	-7.0
	Fruit and vegetable preserving and specialty	-0.1	-2.6	1.3	1.0	1.0	-6.3	-9.1
	Dairy products	-0.3	-0.3	-0.6	-0.7	0.4	-0.7	0.9
3116	Animal slaughtering and processing	0.5	-0.9	0.9	1.3	1.2	-2.8	-2.1
3117	Seafood product preparation and packaging	-0.5	-1.2	0.0	-0.4	1.5	-7.2	-1.1
3118	Bakeries and tortilla manufacturing	-1.3	-4.4	0.3	-0.7	-0.2	-6.4	-7.0
3119	Other food products	0.3	-0.1	0.7	-0.1	1.4	-2.5	-5.3
	·							
3121	Beverages	0.4	0.3	1.0	-1.0	2.5	-3.8	-5.2
	Tobacco and tobacco products	-1.9	-1.1	-0.7	0.6	-1.2	-13.9	-19.6
0.22	- Caracas and torus products			.	0.0			
3131	Fiber, yarn, and thread mills	0.4	0.1	0.3	-0.1	2.0	-3.0	-3.6
	Fabric mills	1.1	-0.1	1.3	-0.1	2.7	-0.4	-0.1
	Textile and fabric finishing mills	-0.3	-0.1	-0.1	1.1	0.4	-6.8	-3.8
3133	TOALIE AND TADITE III IISTIINY ITIIIIS	-0.3	-∪.∠	-U. I	1.1	0.4	-0.6	-3.0
21/4	Toytilo furnishings mills	0.0	0.6	4.0	1.0	0.3	0.0	15.2
	Textile furnishings mills	-0.8	-0.6	1.2	-1.0	0.3	-9.0 6.6	-15.3
3149	Other textile product mills	-0.2	-0.1	-0.2	0.4	1.3	-6.6	-11.3
0454	A 11 . 202 211	2.2	0.0	0.0		2.2		4.6
	Apparel knitting mills	-0.8	0.8	2.0	-2.6	-2.3	-0.2	-1.8
	Cut and sew apparel	-2.0	-1.4	0.5	-1.7	-2.4	-8.7	-6.8
3159	Accessories and other apparel	-1.6	0.9	0.5	-4.7	-2.6	1.5	4.1
3161	Leather and hide tanning and finishing	-0.7	-3.2	-2.1	3.6	-2.4	1.8	-2.2
3162	Footwear	0.3	-1.9	0.2	-0.8	1.4	2.6	-7.7
3169	Other leather products	-0.4	0.0	-2.3	1.7	2.7	-11.1	-14.0
	•							
3211	Sawmills and wood preservation	0.1	1.6	-1.4	-2.0	0.9	4.2	4.7
	Plywood and engineered wood products	-0.4	-0.6	-0.4	-0.8	0.4	-2.1	-4.0
	Other wood products	-0.9	-0.8	-1.0	-0.7	0.0	-4.2	-7.2
3221	Pulp, paper, and paperboard mills	-0.3	-1.6	-1.1	-0.3	1.4	-2.6	-2.7
	Converted paper products	-0.2	-0.5	-0.2	-0.3	0.8	-2.6	-2.5
JEEE	Convence paper products	0.2	0.5	0.2	0.5	0.0	2.0	2.0
3231	Printing and related support activities	-0.4	-0.4	-0.3	-1.3	0.4	-1.6	-4.6
3231	Filling and related support activities	-0.4	-0.4	-0.3	-1.3	0.4	-1.0	-4.0
3241	Petroleum and coal products	0.2	-1.9	2.2	2.0	-1.1	-1.5	-2.5
3241	retroleum and coar products	0.2	-1.9	2.2	2.0	-1.1	-1.5	-2.5
2054	Dania ahamiaala	4.0	4.0	2.2	4.0	4.0	7.5	
	Basic chemicals	-1.3	-1.0	-3.3	-1.2	1.8	-7.5	-5.4
	Resin, rubber, and artificial fibers	-0.1	-0.9	1.0	-0.9	0.6	-1.6	2.9
	Agricultural chemicals	0.8	2.1	1.0	-1.3	2.1	-0.7	11.6
	Pharmaceuticals and medicines	-1.7	-1.9	-2.5	-2.2	-0.1	-4.0	-5.7
	Paints, coatings, and adhesives	-1.8	-2.1	-0.8	-2.1	-0.9	-5.9	-10.8
3256	Soaps, cleaning compounds, and toiletries	-0.3	-1.5	0.1	-2.0	3.1	-6.9	-5.7
3259	Other chemical products and preparations	-1.1	-1.7	0.0	-1.0	-2.0	0.4	-2.8
							ĺ	
3261	Plastics products	0.0	-0.8	1.0	0.5	0.4	-4.2	-3.9
	Rubber products	0.5	1.3	1.2	1.0	0.1	-2.5	-1.0
	·						ĺ	
3271	Clay products and refractories	-0.8	0.7	1.1	0.9	-2.0	-7.7	-13.0
	Glass and glass products	0.5	-0.2	1.7	1.9	-1.1	0.4	-5.5
	Cement and concrete products	-0.9	0.6	0.3	0.2	-0.8	-8.8	-11.3
	Lime and gypsum products	-0.9	-1.4	-2.5	0.2	0.0	-3.3	-12.4
	• • • • • • • • • • • • • • • • • • • •	0.4	-1.4 -1.4	-2.5 2.0	-0.4	1.9	-3.3 -3.4	-12.4
3218	Other nonmetallic mineral products	0.4	-1.4	∠.∪	-0.4	1.9	-3.4	-10.6
2244	Iron and stool mills and formallay production	0.6	4.0	2.0	1.0	0.7	2.2	2.0
	Iron and steel mills and ferroalloy production	0.6	1.3	2.0	1.9	-0.7	-2.2	-2.8
	Steel products from purchased steel	-1.0	1.1	2.3	-0.1	-2.9	-7.7	-9.4
	Alumina and aluminum production	-0.1	-0.2	-0.7	-0.2	-0.4	3.1	6.0
	Other nonferrous metal production	-1.3	-1.6	1.5	0.1	-5.3	3.5	0.3
3315	Foundries	-0.3	-0.2	1.5	0.1	-1.1	-3.3	0.2
		<u> </u>						

Table 3. Industry multifactor productivity, average annual compound rates of change, 1987-2009 and selected subperiods -Continued

NAICS Industry 1987-2009 1987-1990 1995-1905 1995-2000 2000-2007 2007-2006 2000-2007 2007-2006 2000-2007 2007-2006 2000-2007 2007-2006 2000-2007 2007-2006		productively average aimain con	pound rates of change, 1987-2009 and selected subperiods -Continued Percent change								
3322 Cullery and hand tools -1.1 -1.4 0.9 -0.4 -0.8 -7.6 -7.6 -7.3 -7.6 -7.6 -7.2 -7.6 -7.5		Industry	1987-2009	1987-1990			,	2007-2009	2008-2009		
3324 Architectural and structural metals -0.8 -1.2 0.8 -0.6 0.1 -7.3	3321	Forging and stamping	0.1	-0.6	0.9	0.9	1.8	-8.3	-16.9		
Solers, tanks, and shipping containers	3322	Cutlery and hand tools	-1.1	-1.4	0.9	-0.4	-0.8	-7.6	-13.2		
Saze Hardware -1.5 -2.2 0.6 0.6 0.1 -2.2 6.6 6.7 -3.37	3323	Architectural and structural metals	-0.8	-1.2	0.8	-0.6	0.1	-7.3	-12.2		
3326 Spring and wire products 0.1 0.4 1.5 0.5 0.7 6.7	3324	Boilers, tanks, and shipping containers	-0.4	0.7	1.2	0.2	0.1	-8.5	-17.1		
Machine shops and threaded products								-6.6	-12.4		
3328 Coating, engraving, and heat treating metals 0.5 0.8 2.0 -0.6 2.3 7.0 -7.0								-6.7	-15.0		
Other fabricated metal products		·							-15.2		
Agriculture, construction, and mining machinery 0.3 2.6 -0.2 -1.1 2.0 -4.4 3332 Industrial machinery 0.0 0.2 1.5 -0.5 0.6 4.7 3333 Commercial and service industry machinery 0.7 0.9 -0.9 -1.7 -0.9 0.6 3334 HVAC and commercial refrigeration equipment 0.2 -0.2 0.6 0.6 0.9 -2.9 3335 Metalworking machinery 0.3 0.1 1.2 -0.8 1.9 4.0 3336 Turbine and power transmission equipment -0.8 -0.5 -0.2 0.8 -0.9 -5.9 3339 Other general purpose machinery 0.1 0.5 -0.1 -0.2 1.4 -3.5 3341 Computer and peripheral equipment 16.2 5.4 11.8 21.7 21.4 13.5 3342 Communications equipment 1.3 3.7 3.6 1.3 2.6 -11.1 3343 Audio and video equipment 1.4 3.7 1.8 0.2 3.6 -7.7 3344 Semiconductors and electronic components 12.8 7.2 18.1 22.7 9.4 -2.2 3345 Electronic instruments 0.2 1.6 -0.3 -4.3 3.3 0.2 3346 Magnetic media manufacturing and reproduction 3.6 1.2 5.8 -1.1 5.2 8.4 3351 Electric lighting equipment 0.0 -1.8 0.1 0.2 1.4 -3.2 3362 Household appliances 1.4 -0.1 2.4 0.9 2.6 -2.1 3363 Electrical equipment 0.0 -1.8 0.1 0.2 1.4 -3.2 3364 Motor vehicles 0.1 0.2 -1.5 0.3 2.7 -5.7 3365 Motor vehicles and trailers 0.6 -3.0 2.0 -2.0 0.5 -3.6 3366 Ship and boat building 0.3 -0.5 -3.6 3367 Motor vehicle parts 0.6 0.8 1.9 0.3 1.6 -1.5 3368 Ship and boat building 0.0 0.1 0.6 0.2 2.1 -2.4 3379 Other furniture related products 0.6 0.1 0.6 0.2 2.1 -2.4 3370 Other furniture and fixtures 0.4 -2.6 0.2 1.9 0.8 -8.1 3371 Household and institutional furniture 0.6 0.7 0.5 0.3 0.6 -0.1 0.9 -4.8 3379 Other miscellaneous manufacturing 0.1 1.3 0.6 0.1 0.9 -4.8 Transportation Transportation 0.1 0.1 0.9 0.2 0.5 0.5									-16.9		
Industrial machinery	3329	Other fabricated metal products	-0.5	-1.8	0.2	-0.8	1.0	-5.0	-13.1		
3333 Commercial and service industry machinery -0.7 0.9 -0.9 -0.9 -1.7 -0.9 0.6								-4.4	-10.1		
HVAC and commercial refrigeration equipment 0.2 -0.2 0.6 0.6 0.9 -2.9 3335 Metalworking machinery 0.3 0.1 1.2 -0.8 1.9 4.0 3336 Turbine and power transmission equipment 0.8 -0.5 -0.2 0.8 -0.9 -5.9 -0.2 0.6 -0.2 0.6 -0.2 0.6 -0.3 -0.5 -0.2 0.8 -0.9 -0.5 -0.5 -0.2 0.8 -0.9 -0.5 -0.5 -0.2 0.8 -0.9 -0.5 -0.5 -0.2 0.8 -0.9 -0.5 -0.5 -0.2 0.8 -0.9 -0.2 -0.2 -0.4 -0.3 -0.5 -0.2 -0.4 -0.3 -0.5 -									-4.8		
Metalworking machinery 0.3 0.1 1.2 0.8 1.9 0.4 0.3 0.1 0.5 0.2 0.8 0.9 0.9 0.5 0.1 0.5 0.0 0.1 0.5 0.0 0.2 0.8 0.9 0.9 0.3 0.1 0.5 0.0 0.2 0.8 0.9 0.9 0.3 0.1 0.5 0.0 0.2 0.8 0.9 0.9 0.3 0.1 0.5 0.0 0.0 0.2 0.8 0.9 0.9 0.3 0.5 0.0 0.0 0.5 0.0									-2.2		
3336 Turbine and power transmission equipment Other general purpose machinery									-7.6		
3339 Other general purpose machinery 0.1 0.5 -0.1 -0.2 1.4 -3.5									-10.1		
3341 Computer and peripheral equipment 16.2 5.4 11.8 21.7 21.4 13.5									-12.3		
3342 Communications equipment 1.3 3.7 3.6 1.3 2.6 -11.1	3339	Other general purpose machinery	0.1	0.5	-0.1	-0.2	1.4	-3.5	-6.7		
3343 Audio and video equipment 1.4 3.7 1.8 0.2 3.6 -7.7	3341	Computer and peripheral equipment	16.2	5.4	11.8	21.7	21.4	13.5	-3.0		
3344 Semiconductors and electronic components 12.8 7.2 18.1 22.7 9.4 -2.2	3342	Communications equipment	1.3	3.7	3.6	1.3	2.6	-11.1	-9.1		
Signature Sign	3343	Audio and video equipment	1.4	3.7	1.8	0.2	3.6	-7.7	-3.6		
3346 Magnetic media manufacturing and reproduction 3.6 1.2 5.8 -1.1 5.2 8.4 3351 Electric lighting equipment 0.0 -1.8 0.1 0.2 1.4 -3.2 3352 Household appliances 1.4 -0.1 2.4 0.9 2.6 -2.1 3353 Electrical equipment -0.3 0.4 1.6 -2.4 0.9 -4.5 3359 Other electrical equipment and components -0.4 -1.8 0.9 0.3 -0.5 -3.5 3361 Motor vehicles 0.1 0.2 -1.5 0.3 2.7 -5.7 3362 Motor vehicle bodies and trailers -0.6 -3.0 2.0 -2.0 0.5 -3.6 3363 Motor vehicle parts 0.6 -0.8 1.9 -0.3 1.6 -1.5 3364 Aerospace products and parts -0.9 -2.8 -1.7 -0.6 0.0 0.1 3365 Railroad rolling stock 0.6 2.2	3344	Semiconductors and electronic components	12.8	7.2	18.1	22.7	9.4	-2.2	-10.5		
Sast Electric lighting equipment 0.0 -1.8 0.1 0.2 1.4 -3.2	3345	Electronic instruments	0.2	1.6	-0.3	-4.3	3.3	0.2	1.2		
Household appliances	3346	Magnetic media manufacturing and reproduction	3.6	1.2	5.8	-1.1	5.2	8.4	2.2		
Sassa Electrical equipment Components Components	3351	Electric lighting equipment	0.0	-1.8		0.2	1.4	-3.2	-8.7		
3359 Other electrical equipment and components -0.4 -1.8 0.9 0.3 -0.5 -3.5 3361 Motor vehicles 0.1 0.2 -1.5 0.3 2.7 -5.7 3362 Motor vehicle bodies and trailers -0.6 -3.0 2.0 -2.0 0.5 -3.6 3363 Motor vehicle parts 0.6 -0.8 1.9 -0.3 1.6 -1.5 3364 Aerospace products and parts -0.9 -2.8 -1.7 -0.6 0.0 0.1 3365 Railroad rolling stock 0.6 2.2 -1.4 4.0 -1.6 2.6 3366 Ship and boat building -0.3 -0.2 -2.1 -0.4 0.0 2.6 3369 Other transportation equipment 1.4 -1.8 4.1 -1.0 4.1 -3.6 3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4		Household appliances				0.9	2.6	-2.1	-2.7		
Motor vehicles		·						-4.5	-9.1		
3362 Motor vehicle bodies and trailers -0.6 -3.0 2.0 -2.0 0.5 -3.6 3363 Motor vehicle parts 0.6 -0.8 1.9 -0.3 1.6 -1.5 3364 Aerospace products and parts -0.9 -2.8 -1.7 -0.6 0.0 0.1 3365 Railroad rolling stock 0.6 2.2 -1.4 4.0 -1.6 2.6 3366 Ship and boat building -0.3 -0.2 -2.1 -0.4 0.0 2.6 3369 Other transportation equipment 1.4 -1.8 4.1 -1.0 4.1 -3.6 3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399	3359	Other electrical equipment and components	-0.4	-1.8	0.9	0.3	-0.5	-3.5	-8.0		
3363 Motor vehicle parts 0.6 -0.8 1.9 -0.3 1.6 -1.5 3364 Aerospace products and parts -0.9 -2.8 -1.7 -0.6 0.0 0.1 3365 Railroad rolling stock 0.6 2.2 -1.4 4.0 -1.6 2.6 3366 Ship and boat building -0.3 -0.2 -2.1 -0.4 0.0 2.6 3369 Other transportation equipment 1.4 -1.8 4.1 -1.0 4.1 -3.6 3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8								-5.7	-6.0		
3364 Aerospace products and parts -0.9 -2.8 -1.7 -0.6 0.0 0.1 3365 Railroad rolling stock 0.6 2.2 -1.4 4.0 -1.6 2.6 3366 Ship and boat building -0.3 -0.2 -2.1 -0.4 0.0 2.6 3369 Other transportation equipment 1.4 -1.8 4.1 -1.0 4.1 -3.6 3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8		Motor vehicle bodies and trailers						-3.6	-4.4		
3365 Railroad rolling stock 0.6 2.2 -1.4 4.0 -1.6 2.6 3366 Ship and boat building -0.3 -0.2 -2.1 -0.4 0.0 2.6 3369 Other transportation equipment 1.4 -1.8 4.1 -1.0 4.1 -3.6 3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8								-1.5	-5.7		
Ship and boat building -0.3 -0.2 -2.1 -0.4 0.0 2.6									-4.1		
3369 Other transportation equipment 1.4 -1.8 4.1 -1.0 4.1 -3.6 3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8									-8.7		
3371 Household and institutional furniture -0.6 -0.5 0.7 -0.5 0.3 -6.5 3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8									2.3		
3372 Office furniture and fixtures -0.4 -2.6 0.2 1.9 0.8 -8.1 3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8	3369	Other transportation equipment	1.4	-1.8	4.1	-1.0	4.1	-3.6	-15.5		
3379 Other furniture-related products 0.6 0.1 0.6 -0.2 2.1 -2.4 3391 Medical equipment and supplies Other miscellaneous manufacturing 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8								-6.5	-13.1		
3391 Medical equipment and supplies 1.5 2.8 0.2 2.2 1.9 -0.2 3399 Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8									-15.4		
Other miscellaneous manufacturing 0.1 1.3 0.6 -0.1 0.9 -4.8 Transportation	3379	Other furniture-related products	0.6	0.1	0.6	-0.2	2.1	-2.4	-1.2		
Transportation		Medical equipment and supplies						-0.2	-3.6		
	3399	Other miscellaneous manufacturing	0.1	1.3	0.6	-0.1	0.9	-4.8	-8.6		
		Transportation									
								-0.6	-1.5		
482111 Line-Haul Railroads 1.9 4.4 4.1 1.1 1.1 -2.8	482111	Line-Haul Railroads	1.9	4.4	4.1	1.1	1.1	-2.8	-8.6		