



A Profile of the Advanced Manufacturing Industry In Kentucky



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Rick Hall
Kentucky Cabinet for Economic Development

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I. INTRODUCTION

Advanced Manufacturing

Overview

“The industrial competitiveness of U.S. (*and Kentucky*) manufacturers depends on their ability to reduce the time from product concept to market while decreasing product cost. This is as true for well-established ‘commodity’ industries, such as automotive and aerospace, as it is for rapidly growing or emerging industries, such as biotechnology and nanotechnology. Manufacturing is a critical step in realizing such reductions in product cycle time: for many industries and products, the rapid, low cost development of manufacturing processes is needed to create new materials with complex product shapes and higher performance at the same or lower cost as the competing, older materials and methods.” Advanced manufacturing is the name given to these endeavors.

(Source: National Institute of Standards and Technology: *Advanced Manufacturing Methods*, <http://www.nist.gov>)

Advanced manufacturing is almost a catchall phrase that can have as many definitions as experts asked to define it. It can include labor intensive processes, provided they use modern design and development techniques, and it can exclude businesses that many people would consider on the cutting edge of technology. Therefore, the exact definition of “advanced manufacturing” is so varied that even the experts can’t agree on a true definition of what it encompasses.

Based on an Occupational Employment Statistics survey compiled from employment data for the years 2000 – 2002, by the Bureau of Labor Statistics, “An industry is considered high tech if employment in technology-oriented occupations accounted for a proportion of that industry’s total employment that was at least twice the 4.9 percent average for all industries.” Given this criteria, the Kentucky Cabinet for Economic Development (KCED) has compiled a list of North American Industry Classification System (NAICS) codes that will be used to define advanced manufacturing. It should be remembered that these codes are not the complete listing of codes that may or may not include advanced manufacturing facilities but given the above mentioned criteria, they should cover the majority of advanced manufacturing businesses.

(Source: <http://www.bls.gov/oes>)

The list of NAICS codes (See Table 1) chosen by KCED includes thirty (30) codes ranging from four to six digits. As stated earlier, these codes, while encompassing many, but not all, of those associated with advanced manufacturing, will be the focus of this report. All indices, tables, and other information listed in this report will reflect data concerning only these codes.

1997 NAICS Code	INDUSTRY
32411	Petroleum Refineries
3251	Basic Chemical Manufacturing
3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing
3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing
3254	Pharmaceutical and Medicine Manufacturing
3255	Paint, Coating, and Adhesive Manufacturing
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing
3259	Other Chemical Product and Preparation Manufacturing
332992	Ordnance & Accessories Manufacturing - Small Arms Ammunition Manufacturing
332993	Ordnance & Accessories Manufacturing - Ammunition (except Small Arms) Manufacturing
332994	Ordnance & Accessories Manufacturing - Small Arms Manufacturing
332995	Ordnance & Accessories Manufacturing - Other Ordnance and Accessories Manufacturing
3331	Agriculture, Construction, and Mining Machinery Manufacturing
3332	Industrial Machinery Manufacturing
3333	Commercial and Service Industry Machinery Manufacturing
3336	Engine, Turbine, and Power Transmission Equipment Manufacturing
3339	Other General Purpose Machinery Manufacturing
3341	Computer and Peripheral Equipment Manufacturing
3342	Communications Equipment Manufacturing
3343	Audio and Video Equipment Manufacturing
3344	Semiconductor and Other Electronic Component Manufacturing
3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
3346	Manufacturing and Reproducing Magnetic and Optical Media
3353	Electrical Equipment Manufacturing
33599	All Other Electrical Equipment and Component Manufacturing
3361	Motor Vehicle Manufacturing
3362	Motor Vehicle Body and Trailer Manufacturing
3363	Motor Vehicle Parts Manufacturing
3364	Aerospace Product and Parts Manufacturing
3391	Medical Equipment and Supplies Manufacturing

Table 1: Bureau of Labor Statistics R&D Intensive High Technology Industries converted to NAICS

According to KCED data, there are 740 advanced manufacturing facilities located in Kentucky and they employ 99,027 people. These firms range in size from the tiny shops with two or three employees to large multinational corporations employing several thousand people. They also produce a wide variety of products that range from automobiles and electronics to pharmaceuticals and aircraft engines.

(Source: Kentucky Cabinet for Economic Development data as of February, 2009)

Although it has taken a beating over the last year, one of the leading advanced manufacturing industry subsectors not only in Kentucky but the nation as well is vehicle parts suppliers. “U.S. motor vehicle parts suppliers comprise the nation’s leading manufacturing sector, contributing to 4.5 million jobs nationwide and providing more jobs than any other sector in seven states, according to findings

of a landmark study of the industry by the Center for Automotive Research (CAR) for the Motor & Equipment Manufacturers Association (MEMA).” Motor vehicle parts suppliers are the top employers in seven states - Indiana, Kentucky, Michigan, Missouri, Ohio, South Carolina, and Tennessee. Nine other states report employment in excess of 15,000 jobs. These states are: Alabama, California, Georgia, Illinois, New York, North Carolina, Pennsylvania, Texas, and Wisconsin.

Many people think of outdated manual labor intensive procedures when they think of manufacturing, but that is not the case. According to a report released by the *Manufacturing Institute* in October, 2006, manufacturing is one of the leading industries in technological development. Among the developments made by manufacturing companies have been robotics, computer-assisted designs, radio frequency identification (RFID) and just-in-time inventory.

(Source: “The Facts About Modern Manufacturing.” *The Manufacturing Institute; National Association of Manufacturers*).

Manufacturing has been and continues to be good for the Commonwealth, and Kentucky’s manufacturing base is very competitive in meeting the challenges of a global economy. In 2005, manufacturing in general represented over 19% of the state’s gross domestic product and contributed more than \$27 billion dollars to the state’s economy. “Global conditions are changing. The competition is getting better at creating and deploying new knowledge. Information technologies are enabling rapid diffusion of knowledge, know-how, and advanced manufacturing capacity. Talent, technology, and capital are available globally.”

As the global economy becomes even more competitive, advanced manufacturing techniques and skills will become essential. Kentucky will continue to take the necessary steps to ensure the state’s competitive edge in this area. With its manufacturing base, low cost energy, commitment to educational excellence, competitive incentive program, an excellent workforce, commitment to innovation as witnessed through programs administered by the Department of Commercialization and Innovation (DCI), and a state government committed to economic growth, Kentucky looks to remain competitive not only in the short term but also for decades to come.

(Source: *The National Summit On Competitiveness, Investing in U.S. Innovation*, December 6, 2005).

(Source: “The Facts About Modern Manufacturing.” *The Manufacturing Institute; National Association of Manufacturers*).

**Table 2: Rankings for Kentucky and Competitor States--2006
Advanced Manufacturing (See NAICS Codes on Table 1)**

Competitor States	Total Employees (1)		Estimated Annual Wage		Total Business Establishments	
	Total Jobs	Rank	Wage	Rank	Establishments	Rank
United States	4,381,611	-	\$ 58,029	-	70,249	-
Alabama	75,126	21	\$ 44,235	39	872	25
Arkansas	37,243	32	\$ 35,766	48	531	34
Georgia	94,843	17	\$ 48,991	35	1,688	15
Illinois	212,489	6	\$ 54,539	23	3,481	3
Indiana	224,324	5	\$ 50,812	31	1,978	10
Kentucky	83,989	18	\$ 50,377	32	786	29
Michigan	274,462	3	\$ 59,091	15	3,078	6
Mississippi	28,412	34	\$ 39,648	45	453	36
Missouri	73,442	22	\$ 43,627	40	1,382	17
North Carolina	128,150	9	\$ 50,036	33	1,879	13
Ohio	270,865	4	\$ 53,704	26	3,470	4
South Carolina	81,109	19	\$ 48,856	36	825	26
Tennessee	120,990	12	\$ 47,758	37	1,251	18
Virginia	58,970	25	\$ 55,689	21	1,082	23
West Virginia	10,323	39	\$ 55,433	22	285	39

Source: Data derived from the United States Census Bureau, County Business Patterns 2006. The District of Columbia is not included.

NOTE: A ranking of one (1) is the highest ranking nationally.

Not all totals for each state and NAICS code were listed by the census bureau and variances may occur.

Note: The Number of Employees estimate is based on survey data for the week including March 12, 2006.

II. ECONOMIC IMPACT

Kentucky's advanced manufacturing exports have grown from \$8,529,107,680 in 2003 to \$14,050,021,817 in 2006 or nearly 65% in three years for an average growth of over 21% a year. These industries represent nearly 82% of the \$17,232,213,488 in total exports for the year 2006. The number one export for Kentucky in the advanced manufacturing industries was the transportation industry and that was followed by the chemicals industry. These two industries combined account for 76% of all advanced manufacturing exports and 56% of all exports for 2006.

Kentucky exports most of its advanced manufacturing products to Canada. In 2006, Kentucky exported \$4,749,955,065 of advanced manufacturing goods to Canada. France and Mexico were the next two nations receiving the most Commonwealth exports with \$1,428,063,514 and \$1,396,735,232 respectively of Kentucky advanced manufacturing products going to those nations. Japan and the United Kingdom round out the top five nations to which Kentucky advanced manufacturers exported their products. (See table 3)

According to U.S. Census Bureau data for the year 2006, advanced manufacturing industries in Kentucky had 786 total business establishments with 83,989 employees earning an average annual wage of \$50,377. (See table 4)

Table 3: Kentucky's Advanced Manufacturing Industries Top 15 Exporting Nations (2006 Data)

Nations (All NAICS Codes Included)	Exports	Rank
CANADA	\$ 4,749,955,065	1
FRANCE	\$ 1,428,063,514	2
MEXICO	\$ 1,396,735,232	3
JAPAN	\$ 824,959,963	4
UNITED KINGDOM	\$ 802,310,003	5
GERMANY	\$ 534,070,963	6
BRAZIL	\$ 527,054,994	7
NETHERLANDS	\$ 409,310,530	8
SINGAPORE	\$ 353,155,688	9
KOREA, REPUBLIC OF	\$ 346,037,238	10
CHINA (TAIWAN)	\$ 313,505,430	11
CHINA (MAINLAND)	\$ 302,334,631	12
BELGIUM	\$ 285,491,989	13
AUSTRIA	\$ 218,735,351	14
SWITZERLAND	\$ 177,977,456	15

Source: "Origin of Movement Series," Massachusetts Institute of Social and Economic Research, University of Massachusetts. Economic Impact data produced by the Kentucky Cabinet for Economic Development.

Since codes are three digits, it may contain some non-advanced manufacturing data.

Table 4: Kentucky's Advanced Manufacturing Industry (2006 Data)

Employees (1)	83,989
Average Annual Salary (2)	\$50,377
Number of Business Establishments (3)	786

1, 2, and 3. Data derived from the United States Census Bureau, County Business Patterns 2006. Note: All data use NAICS from Table 1. The District of Columbia data is not included.

Not all totals for each NAICS code were listed by the census bureau and variances may occur.

In 2006, the average annual wages for all industries in Kentucky were \$32,361. The average annual wages for advanced manufacturing employees in the Commonwealth were \$50,377. Lastly, the average annual wages for manufacturing in general were \$42,243. That meant that manufacturing's wages were 31% higher than the average wages in Kentucky. Advanced manufacturing on the other hand had wages that were 56% higher than the average annual wages for all industries and 19% higher than the wages for manufacturing in general. (See Table 5).

Table 5: 2006 Average Annual Wages

2006 Average Annual Wages For All Industries, Advanced Manufacturing and Manufacturing			
	All Industries	Manufacturing (31-33)	Advanced Manufacturing
U.S.	\$39,887	\$45,499	\$58,029
Kentucky	\$32,361	\$42,243	\$50,377

Data derived from the United States Census Bureau, County Business Patterns 2006. Note: All data use NAICS from Table 1. The District of Columbia data is not included.

Not all totals for each NAICS code were listed by the census bureau and variances may occur.

According to a report issued by KCED, 100 new manufacturing jobs in Kentucky create an additional 290 jobs for the state. Employers pay \$18,135,475 in wages for all 390 jobs. (Source: Information Composed by the Kentucky Cabinet of Economic Development with data gathered from other sources; February, 2009.)

Over the past few years, there has been a great deal of talk about companies outsourcing their production facilities overseas in order to take advantage of the cheaper labor offered by these nations. Even though many manufacturing companies have outsourced their facilities overseas, there are many job opportunities for people with skills needed for the advanced manufacturing process. According to a report written by Marty Nemko titled "Blue-Collar Silver Linings" and posted on March 2, 2006 on the *Business Week On-line* web site (www.businessweek.com), nationwide 80% of manufacturing companies located in the United States expect a shortage of SKILLED (emphasis ours) production workers such as machinists, craft workers and technicians. At the same time, 65% of these manufacturers reported current shortages of engineers and scientists.

Another position that has experienced real shortages is welders. With advanced manufacturing, welders no longer spend their careers doing mundane repetitive jobs that require wearing protective suits and masks. A welder in an advanced manufacturing firm may need to monitor several robotic welders and be able to troubleshoot any problems that might arise with these welders.

These shortages are expected to increase with the coming retirement of the baby boomers. Some experts have predicted a gap of 30 million people in the workforce by 2018 due to the estimate that 70 million baby boomers would have retired but only 40 million new workers would have entered the workforce. This dynamic alone will create an unprecedented need for skilled workers. (Source: Business Xpansion Journal Online, "A New Chapter for Manufacturing," Rachel Duran, February 1, 2007, <http://www.bxjonline.com>).

Kentucky will also experience a need for advanced manufacturing employees as the demand for many of these jobs grows at the same time the Commonwealth's baby boomers are retiring. As illustrated in Table 6, over the ten year period beginning in 2004 and ending in 2014, the demand for advanced manufacturing

jobs is expected to grow while the demand for traditional manufacturing jobs is expected to shrink. The sectors of advanced manufacturing leading the way will be medical, pharmaceuticals and automotive parts. Areas expecting a decline include metal fabrication, chemicals, electronics, and electrical and general purpose equipment manufacturing. Overall, the growth for advanced manufacturing employment is expected to increase 1.3% during those years while manufacturing in general is expected to decline by the same rate of 1.3%. (See Table 6).

During the ten year period from 2004 to 2014, advanced manufacturing jobs are not the only occupations that should experience growth. Many other occupations associated with advanced manufacturing are expected to grow during this time as well. Fortunately for advanced manufacturers, many occupations that are expected to grow during this time frame have skills that can be transferred to and utilized by advanced manufacturers. As illustrated in Table 7, there are numerous occupations that possess skills that can be related to advanced manufacturing as well as non-manufacturing related industries. Some of these occupations are in computers, mathematics, engineering, technical and mechanical occupations. Together these occupations are expected to produce an average of almost 10,000 openings a year in Kentucky during this time period.

Table 6: Estimated Growth for the Advanced Manufacturing Industry (2004 – 2014)

NAICS CODE	INDUSTRY	2004 Est. Employment	2014 Est. Employment	Total Change	% of Change	Growth Type
310000	Manufacturing	265,420	262,030	(3,390)	(1.3%)	Declining
325400	Pharmaceutical and Medicine Manufacturing	1,205	1,581	376	31.2%	Very Fast Growing
325500	Paint, Coating, and Adhesive Manufacturing	2,160	2,339	179	8.3%	Growing
333100	Agriculture, Construction, and Mining Machinery Manufacturing	2,196	2,553	357	16.3%	Growing
336300	Motor Vehicle Parts Manufacturing	31,019	35,924	4,905	15.8%	Growing
339100	Medical Equipment and Supplies Manufacturing	1,913	1,963	50	2.6%	Stable
325900	Other Chemical Product and Preparation Manufacturing	2,010	1,851	(159)	(7.9%)	Declining
332900	Other Fabricated Metal Product Manufacturing	3,094	2,315	(779)	(25.2%)	Declining
333200	Industrial Machinery Manufacturing	963	761	(202)	(21.0%)	Declining
333300	Commercial and Service Industry Machinery	725	508	(217)	(29.9%)	Declining

	Manufacturing					
333900	Other General Purpose Machinery Manufacturing	6,701	6,514	(187)	(2.8%)	Declining
334400	Semiconductor and Other Electronic Component Manufacturing	1,278	786	(492)	(38.5%)	Declining
335300	Electrical Equipment Manufacturing	3,352	2,253	(1,099)	(32.8%)	Declining
335900	Other Electrical Equipment and Component Manufacturing	3,352	2,562	(790)	(23.6%)	Declining
Grouped NAICS Codes	See Note Below	36,959	36,319	(640)	(1.7%)	Declining
	MANUFACTURING TOTALS	265,420	262,030	(3,390)	(1.3%)	Declining
	ADVANCED MAN. TOTALS	96,927	98,229	1,302	1.3%	Stable

Source: Kentucky Office of Employment and Training, Industry Employment Projections, Occupational Projections.
NAICS Codes 3346 and 3341 are not available.
Grouped NAICS Codes include 3241, 3251, 3252, 3253, 3256, 3336, 3342, 3343, 3345, 3361, 3362 and 3364.
Combination of codes due to disclosure laws affecting the industry or sub-industry.

Table 7: Estimated Growth for Occupations Associated with the Advanced Manufacturing Industry (2004 – 2014)

Occupation Associated with Advanced Man.	2004 Est. Employment	2014 Est. Employment	Total Change	Total % of Change	Growth Type	(1) Total Est. Ann. Openings
Computer and Mathematical Occupations	25,428	31,981	6,553	25.8%	Very Fast Growing	1,001
Computer Specialists	24,859	31,370	6,511	26.2%	Very Fast Growing	981
Computer Software Engineers, Applications	3,311	4,464	1,153	34.8%	Very Fast Growing	148
Computer Software Engineers, Systems Software	1,090	1,481	391	35.9%	Very Fast Growing	50
Biomedical Engineers	60	78	18	30.0%	Very Fast Growing	3
Computer and Information Systems Managers	2,614	3,204	590	22.6%	Fast Growing	107
Computer Support Specialists	5,501	6,656	1,155	21.0%	Fast Growing	184
Computer Systems Analysts	4,207	5,144	937	22.3%	Fast Growing	142
Environmental Engineers	276	336	60	21.7%	Fast Growing	11
Industrial Engineering Technicians	584	720	136	23.3%	Fast Growing	26
General and Operations Managers	28,060	31,980	3,920	14.0%	Growing	921
Engineering Managers	1,955	2,176	221	11.3%	Growing	61

Computer Specialists, All Other	878	1,020	142	16.2%	Growing	24
Mathematical Scientists	569	611	42	7.4%	Growing	19
Architecture and Engineering Occupations	24,670	27,089	2,419	9.8%	Growing	839
Engineers	13,223	14,569	1,346	10.2%	Growing	451
Electrical Engineers	974	1,050	76	7.8%	Growing	27
Electronics Engineers, Except Computer	565	619	54	9.6%	Growing	16
Industrial Engineers	3,057	3,558	501	16.4%	Growing	124
Mechanical Engineers	2,815	3,204	389	13.8%	Growing	116
Engineers, All Other	1,184	1,309	125	10.6%	Growing	36
Electrical and Electronic Engineering Technicians	2,209	2,446	237	10.7%	Growing	70
Mechanical Engineering Technicians	357	396	39	10.9%	Growing	12
Supervisors of Installation, Maintenance, and Repair Workers	9,123	10,078	955	10.5%	Growing	325
First-Line Supervisors/Managers of Mechanics, Installers,						
Electrical and Electronic Equipment Mechanics, Installers	7,543	8,186	643	8.5%	Growing	211
Electric Motor, Power Tool, and Related Repairers	390	429	39	10.0%	Growing	13
Electrical and Electronics Repairers, Commercial and Industry	1,002	1,079	77	7.7%	Growing	30
Maintenance Workers, Machinery	1,090	1,215	125	11.5%	Growing	38
Team Assemblers	35,031	38,587	3,556	10.2%	Growing	1,262
Machinists	4,681	5,145	464	9.9%	Growing	155
Multiple Machine Tool Setters, Operators, and Tenders, Metal	3,951	4,261	310	7.8%	Growing	140
Welders, Cutters, Solderers, and Brazers	6,542	7,271	729	11.1%	Growing	258
Welding, Soldering, and Brazing Machine Setters, Operators	2,543	2,848	305	12.0%	Growing	103
Electro-Mechanical Technicians	29	30	1	3.4%	Stable	1
Engineering Technicians, Except Drafters, All Other	759	794	35	4.6%	Stable	22
Chemists	566	572	6	1.1%	Stable	20
Materials Scientists	36	37	1	2.8%	Stable	1
Agricultural and Food Science Technicians	261	277	16	6.1%	Stable	7
Industrial Machinery	6,963	7,264	301	4.3%	Stable	170

Mechanics						
Supervisors, Production Workers	13,583	14,488	905	6.7%	Stable	376
First-Line Supervisors/Managers of Production and Operating	13,583	14,488	905	6.7%	Stable	376
Computer-Controlled Machine Tool Operators, Metal and Plastic	2,804	2,973	169	6.0%	Stable	63
Drilling and Boring Machine Tool Setters and Operators	1,167	1,223	56	4.8%	Stable	40
Extruding, Forming, Pressing, and Compacting Machine Setters	2,242	2,307	65	2.9%	Stable	66
Computer Programmers	3,325	3,233	(92)	(2.8%)	Declining	79
Chemical Engineers	495	472	(23)	(4.6%)	Declining	15
Materials Engineers	196	186	(10)	(5.1%)	Declining	5
Chemical Technicians	813	792	(21)	(2.6%)	Declining	20
Computer Operators	1,097	719	(378)	(34.5%)	Declining	23
Electrical and Electronic Equipment Assemblers	1,632	1,310	(322)	(19.7%)	Declining	39
Extruding and Drawing Machine Setters, Operators, and Tenders	2,663	2,284	(379)	(14.2%)	Declining	89
Cutting, Punching, and Press Machine Setters, Operators	6,037	5,203	(834)	(13.8%)	Declining	140
Chemical Plant and System Operators	1,698	1,480	(218)	(12.8%)	Declining	53
Chemical Equipment Operators and Tenders	819	765	(54)	(6.6%)	Declining	26
TOTALS	290,233	325,535	35,302	1.22%	Stable	9,860

Source: Kentucky Office of Employment and Training, Industry Employment Projections, Occupational Projections.

Note: 1 – Total Estimated Annual Growth includes openings due to growth and openings due to replacements of retiring workers.

**Major Advanced Manufacturing Industry Employers in Kentucky
(500 or more employees) February 2009 Data**

Facility Name	Employment
Toyota Motor Manufacturing Kentucky	7,000
Ford Motor Co. Kentucky Truck Plant	3,500
Lexmark International, Inc.	3,130
Ford Motor Co. Louisville Assembly Plant	2,100
L-3 Communications Integrated Systems	1,412
General Motors Corp.	1,100
AKEBONO Brake (Elizabethtown)	1,000
Bowling Green Metalforming, Inc	1,000
Montaplast of North America	927
Huish Detergents, Inc.	881
TG Kentucky LLC	850
Tokico (USA), Inc.	839
Catlettsburg Refining LLC	837
GE Aircraft Engine Div.	800
Webasto Roof System	770
Toyotetsu America, Inc.	750
NACCO Materials Handling Group	740
Hitachi Automotive Products USA	737
Dana Corporation Structural Solutions Group	700
TG Automotive Sealing Kentucky	689
Berry Plastics	675
Johnson Controls Inc. Automotive Seating Div.	660
AKEBONO Brake (Glasgow)	640
Briggs & Stratton Corp.	585
Aisin Automotive Casting, LLC	582
Curtis-Maruyasu America, Inc.	580
Cooper Standard Automotive	575
Johnson Controls, Georgetown Plant	570

Source: Kentucky Cabinet for Economic Development.

Table 8: Composition of Kentucky's Advanced Manufacturing Industry 2006

NAICS (1)	Industry Description	Number of Employees (2)	Estimated Annual Wage	Total Business Establishments
32411	Petroleum Refineries	N/A	N/A	5
325	Chemical Manufacturing	13,594	\$61,178	177
332992	Ordnance & Accessories Manufacturing - Small Arms Ammunition Manufacturing	N/A	N/A	2
332993	Ordnance & Accessories Manufacturing - Ammunition (except Small Arms) Manufacturing	N/A	N/A	1
332994	Ordnance & Accessories Manufacturing - Small Arms Manufacturing	N/A	N/A	4
332995	Ordnance & Accessories Manufacturing - Other Ordnance and Accessories Manufacturing	N/A	N/A	1
3331	Agriculture, Construction, and Mining Machinery Manufacturing	2,001	\$43,450	37
3332	Industrial Machinery Manufacturing	605	\$47,355	36
3333	Commercial and Service Industry Machinery Manufacturing	1,044	\$34,799	18
3336	Engine, Turbine, and Power Transmission Equipment Manufacturing	1,995	\$40,659	10
3339	Other General Purpose Machinery Manufacturing	6,166	\$44,974	92
3341	Computer and Peripheral Equipment Manufacturing	N/A	N/A	5
3342	Communications Equipment Manufacturing	N/A	N/A	7
3343	Audio and Video Equipment Manufacturing	N/A	N/A	6
3344	Semiconductor and Other Electronic Component Manufacturing	1,060	\$29,267	17
3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	N/A	N/A	20
3346	Manufacturing and Reproducing Magnetic and Optical Media	N/A	N/A	2
3353	Electrical Equipment Manufacturing	2,648	\$39,991	34
33599	All Other Electrical Equipment and Component Manufacturing	N/A	N/A	4
3361	Motor Vehicle Manufacturing	18,025	\$72,683	12
3362	Motor Vehicle Body and Trailer	2,045	\$31,979	22

	Manufacturing			
3363	Motor Vehicle Parts Manufacturing	31,465	\$38,731	153
3364	Aerospace Product and Parts Manufacturing	1,316	\$59,513	10
3391	Medical Equipment and Supplies Manufacturing	2,025	\$39,332	111

Source: Data derived from the United States Census Bureau, County Business Patterns 2006.

1. Note: All data is NAICS based.

2. Note: The Number of Employees estimate is based on survey data for the year ending December 31, 2006.

3. Not all totals for each NAICS code were listed by the census bureau and variances may occur.

One area of concern over the last few years has been the reduction in domestic jobs and the outsourcing of these jobs to overseas facilities. Although this has been the case in many industries, with manufacturing being one of them, it has not been the case in all industries. From 1998 to 2006, the manufacturing industry in general and the advanced manufacturing industry in particular have lost jobs nationwide (See Table 9). During this period, Kentucky has lost manufacturing jobs as has most of the nation. As for Advanced manufacturing jobs, the Commonwealth has also lost them as well, but at a rate much lower than the nation as a whole. Given the uncertainty of the global economy, it is nearly impossible to predict the trends that may happen over the next decade.

The data for the advanced manufacturing industry was taken from the NAICS codes on Table 1. The NAICS codes used are listed below the table. The manufacturing data was taken using only NAICS code 310000 (See Table 9). (Source: U. S Census Bureau North American Industry Classification System (NAICS))

Table 9: Job Trend Comparison of Competitor States for Advanced Manufacturing and Manufacturing

Job Trend Comparison of Competitor States For Advanced Manufacturing and Manufacturing (1998 - 2006)								
	Advanced Manufacturing Trends				Manufacturing Trends			
	Number of Employees	Employees	Total Change	% of Change	Number of Employees	Employees	Total Change	% of Change
STATE	1998	2006			1998	2006		
United States	3,681,272	2,566,024	(1,115,248)	(30%)	16,945,834	13,629,965	(3,315,869)	(20%)
Alabama	44,800	33,119	(11,681)	(26%)	352,422	291,239	(61,183)	(17%)
Arkansas	42,685	24,521	(18,164)	(43%)	232,671	200,622	(32,049)	(14%)
Georgia	65,347	50,532	(14,815)	(23%)	535,051	430,697	(104,354)	(20%)
Illinois	221,550	108,346	(113,204)	(51%)	883,472	666,711	(216,761)	(25%)
Indiana	187,833	158,324	(29,509)	(16%)	635,658	557,359	(78,299)	(12%)
Kentucky	56,975	54,683	(2,292)	(4%)	290,665	256,670	(33,995)	(12%)
Michigan	290,414	201,749	(88,665)	(31%)	828,751	614,888	(213,863)	(26%)
Mississippi	37,333	23,252	(14,081)	(38%)	230,175	172,656	(57,519)	(25%)
Missouri	83,096	48,684	(34,412)	(41%)	382,003	305,447	(76,556)	(20%)
North Carolina	129,893	91,119	(38,774)	(30%)	771,282	535,689	(235,593)	(31%)
Ohio	271,870	181,359	(90,511)	(33%)	994,788	787,946	(206,842)	(21%)
South Carolina	74,579	46,171	(28,408)	(38%)	343,295	263,605	(79,690)	(23%)
Tennessee	86,019	98,960	12,941	15%	482,811	393,385	(89,426)	(19%)
Virginia	49,743	37,163	(12,580)	(25%)	368,397	289,176	(79,221)	(22%)
West Virginia	5,295	17,803	12,508	236%	74,424	63,832	(10,592)	(14%)

Source: Data derived from the United States Census Bureau, County Business Patterns (1998 – 2006). The District of Columbia Data is not included.

NOTE 1: Some of the data may be incomplete due to incomplete data for various states and occupations over the years.

NOTE 2: NAICS Codes for Advanced Manufacturing (3100, 3254, 3255, 3259, 3329, 3331, 3332, 3333, 3339, 3344, 3353, 3359, 3363, 3391). Manufacturing NAICS code 3100.

The Location Quotient (LQIT) for Kentucky as compared to the United States for the following industries (manufacturing and advanced manufacturing) is listed below. All data were taken from Table 9 shown above.

Location Quotient (LQit) Formula

$$LQit = (Mi/Mt) / (USi/USSt)$$

Where:

Mi = industry employment for the region

Mt = total employment for the region

USi = industry employment for the nation

USSt = total employment for the nation

An LQ of 1.0 for an industry indicates that there is an average concentration for a particular region. An LQ below 1.0 indicates that the industry is relatively under represented in that region. An LQ above 1.0 indicates a concentration for that industry in the region. AN LQ of 1.2 or greater illustrates that the state has a specialization in that industry.

LQit for Kentucky Manufacturing in 2006:

$$Mi = 256,670$$

$$Mt = 1,552,012$$

$$USi = 13,629,965$$

$$USSt = 119,407,589$$

$$LQit (\text{Manufacturing}) = (256,670/1,552,012) \div (13,629,965/119,407,589)$$

$$LQit (\text{Manufacturing}) = (0.1654) \div (0.1141)$$

$$LQit (\text{Manufacturing}) = \mathbf{1.45}$$

LQit for Kentucky Advanced Manufacturing in 2006:

$$Mi = 54,683$$

$$Mt = 1,552,012$$

$$USi = 2,566,024$$

$$USSt = 119,407,589$$

$$LQit (\text{Adv. Manu.}) = (54,683/1,552,012) \div (2,566,024/119,407,589)$$

$$LQit (\text{Adv. Manu.}) = (0.0352) \div (0.0215)$$

$$LQit (\text{Adv. Manu.}) = \mathbf{1.64}$$

Kentucky exhibits a specialization both in manufacturing and advanced manufacturing industries when compared to the nation as a whole.

III. INDUSTRY RESOURCES

Automotive Manufacturing Technical Education Collaborative (AMTEC)

Kentucky Community and Technical College System, 300 N. Main Street, Versailles, KY 40838. Telephone: (859) 256-3382, fax (859) 256-3126. <http://amtec.autoworkforce.org>

AMTEC is an affiliation of 8 states, 12 community and technical colleges and 18 automotive companies that work together to address the future workforce needs of the automotive industry. Two of the college partners are the Jefferson Community and Technical College in Louisville, and the Georgetown Campus of the Bluegrass Community and Technical College. Two of the AMTEC company partners are Ford Louisville and Toyota in Georgetown and Erlanger.

AMTEC advances state of the art education and training for skilled trades people and related faculty. They help to develop innovative assessment and testing services designed to enhance employability and career advancement. They act as research and development centers for instructional practices and applications of technology. In addition, they also disseminate teaching materials and strategies to other educational institutions. AMTEC has been successful in helping automotive manufacturers retain or replace retiring employees. They help shorten the training gap between new hires and production capabilities. Safety training and people skills are some of the other tools they use to ensure the smooth transition of new employees.

Battelle Science & Technology International

505 King Avenue, Columbus, Ohio 43201. Telephone: (800) 201-2011

Battelle is a global science and technology enterprise that develops and commercializes technology and manages laboratories for customers. Headquartered in Columbus, Ohio, Battelle has a vast science and technology reach. With the company's national labs they manage or co-manage, they oversee 20,000 staff members and conduct \$3.7 billion in annual research and development. <http://www.battelle.org>.

Bluegrass State Skills Corporation

The Bluegrass State Skills Corporation (BSSC), www.thinkkentucky.com/bssc/, was established in 1984 by the General Assembly as an independent, de jure corporation to stimulate economic development through programs of skills training. The Bluegrass State Skills Corporation promotes and improves employment opportunities for Kentucky's residents. BSSC creates partnerships with businesses and industries through training grants and investment credits for skills training programs. BSSC is attached to the Cabinet for Economic Development for administrative purposes and in recognition of the relationship between economic development and skills training efforts.

Center for Automotive Research (CAR)

1000 Victors Way, Suite 200, Ann Arbor, MI 48108, Telephone: (734) 662-1287, Fax: (734) 662-5736. <http://www.cargroup.org>

The Center for Automotive Research, a nonprofit organization, is focused on a wide variety of important trends and changes related to the automobile industry and society at the international, federal, state and local levels.

Heavy Duty Manufacturers Association (HDMA) (See MEMA)

10 Laboratory Drive, PO Box 13966, Research Triangle Park, NC 27709-3966, Telephone: (919) 406-8808, Fax: (919) 549-4824. <http://www.hdma.org>

The HDMA was established in 1983 to meet heavy duty product manufacturers' need for a national association dedicated to their specific interests. HDMA is the only organization in the heavy duty sector today dedicated exclusively to heavy duty manufacturers.

The Kentucky Association of Manufacturers

2303 Greene Way, Louisville, KY 40220, Telephone: (502) 491-4737 Fax: (502) 491-5322. <http://www.aik.org>

Since 1911, Kentucky Association of Manufacturers (KAM) has aggressively fought for the interests of Kentucky employers before the General Assembly, in the Governor's Office, state agencies and the courts. In short, KAM is dedicated to advancing the employers' point of view on issues that affect manufacturer's cost of doing business.

Kentucky Community & Technical College System (KCTCS)

300 North Main Street, Versailles, KY 40383. Telephone: (859) 256-3100, <http://www.kctcs.net>.

The Kentucky Community and Technical College System is comprised of 16 colleges and 67 campuses. Its ambitious agenda is to improve the quality of life of Kentuckians by expanding opportunities provided by the state's two-year public colleges. KCTCS is making higher education more accessible, more relevant and more responsive to citizen, employer and community needs.

Kentucky Manufacturing Assistance Center (KMAC)

3151 Beaumont Centre Circle, Ste. 110, Lexington, KY 40513, Telephone (859) 252-7801, www.kmac.org

KMAC specializes in on-site training and implementation of best manufacturing practices such as Lean, Six Sigma, quality management systems, employee and leadership development, strategic planning, and business growth planning. KMAC's team of experienced manufacturing professionals has helped companies across Kentucky realize dramatic improvements in their operations

including reduced lead times, increased throughput, improved quality, reduced costs, higher revenues, improved profitability and a stronger workforce.

KMAC is a private, not-for-profit organization that is affiliated with the nationwide Manufacturing Extension Partnership (MEP) program funded by the National Institute of Standards and Technology.

Motor and Equipment Manufacturers Association (MEMA) (See HDMA)

10 Laboratory Drive, PO Box 13966, Research Triangle Park, NC 27709-3966, Telephone: (919) 406-8808, Fax: (919) 549-4824. <http://www.mema.org>.

Since 1904, MEMA has exclusively represented and served manufacturers of motor vehicle components and systems for the original equipment (OE) and aftermarket segments of the light vehicle and heavy duty industries.

The National Association of Manufacturers

1331 Pennsylvania Ave., NW, Washington, DC 20004-1790.

Telephone: (202) 637-3000 Fax: (202) 637-3182, <http://www.nam.org>

Established in 1895, the National Association of Manufacturers (NAM) is the nation's largest industrial trade association. The Manufacturing Institute is the research and education arm of the NAM. NAM's mission is to advocate on behalf of its members to enhance the competitiveness of manufacturers by shaping a legislative and regulatory environment conducive to U.S. economic growth and to increase understanding among policymakers, the media and the general public about the vital role of manufacturing in America's economic and national security for today and in the future.

National Council for Advanced Manufacturing (NACFAM)

2000 L Street, NW Suite 807, Washington, DC 20036, Telephone: (202) 429-2220 / Fax: (202) 429-2422. <http://www.nacfam.org>

The National Council for Advanced Manufacturing (NACFAM) is an industry-led, policy research organization, working collaboratively since 1989 with key leaders from industry, education, and government, to shape public policies and programs to make U.S. manufacturing globally competitive.

National Institute of Standards and Technology

100 Bureau Drive, Stop 1070, Gaithersburg, MD 20899-1070. Telephone: (301) 975-6478. <http://www.nist.gov>

Founded in 1901, NIST is a non-regulatory federal agency within the U.S. [Commerce Department's Technology Administration](#). NIST's mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

University of Kentucky Center for Manufacturing

UK Center for Manufacturing, 220 CRMS Building, UK College of Engineering
Lexington, Kentucky 40506-0108, Telephone: (859) 257-6262, Fax: (859) 323-
1035. <http://www.mfg.uky.edu>

The UK Center for Manufacturing is the premier source of manufacturing technological assistance for Kentucky's industries, providing service to approximately 350 companies, entrepreneurs, and agencies annually. The center conducts manufacturing research, transfers manufacturing technology to industry, and supports educational efforts in manufacturing. Currently funded with an annual budget of \$2.6 million, the center generates external funding to support its research activities from federal and state agencies, foundations, and corporations. Since 1993, the center has received \$3.65 million in grants and contracts.

IV. BUSINESS CLIMATE

Kentucky offers a wide range of opportunities for a profitable investment in all business sectors. Kentucky ranked 9th in the 2008 *Site Selection* Governor's Cup awarded annually to U.S. states with the most new and expanded facilities, and it has the smallest population of any state in the top 10. *Site Selection* also ranked Kentucky 10th in the magazine's list of states with the most new and expanded facilities from 2006 to 2008. Kentucky has a strong industrial base driven by massive resources of water, low-cost electric power, and reasonably priced barge, rail, and truck transportation.

- Kentucky ranked 4th nationally in the 2007 *Site Selection* Competitiveness Award. The award is based on 10 quantifiable criteria that measure business expansion activity that took place in the previous calendar year. The indexing system puts all states on a level playing field. (*Site Selection*, May 2008).
- In *Site Selection* magazine (November 2008), Kentucky ranked 12th in their 2008 Annual Business Climate Rankings. In addition to expansion activity, equal weight is given to a state's overall rank based on the results of a survey of corporate real estate executives, in which they were asked to rank their top 10 states according to ease of doing business, overall business costs and related factors. Kentucky placed 4th for expansion activity per million citizens.
- For 2008, the Cincinnati/Northern Kentucky region placed 4th nationwide for the number of new projects for metro areas with a population over 1,000,000. Bowling Green and Owensboro tied for 8th place for metros with populations under 200,000 (*Site Selection*, March 2009).

- Nine Kentucky communities ranked in *Site Selection's 2008 Top 100 U.S. Micropolitans* for new and expanded facilities expansions in 2008. The communities are Frankfort (T14), Paducah (T26), Danville (T41) Glasgow (T41), Madisonville (T41), Campbellsville (T65), Murray (T65), Somerset (T65) and Fulton/Union City (KY/TN) (T65). (*Site Selection*, March 2009).
- Kentucky tied for 5th for the 2008 Top States with Most Micropolitans in Top 100 with 9 Micropolitan areas. (*Site Selection*, March 2009).
- Kentucky's industrial power costs are the 2nd lowest when compared to states east of the Mississippi River and are over 34 percent lower than the U.S. average. (Source: Energy Information Administration/Electric Power Annual 2006.)
- For 2008, the [Center for Digital Government](#) ranks Kentucky as seventh most digitally-advanced state government in the nation. The [Digital States Survey](#) is a comprehensive study that examines best practices, policies, and progress of state governments in their use of digital technologies to better serve citizens and streamline operations. The survey contains more than 70 measurements in four areas: service delivery, architecture and infrastructure, collaboration, and leadership.
- Kentucky has some of the most innovative business development programs in the nation to encourage business investments and expansions, including a wide range of tax exemptions and financing. *Site Selection's* rankings of Kentucky among the topmost states in job creation for the last several years support Kentucky's position as an attractive state for both new and expanding business.
- Kentucky modernized its tax structure to make it even more business friendly. It lowered its top corporate tax rate from 8.25% to 6.0%. It eliminated the intangible and franchise taxes.
- *Expansion Management* magazine's August 2007 issue ranked Kentucky's Workforce Training Programs, which includes the Bluegrass State Skills Corporation (BSSC), 5th in the U.S. For the 5th consecutive year, Kentucky has ranked in the top ten, placing 8th in 2006, 3rd in 2005, 5th in 2004 and 8th in 2003. The ranking considered the programs' efforts in facilitating customized business and industry training services for new, expanding and existing companies. Programs were judged in terms of financial value, ease of usage and applicability.
- Kentucky ranked 9th in the 2008 *Site Selection* Governor's Cup awarded annually to U.S. states with the most new corporate facilities and expansions. Kentucky has the smallest population of any of the states in the top 10. (*Site Selection*, March 2009).

- Kentucky ranked 12th in the 2007 *Site Selection* magazine list of top states with the most new corporate facilities and expansions from 2006 to 2008. (*Site Selection*, March 2008).
- Kentucky ranked 3rd in U.S. total light vehicle production for 2007 with 1,046,531 vehicles produced and about a 10% market share. (Source: *Automotive News 2008 Market Data Book*.)
- Kentucky's airports can compete with any in the world. According to *Airports Council International*, the Louisville International Airport ranks as the 3rd busiest cargo airport in North America. It ranks 9th busiest in the world. (August, 2008).
- Kentucky is located in the center of eastern U.S. industrial and consumer markets, with its borders within 600 miles of 60% of the nation's population, personal income, and manufacturing business establishments.
- Kentucky is at the highway crossroads of the Canada to Florida I-75 route, extending from the Great Lakes to the Gulf of Mexico, and the St. Louis to Norfolk I-64 route, which stretches from the Mississippi River to the Atlantic Seaboard.
- The Reason Foundation ranked Kentucky's highways as the 9th most efficient in the nation in its 17th *Annual Performance of State Highway Systems* report. The cost effectiveness for each state is computed by averaging its 12 performance ratios (ratio of each state's statistic to the national average, for 5 financial measures and 7 condition measures), then ranking the states. The report was released in July 31, 2008 and compared the state highway systems from 1984 to 2006.
- Kentucky has one of the lowest overall costs of doing business in the United States (See Table 10 below) according to Regional Financial Associates (Economy.com). Regional Financial Associates publishes the *North American Business Cost Review*, which determines the cost of doing business within a state by measuring unit labor costs, energy costs, and state and local taxes. Kentucky ranks as the 15th lowest state for the overall cost of doing business in the United States. According to this index, the overall cost of doing business is eight percent (8%) below the U.S. average, and with respect to the cost of energy, Kentucky is significantly below the national average. (Source: *North American Business Cost Review – 14th Edition*, updated in July 2008).
- *Inc.* magazine's list of 2008 Boomtowns – 393 hot cities for entrepreneurs – includes five Kentucky communities on its Overall Best Cities for Doing Business is Bowling Green (49). The Best Small-Sized Cities for Doing

Business includes Bowling Green (32) and Elizabethtown (97). The Best Medium-Sized City is Lexington-Fayette County (55), (May 2008).

- In *Expansion Management* magazine's 2007 *Quality of Life Quotient Rankings*, Lexington-Fayette County and Owensboro ranked as *5-Star Quality of Life Metros* while Cincinnati-Middletown (OH-KY-IN), Bowling Green, Louisville and Henderson-Evansville (KY-IN) ranked as *4-Star Quality of Life Metros* (June 2007).
- Kentucky ranked 22nd in the nation for having the lowest *Business Taxes as a Share of State, Local, and Total and Private Sector GSP, FY 2006* according to a study released in February 2007 by Ernst and Young (<http://www.ernst-young.com>) and titled: *Total State and Local Business Taxes, 50-State Estimates for Fiscal Year 2006*. Kentucky had a total share of 4.9% which was lower than the national average of 5.1%.

Table 10: Competitor States Business Cost: 2006

Kentucky's Competitor States	Overall Rank		Unit Labor Cost		Energy Index		State & Local Taxation	
	Index	Rank	Index	Rank	Index	Rank	Index	Rank
United States	100	-	100	-	100	-	100	-
Kentucky	93	15	97	23	69	7	91	13
Alabama	95	21	98	25	84	23	75	1
Arkansas	89	5	90	5	77	13	95	25
Georgia	96	22	99	29	86	25	90	12
Illinois	100	33	104	43	83	22	95	25
Indiana	89	5	90	5	79	15	92	16
Michigan	104	39	104	43	97	31	103	36
Mississippi	93	15	93	12	97	31	91	13
Missouri	93	15	98	25	68	5	86	7
North Carolina	84	2	81	2	80	18	93	18
Ohio	98	28	95	18	91	29	113	46
South Carolina	96	22	95	18	81	19	93	18
Tennessee	89	5	90	5	86	25	79	2
Virginia	94	20	98	25	70	9	87	9
West Virginia	92	12	93	12	60	2	117	49

Source: Derived from data provided by the *North American Business Cost Review*, 14th Edition, Prepared by Economy.com, Inc.--Updated July 2008. Note: A ranking of 1 represents the best condition = lowest business cost.

V. FACILITIES

Facility Name	Product Description	Employment
Annville		
JC Tec Industries	Injection molded plastic parts, assemblies, and wire & harness boards, military tent stakes and tent lanyards, portable furniture.	18
Ashland		
Air Products & Chemicals, Inc.	Industrial oxygen, nitrogen & liquid argon gases.	16
Ashland Prosthetics & Orthotics Services	Prosthetic & orthotic devices.	5
Auburn		
Caldwell Industries, Inc.	Extruded sheet and profile plastic and die cut non-metallic materials.	40
Augusta		
Clopay Plastic Products Co.	Surgical supplies, patient care products, polyethylene & polypropylene film, and residential and commercial garage doors.	283
Barbourville		
Jackson MSC, Inc.	Commercial dishwashers.	225
Truseal Technologies	Sealants for insulated glass windows.	185
Bardstown		
B G Machine Inc	Machine shop: lathe & mill work; CNC, NC & precision machining; surface grinding; arc, gas, MIG, TIG & heliarc welding; drilling, boring & cutting/custom equipment.	20
Intertec Systems LLC	Automotive instrument panels and consoles.	150
Johnan America, Inc.	Automotive door window regulators and sunroof units.	60
Mitsuba Bardstown, Inc.	Windshield wiper, power window and cooling fan motors; cruise control devices.	307
NPR Manufacturing Kentucky LLC	Manufacture and sell piston rings for vehicles.	79
ORBIS Materials Handling, Inc.	Collapsible containers.	123
Tower Automotive Bardstown, Inc.	Metal and automotive stampings and assemblies.	462
Trim Masters, Inc.	Automotive door trim.	367
Beaver Dam		
Daicel Safety Systems America LLC	Inflators for automotive airbags.	470
Ritatsu Manufacturing, Inc.	Small motor vehicle metal stamping parts.	91
Belfry		
Eastern Products, Inc.	Mining equipment parts & rebuilding service.	15
Bellevue		
Thompson Enamel, Inc.	Powdered glass colors (enamels) & enameling accessories, small kilns, trivets, spatulas, sifters, scribes, copper bowls, ashtrays, plates-stampings, and flat copper shapes.	24
Benton		
Pro Equipment Co.	Car wash equipment.	20
Berea		

Berea Tool & Cutter Grinding	Tool and die, cutting, grinding, fixture, prototype, fabricating, machining and repair work.	9
Bluegrass Wire Technologies	Fork lift industry electrical wiring harnesses.	25
KI-USA Corp	Machined, metal stamped & cationic painted automotive parts & components, arc & resistance welding.	330
Motor Wheel Commercial Vehicle Systems	Commercial highway truck and trailer hubs and brake drums.	90
NACCO Materials Handling Group	Lift trucks.	740
PPG Industries, Inc.	Replacement windshields.	124
Tokico (USA), Inc.	Manufacture and assembly of brake and suspension systems. Processes include machining, plating, painting, welding and assembly.	839
Bonnieville		
Oscarware, Inc	Disposable outdoor barbecue cookware (recyclable expanded aluminum). Porcelain coated steel outdoor barbecue cookware Outdoor camping rings. Porcelain coated griddles and other such equipment.	45
Bowling Green		
Airgas Inc.	Inert gas bottling. Distributor of welding gases and supplies, as well as technical support for machinery.	52
American Howa Kentucky, Inc.	Manufactures dash insulators and headliners for the automotive industry.	31
Bando USA Inc.	Automotive power transmission & industrial V-belts.	165
Bendix Spicer Foundation Brake LLC	Design, develop, manufacture and distribute products used in air brake systems for commercial vehicles.	173
Bowling Green Metalforming LLC	Automotive parts.	1000
Cannon Automotive Solutions	Individual component stamping for truck frames	30
C G S Machine & Tool, Inc.	Specialty machinery, tool & die, spare parts, production runs.	40
Dynastrosi Laboratories LLC	Manufacture wind turbine, R&D and prototyping.	4
Engineered Polymer Solutions Inc.	Manufacturer of coatings for steel & aluminum products.	81
General Motors Corp.	Automobile assembly – Chevrolet, Corvette and Cadillac XLR.	1,100
Hennessy Industries, Inc.	Manufacture of wheel balances and weights.	125
Holley Performance Products	Automotive, marine parts & accessories: carburetors, fuel injection & transmission modulators.	273
Huish Detergents, Inc.	Detergent.	881
Kiri USA Corporation	Automotive brake rotors and drums.	95
Lord Corp.	Bonded rubber parts—shock, noise, & vibration control parts for the vehicle and equipment industries.	170
Magna Car Top Systems LLC	Convertible roof tops.	30
Quick Fuel Technology, Inc.	Carburetors and carburetor component parts.	30
RC Components, Inc.	Machine shop: CNC machining, motorcycle	70

	wheels & brakes, in house chrome line.	
S-R of Kentucky, Inc.	Chroming plastic interior and exterior trims and moldings.	292
Stoody Co.	Fabricated welding rods & electrode.	96
Trailer World, Inc.	Race car trailers; horse and stock trailers; flat equipment trailers; aluminum trailers, trailer parts and accessories, office and storage trailer rental.	10
Brandenburg		
Arch Chemicals, Inc.	Industrial organic chemicals and chemical mfg.	215
Restorative Medical, Inc.	Develop, design and fabricate contracture orthosis. Design/development/engineering. Gauge/template/pattern fabrications. 3-axis CNC machine center.	12
Brooks		
Kentucky Clutch	Clutch rebuilding.	3
Kentucky Solite Corp.	Lightweight aggregate shells.	39
Prestige Plastics Tech, Inc.	Plastic injection molding service, contract manufacturing & automobile aftermarket products, complete tooling facility and manufacturing.	11
Buckner		
Creative Companies of Kentucky, Inc.	Textile machinery.	5
Toolcraft Co.	Foil container dies, special machinery, precision CNC machining, tool & die, jigs & fixtures, cutting, boring, drilling, grinding, lathe & mill work.	8
Burnside		
Kingsford Manufacturing Co.	Charcoal briquettes.	140
Butler		
Griffin Industries, Inc.	Meat meal; tallow & grease rendering; cookie meal, bio-diesel fuel.	85
Cadiz		
Johnson Controls, Inc.	Automobile & truck seat frames.	660
Kentucky Machine & Engineering	Machine shop: sheet metal fabricating, arc & gas welding, drilling, boring, cutting, surface grinding, mill & lathe work with a full line of CNE equipment.	62
Calvert City		
Air Products & Chemicals, Inc.	Acetylenes.	68
Arkema Inc.	Forane refrigerants and blowing agents, Kynar PVDF polymer resin and hydrochloric acid.	262
Carbide Industries LLC	Acetylene gas, iron and steel slag conditioners and calcium hydroxide.	40
Celanese Chemicals	Polyvinyl alcohol, acetate acid.	80
Cymtech Corporation	Chemicals, hydrocarbons, specifically dicyclopentadiene, resin former, resin oil heavies.	13
Estron Chemicals, Inc.	Additive and resin polymers for powder coating, UV/EB coating, liquid coating and cosmetics.	48
ISP Chemicals LLC	Acetylenic specialty chemicals.	501
Lubrizol Corporation	Carbopol polymers.	90
Wacker Chemical Corporation	Polymer powders for the construction industry. Polymer dispersions for adhesives, non-woven fabrics, paint, paper, building products and carpet.	105

Westlake PVC Corp.	Commodity chemical (PVC).	66
Westlake Vinyls, Inc.	Commodity chemicals.	379
Campbellsburg		
Arvin Sango, Inc.	Automotive exhaust systems.	80
Campbellsville		
Farmer's Gate Co.	Steel gates, coral panels, round bale feeders, walk-throughs.	25
INFAC North America, Inc.	Manufacture control cables for the automotive industry.	8
Ingersoll-Rand Co.	Vacuum pumps & air & gas compressors.	205
J & D Auto Electric, Inc.	Starter, alternator & generator rebuilding service.	12
Murakami Manufacturing USA, Inc. (MMUS)	Mirrors for automotive industry: interior mirrors and exterior mirrors.	275
Campton		
Danny's Welding, Inc.	Truck dump boxes, custom metal fabricating & welding service.	9
Pi Pharma, Inc.	Health food supplements: vitamins, minerals & herbal products, natural cosmetic skin creams & lotions; private labeling; contract manufacturing.	N/A
Carlisle		
Lee-Lynn Machining, Inc.	CNC machining of parts for the mining, safety, construction, archery, automotive and entertainment industries.	27
Carrollton		
Arkema Inc.	Organic & inorganic tin chemicals.	168
Arvin Meritor, Machine Center Division	Disc brakes, drums & steering mechanisms, brake components for medium and heavy trucks and trailers.	300
Arvin Meritor Braking Systems	Cast heavy truck hubs & wheels.	95
Dow Corning Corporation	Dow Corning's Carrollton manufacturing facility is the world's largest producer of silicon-based products and intermediates.	400
Catlettsburg		
Calgon Carbon Corp.	Granular activated carbon.	148
Catlettsburg Refining LLC	Petroleum refining; gas.	837
Cave City		
United Industries	Soil and bark mulch.	30
Tekno, Inc.	Assembly lines, material handling equipment, control automated systems and structural aluminum framing.	20
Cecilia		
Wilson Manufacturing & Design, Inc.	Bulk materials handling equipment: conveyors and blending machines.	25
Central City		
Brewco, Inc.	Sawmill and pallet mill equipment.	40
Brewer, Inc.	Steel fabricating, gang rip saws & woodworking machinery, custom machinery for wood industry.	35
Clarkson		
Mid-Park, Inc.	Guardrails, sign posts & highway construction materials.	39

Walter T Kelley Co., Inc.	Supplies and equipment for honeybee keepers. Wooden hives and hive components, 100% beeswax comb, protective clothing and honey containers and extracting equipment.	37
Clay		
Clay Machine Works, Inc.	Machine shop: mining equipment, farm machinery & cylinder repairing; arc welding.	16
Custom Engineering, Inc.	Mining machinery parts & equipment.	35
Cold Spring		
Auto Fastener Group	Repackaging of automotive after-market products.	25
Fabritec International Corporation	Corporate headquarters and dry cleaning chemicals.	17
Columbia		
FABCO Inc.	Machine shop: arc & gas welding; drilling, boring, cutting, honing; structural steel fabricating.	9
Image Analysis Inc.	Medical devices: N-vivo calibrated calcium score system with artery trace calcium scoring – highly automated features phantom calibrated calcium score, volume and mass.	5
IMO Pump	Hydraulic pumps, fuel system pumps.	91
Corbin		
CSC	Tamper resistant ID cards.	86
CTA Acoustics Inc.	Organic fiber padding, industrial automotive insulation & acoustical materials.	250
Karr Industries Inc.	Machine shop: tool & die; machinery parts.	7
Nucsafe Instruments Incorporated	Radiation measurement systems.	13
Owens Auto Parts	Hydraulic air compressors; custom truck bodies, parts & accessories.	28
Salem Tool, Inc.	Coal recovery & auger mining equipment.	17
TCO, Inc.	Motor vehicle headlights.	200
Covington		
Analytical Solutions And Providers (ASAP)	Manufactures, services and distributes laboratory equipment to the forensic, chemical and petrochemical markets.	6
Anthe Machine Works, Inc.	Woodworking tools for furniture industry: specialty shaping & cutting tools & router bits.	4
ESCO Corp.	Construction equipment.	63
H & S Chemical Co., Inc.	Organic & inorganic chemicals.	25
Monarch Coin & Security, Inc.	Parts for coin operated washers/dryers, timers, locks, vending parts, token security rings.	12
R A Jones & Co., Inc.	Specialty packaging machinery, equipment & systems.	332
Silmar Resins	Polyester resins.	59
Crab Orchard		
Genton Tool & Die, Inc.	Machine shop: machinery parts, general, CNC & Swiss screw machining, tool & die, jigs, drilling, cutting, honing, welding, grinding, lathe; mill work.	2
Crestwood		
Kytronics, Inc.	Industrial control systems, custom electronic assembly & electronic valve positioners, industrial produce equipment for valves & dampers; process	3

	controls, cylinder shaft positioners and panels.	
Microdry, Inc.	Industrial microwave design and manufacturing. Sales of magnetrons, parts and service on industrial machinery.	10
Nemeth Engineering Associates	Design and manufacturing of radio frequency machinery and wood gluing machinery using radio frequencies, dielectric and induction heating equipment. RF tubes, part and service.	10
Quanics, Inc.	Provide advanced wastewater treatment technology and engineering.	10
Cynthiana		
Bullard Co.	Safety hard hats, fire helmets, face masks, hoods & respirators, thermal imaging cameras.	280
Harrison Machine Shop	Machine shop: welding, drilling, boring, cutting, honing, lathe work, general machining, hand grinding & sandblasting, mechanics, construction.	14
Solution Dispersions	Carbon black dispersions.	35
STI Manufacturing Co.	Wiring harnesses, automotive lights recycling, assembly & packaging.	18
TI Group Automotive Systems	Automotive refrigeration coil & steel tubing.	140
Danville		
Caterpillar, Inc.	Tractor parts; track pins & bushings.	110
Dana Corporation	Diesel & gas engine gaskets.	240
Federal Signal Corp.	Manufacture emergency warning devices (sirens) for emergency vehicles (police, fire and ambulances). These warning devices are also used in outdoor warning systems.	20
FKI Logistex	Conveyor equipment & systems.	290
Fred Cain Farm Equipment Co.	Bush hogs.	26
Hobart Corp.	Commercial dishwasher manufacturing.	87
Meggitt Aircraft Braking Systems Kentucky Corp.	Carbon brake discs for the airline industry.	40
Perfection Components	Plastic injection molding company.	43
Dawson Springs		
Mine Equipment & Mill Supply	Explosives.	30
Dayhoit		
National Electric Service, Inc.	Machine shop: general & CNC machining, arc, MIG & TIG welding; mill & lathe work, boring, cutting, honing, motor winding & electric coils.	5
Dayton		
Radac Corp.	Radiator cores distributor and headquarters.	50
Dixon		
DAPCO, Inc.	Coal mine vehicles and steel fabrication & rebuild.	19
Pioneer Plastics, Inc.	Custom injection molding, plastic containers for the food industry, collectibles, critters, research/medical applications and storage.	65
Dry Ridge		
Dana Light Axle Manufacturing LLC	Assemble light truck axles.	375
Gusher Pumps, Inc.	Industrial centrifugal pumps.	28
Earlington		

J-Lok Corporation	Manufacture resin which is used by affiliates to make structural steel beams.	62
Eddyville		
Exel	Processing, blending, & grinding of plastics & chemicals.	42
Edgewood		
Summit Fire Apparatus, Inc.	Aluminum & steel fabricating; welding & fire truck bodies.	22
Edmonton		
Sumitomo Electric Wiring Systems, Inc.	ECU and fuse boxes.	540
Elizabethtown		
Accumetric LLC	Sealants and adhesives for construction, industrial, HVAC, pool and spas. Fire stopping sealants and accessories.	160
AKEBONO Brake, Elizabethtown Plant	Automotive disc & drum brakes.	1,000
Altec Industries, Inc.	Aerial unit trucks for telecommunications and utility companies, telescopic aerial devices.	467
Clinton Industries, Inc.	Tools, dies & specialty machinery.	14
Cytech Products, Inc.	Mold release agents; additives for thermal paper (i.e. labels/fax paper); anti-oxidant for ABS and PVC.	15
Dana Corporation	Stamping/form and assembly of the Ford F-150, Lincoln Navigator, and Ford Expedition frames.	700
Dow Corning Corp.	Silicone sealants, adhesives.	230
Flint Group	Printing ink and pigments.	116
Flint Group Pigments	Organic pigments.	160
Inland, Inc.	Carry a complete line of Innerbond products plus sealants, adhesives, caulks and Firestop. Do Custom repackaging of other's products.	35
PBS Distributors	Water filter cores.	4
R B T Services, Inc.	Railcar, truck & barge bulk product transloading equipment & accessories.	45
Summit Polymers, Inc.	Injection molded thermoplastics and auto interior components.	243
Eminence		
Eminence Speaker LLC.	Loudspeakers not in cabinets, compression drivers and woofers.	158
Erlanger		
Angstrom Technologies, Inc.	Electrical equipment & fluorescent chemicals for scanning compounds, counterfeit detection, and document security process control.	9
AutoFab, Inc.	Machine shop: CNC machining, automotive part rebuilding, lathe & mill work.	11
Diversified Composites, Inc.	Custom manufacturer of pultruded composite products including profiles, rods, tubes, shapes, bridge decks, delineators, sheet pilings, soundwalls, backboards, arrow shafts, ski poles, kite sticks, bow limbs, stiffeners and machine components.	40
Flint Group North America Corp.	Lithographic printing inks.	34

Grandpa Brands Co.	Specialty soaps; over the counter toothache & over the counter preparations.	7
King Tool Co.	Custom tooling & CNC machinery rebuilding & retrofitting.	18
Meyer Tool, Inc.	Precision aircraft parts.	159
Obara Corp.	Robotic welding guns & welding cable.	65
Parkway Products	Plastic, composite components, thixomold—auto parts, electronic parts.	120
Post Glover Resistors, Inc.	Manufacture electrical power resistors for industrial and utility applications, including neutral grounding, dynamic braking, and motor control and load bank products.	100
Tressa, Inc.	Professional hair products: permanent wave solutions, hair spray, shampoo, hair color & conditioners.	40
Falmouth		
Bluegrass Biodiesel LLC	Manufactures and distributes biodiesel.	19 (Announced)
Orient Engine	Automotive engine remanufacturing.	43
Ferguson		
Mid-State Auto Parts Rebuilders	Rebuilt alternators & starters.	36
Flemingsburg		
Hypac, Inc.	Hydraulic systems: power units, cylinders & hose assemblies for medical & recreational vehicle industries.	23
Tinnerman Palnut Engineered Products, Inc.	Galvanized & cold rolled steel automotive & metal roll form stamping for automotive sub assemblies, welding components.	49
Toyo Seat USA Corp	Automotive hardware & seating components, tracks & frame work.	262
Florence		
A O Smith Corp	Frits & protective coatings.	40
Aristech Acrylics LLC	Impact acrylic, general purpose acrylic, solid surface, and acrylic ABS composite sheet.	244
Balluff, Inc.	Electronic sensors for industrial automation: inductive proximity sensors, optoelectronic sensors, linear position transducers & automatic identification sensors—auto Industry.	165
BAWAC, Inc.	Private, non-profit, community based rehabilitation program provider. Provide work & training opportunities – assembly & packaging services.	135
Beckman Coulter, Inc.	Medical diagnostic reagents.	48
Biologics International, Inc.	Yeast extracts for pharmaceutical & cosmetic industries.	5
Camco Chemical Co., Inc.	Chemicals & detergents.	94
Dental Arts Laboratory	Gold, metal & acrylic crown & bridge work.	20
Dynatec Machine, Inc.	Machine shop: CNC & general machining, arc & gas welding, drilling, boring, cutting, honing, lathe & mill work, surface grinding & custom assembling, communators for waste water.	10

Eagle Manufacturing Co. LLC	Diesel truck cylinder heads & connecting rods.	236
Hydra Tone Chemicals, Inc.	Specialty chemicals, detergents, lubricants and water treatments.	6
Indelac Controls, Inc.	Electric valve actuators & controls.	20
Kiswel, Inc.	Manufacturing welding filler metal products from mild steel flux cored wire, metal cored wire, stainless FCW, MIG/TIG wire and sells solid wire, stick electrodes and other products.	35
KMPT USA, Inc.	Corporate headquarters, sales and service process technology equipment, including centrifuges, filters and dryers used primarily in chemical and pharmaceutical fields.	28
Krauss-Maffei Corp.	Reaction process, extruding & injection molding equipment.	140
Littleford Day, Inc.	Chemical, food, pharmaceutical & plastic processing equipment.	73
L'Oreal USA	Hair & skin care products.	262
Meritor Heavy Vehicle Systems LLC	Automotive components.	400
Mubea, Inc	Automotive component parts (springs, hose clamps and stabilizer bars.	688
Precision Engineering and Conveyors	Laundry conveyor equipment.	4
Ronan Engineering Co.	Manufacturer of measuring equipment, radiation gauges and instruments used to measure density, weight and level.	36
Sweco, Inc.	Vibratory separation, metal finishing & processing equipment, screens & separators.	330
Total Display Solutions LLC	Re-manufactures LCD panels for computer video displays and television LCD panes.	21
Welding Alloys U S A, Inc.	Manufactures flux-cored welding wire for hardfacing and joining stainless steel; and custom hardfacing equipment.	45
ZF Steering Systems LLC	Steering gears for car and light truck market; assemble steering columns, hydraulic steering gears and power steering pumps for the auto industry.	385
Frankfort		
ArvinMeritor, Inc.	Truck axles.	120
Aska USA Corporation	Manufacture factory automation systems and industrial robots.	4
GECOM Corp.	Automotive part, metal stamping and headquarters.	200
Lukjan Metal Products, Inc.	Custom sheet metal fabricating; heating & cooling systems.	16
Mishima Tech America, Inc.	Automotive assembly equipment including conveyors and jigs.	14
Montaplast of North America	Plastic injection molding automotive wheel covers, center caps, and intake manifolds.	927
Topy America, Inc.	Road wheels for passenger cars and light trucks.	305
Washington Penn Plastic Co., Inc.	Compounder of thermoplastic.	63

Franklin		
Arvinmeritor Industries	Braking systems for heavy vehicles.	77
Berry Plastics	Pipeline coatings; industrial, athletic & consumer adhesive tapes & bandages.	675
Franklin Precision Industry	Assembly of automotive throttle bodies & charcoal canisters, injection molding.	496
HBAS Manufacturing, Inc.	Digital and analog audio automotive equipment.	480
Mahle Engine Components (Perfect Circle)	Stainless steel piston rings.	45
Mahle Engine Components (Perfect Circle Div.)	Piston rings and transmission sealing rings.	103
New Mather Metals	Stabilizer bars for the North American OEM Automobile Manufacturers.	304
Quick Draw Tarpaulin Systems	Attach aluminum components to UV coated Vinyl tarpaulins and mount on tractor trailer trucks.	9
Toyo Automotive Parts	Automotive anti-vibration rubber parts: engine mounting, strut mounting, bush, member mounting, insulator, damper, boot for CVJ.	205
Traughber Mechanical Service Inc.	Custom fabricating; general machining; lathe & mill work; drilling & boring; arc, gas, MIG, TIG, heliarc welding, equipment repair, maintenance department support.	10
Wabash National Corporation	Manufacture semi trailers	460 (Announced)
Fulton		
Bluegrass Bioenergy LLC	Ethanol.	55 (Announced)
Georgetown		
ECO Technology	Manufacture and marketing of soundproofing made from recycled materials (automotive fabric silencers – padding beneath carpet).	10
Georgetown Tool & Manufacturing, Inc.	Machine shop: general machining; drilling, boring, cutting & honing; lathe & mill work; precision tools; specialty machinery & parts. CNC machining (close tolerance) milling.	15
International Crankshaft, Inc.	Crankshafts & steel forgings.	151
ITS	Automobile paint finishing systems; coolant filtration systems, robot installation.	51
Johnson Controls, Inc.	Foam pads for the automotive industry. Pads include seating, armrests and headrests.	570
Minova USA	Mine roof stabilization & ventilation control products.	140
Polycraft Tool, Inc.	Machine shop: tool & die, general machining; drilling, boring, honing; MIG welding, lathe & mill work & fabricating.	15
Southern States Georgetown Cooperative, Inc.	Feed & fertilizer mixing & blending.	31
STM, Inc.	Tool & die, specialty machines, jigs & fixtures; grinding, polishing, general & CNC machining, drilling, boring, cutting, honing, lathe/ mill work, fabricators, molding plastic.	7
Toyota Motor Manufacturing Kentucky	Automobiles-Camry sedan, Avalon sedan, engines, axles, steering components,	7,000

	blocks/cylinder heads/crankshafts, and North American Production Support Center (NAPSC).	
Vuteq Engineering Corp.	Reusable steel material handling containers, automotive stamping dies, automated assembly line equipment, checking fixture gauges and EDM.	26
Ghent		
Air Liquide Large Industries US LP	Produce liquid nitrogen and liquid oxygen.	26 (Announced)
Air Liquide Large Industries	Industrial oxygen, nitrogen, argon gases.	3
Glasgow		
Amneal Pharmaceuticals	Generic pharmaceutical mfg and marketing company.	16
Akebono Brake, Glasgow	Vehicle brake systems.	640
Dana Corporation	Heavy duty truck axles & brakes.	407
European Design, Inc.	Dental office furniture.	49
Federal-Mogul Products, Inc.	Heavy duty truck brake friction blocks for the commercial vehicle industry.	160
SKF USA, Inc.	Hub bearings.	140
Span Tech LLC	Conveyor systems, for food processing, packing, and manufacturing.	70
Suntec Industries, Inc.	Fuel oil pump assembling & testing.	52
Graham		
Ensign-Bickford	Explosives & energetic systems.	140
Greenup		
DuPont Co.	Sulfuric acids.	22
Hardinsburg		
Agriliance	Fertilizer mixing & blending.	18
Harrodsburg		
Ayrshire Electronics Harrodsburg	Electronic manufacturing services including printed circuit board assemblies, final unit assembly and test.	75
Hitachi Automotive Products USA	Automobile electric & electronic components.	737
Modine Climate Systems, Inc.	Automobile & truck air conditioning equipment.	175
Trim Masters, Inc	Automotive plastic components.	109
Trim Masters, Inc.	General office/technical center. Some prototype production for automotive interior parts.	210
Hazard		
AAA Mine Service	Machine shop: general machining, surface grinding, arc welding, boring, cutting, lathe & mill work.	66
Hebron		
Bonfiglioli USA	Speed changer, industrial high speed drive & gear manufacturing, headquarters.	48
Enprotec	Industrial waste water treatment systems.	10
GE On Wing Support Div.	Aircraft engine maintenance and repair to any location worldwide 24 hours a day, 365 days a year.	25
Hahn Automation, Inc.	Automation systems for the automotive industry; turnkey automation primarily for automotive industry; specialty in plastics and rubber technology; assembly & test calibration.	14

HBC-radiomatic BoonUS, LLC	Manufacture industrial radio controls used in a variety of industrial applications.	NA
HiTech Polymers, Inc.	Compound custom resins & specialty thermoplastic resins.	18
HK Systems, Inc.	Conveyor systems.	175
Jackson Tool & Mold	Tool & mold, CNC machining, plastic injection molding, rubber & plastic molds.	5
KE-Burgmann USA, Inc.	Manufactures and supplies a full range of fabric, metal, rubber, flouroelastomer and fluoropolymer expansion joints for installation in air and flue gas duct systems.	13
LOGOMAT Automation Systems Inc.	Pallet transfer systems.	11
Mauer USA LLC	Manufacture injection molded caps and closures for the US packaging industry.	85-100 (Announced)
Nor-Com	Communications systems engineering and AV integrators.	47
Northpointe LLC	Custom engineered production tools and automation for manufacturers.	11
Psion Teklogix Corporation	Headquarters – global provider of solutions for mobile computing, wireless data collections and RFID.	143
Wagstaff, Inc.	Custom aluminum molds & castings.	42
Henderson		
Accuride Corp.	Truck wheels & rims.	234
Brenntag Mid-South, Inc.	Chemical blending, industrial chemical distribution.	212
Clarke Power Services, Inc.	Diesel engine & automatic transmission repairing.	21
Custom Resins, Inc.	Nylon & nylon products.	50
Dana Corporation	Truck axles & brake components.	500
Drilco Industrial, Inc.	Drill pipe fabricating, stabilizers, shock subs & drill bits.	70
Griffin Industries, Inc.	Organic fertilizer.	14
Henderson Trailer Co.	Truck body components.	30
Hercules Manufacturing Co.	Insulated & dry freight truck bodies & trailers.	100
Polymer Partners LLC	Plastic color concentrates.	34
Royster's Machine Shop LLC	Machine shop: general & CNC machining, drilling, boring, cutting, honing, custom grinding, steel fabricating, arc & gas welding, lathe & mill work.	66
Shamrock Technologies, Inc.	Teflon recycling, micronized polytetrafluoroethylene, dry lubricant powders.	66
Teknor Color Co.	Color compounding.	35
Hickman		
Eagle Pump and Compressor Ltd.	Manufacture and distribute light industrial air compressors.	31
SGL Carbon LLC	Graphite electrodes.	65
Hickory		
Remington Arms Co., Inc.	Manufacture rim-fire and center-fire firearms.	77
Hodgenville		
Cumberland Products, Inc.	Packaging and distribution of paint related materials for the automotive aftermarket.	24
Konseil USA, Inc.	Automotive parts, factory automation systems, and air grippers.	27

Lincoln Tool, Inc.	Precision tool & die manufacturing. Build special machines to manufacturing specs. Build molds and repair machines and parts.	10
Hopkinsville		
AG Spray Equipment, Inc.	Agricultural sprayers.	30
Agri-Chem, Inc.	Blend chemicals, fertilizers & seed.	70
Amfine Chemical	Specialty plastic additives.	48
Commonwealth Agri-Energy LLC	Ethanol, carbon dioxide, dry grain.	30
Dana Corporation	Automobile frames.	480
Douglas Autotech Corp.	Automotive directional controls: steering columns & shifters.	238
Grupo Antolin Kentucky, Inc.	Overhead systems for automobiles.	180
Maintainer Corporation of Kentucky	Manufactures service truck bodies, lubrication truck bodies and extendable cranes.	30
Martinrea	Automotive assemblies and painting of chassis components and suspension systems.	340
Melleck LLC	Bumpers and fascias, headquarters.	2
Meritor Suspension Systems Co.	Torsion & stabilizer bars and coil springs.	150
Original Exhaust Manufacturing	Automotive tail pipes & mufflers, mfg plant & headquarters.	10
Pain Enterprises, Inc.	Manufacture dry ice from carbon dioxide.	20
Pennyrile Machine Co., Inc.	Machine shop: general machining, wire machine, CNC Machining, EDM surface grinding, drilling, boring, cutting, honing, lathe & mill work; arc & gas welding.	11
Propulsys, Inc.	Hydraulic motors, brakes, pumps, flow dividers.	267
Riken Elastomers Corporation	Elastomer compounds for automotive components.	14
Sun Chemical Corp.	Printing ink.	34
TG Automotive Sealing Kentucky	Automotive weather stripping, rubber molded & plastic interior auto parts.	689
Horse Cave		
Geothermal Supply Company, Inc.	Fabricator and accessories manufacturer for the geothermal industry.	37
Ken Dec, Inc.	Finishing and decorative trim.	28
Independence		
Benda-Lutz Corporation	Aluminum, zinc flakes and goldbronze metallic pigments for paints, printing inks, plastics and powder coatings. Blitz bonded metallic powder coatings.	50
Flottweg Separation Technology, Inc.	Assembly, repair and service of liquid-solid separation equipment	27
KRC Machine Tool Services	Remanufacture and service CNC machine tools, preventive maintenance, insurance claims consulting – relative to machine tools.	45
Magni Industries, Inc.	Chemical preparations: corrosion resistant coatings.	28
Ivel		
R & S Godwin Truck Body Co. LLC	Steel & aluminum fabricating: dump truck bodies and trailers.	100
Jackson		
Combs Custom Manufacturing	Truck bumpers & accessories, push bars, grilles &	2

	grille guards; equipment parts - loaders, dozers, handrails, custom off road and ATV parts.	
Jamestown		
GGF Heritage Manufacturing LLC	Configuration hardware for aerospace jet aircraft engines.	46
Jenkins		
Drillers LLC	Modify and remanufacture parts and assemblies of drill rigs and other drilling equipment.	25-35 (Announced)
Kevil		
Credence Speakers, Inc.	Loudspeaker assembling, distribution.	4
Uranium Disposition Services	Convert UF6 into safer substances for commercial use.	70
Kuttawa		
Trans Industrial Plastics LLC	Plastic injection molding, emblems, and nameplates.	22
La Grange		
Lesco Design & Manufacturing Co., Inc.	Steel fabricators: conveyors, cranes and related material handling equipment and vehicle loading ramps.	100
Parts Unlimited, Inc.	Headquarters & warehouse/sales center; manufacture interior for muscle cars, automotive padded interior seats, door panels, headliners, window felts and other smaller interior parts for the US cars built in the 1960's, 1970's and 1980's.	100
Lancaster		
Chick Packaging, Fabricating and Rigging	Plate, structural & sheet metal fabricating, custom machinery.	52
Langley		
Kentucky Hydrocarbon	Natural gas processing & hydrocarbon extracting.	11
Lawrenceburg		
Custom Tool & Manufacturing Co.	Wiring harnesses, machine shop; welding.	50
Glo Marr Products, Inc.	Animal healthcare products & vitamin supplements.	18
Kentucky Nutrition Service, Inc.	Livestock vitamins & minerals.	10
YKK Snap Fasteners America, Inc.	Automatic attaching machines, metal buttons, snaps, fasteners, hooks and eyes.	200
Lebanon		
Central Kentucky Tool & Engineering, Inc.	Machine shop: general, lathe, mill & CNC machining; EDM, drilling, cutting, honing, tool & die, sheet metal fabricating, stamping, welding, grinding, CAD, laser cutting.	40
Curtis-Maruyasu America, Inc. Plants 1, 2 and 3	Motor vehicle fuel systems and parts; fabricates pipes and fittings fuel or oil caps; hybrid fuel storage systems; fuel injections systems; fuel tanks; breather elements and non-ferrous alloy tubing.	580
Fuel Total Systems California Corporation	Manufacture and supply automotive plastic fuel tank systems and related components.	100 (Announced)
Hendrickson Truck Suspension Systems	Heavy truck suspensions.	90
Joy Mining Machinery	Manufacturer of underground mine equipment.	156
Lebanon Power & Apparatus Co.	Rebuild electric motors & generators, electronic	19

	printed circuit boards & controls.	
NSU Corporation	Muffler component parts, fiberglass for headliners for various automotive companies, and substrate board.	70
TG Kentucky LLC	Rubber molded & plastic interior automobile parts.	850
Toyota Boshoku Manufacturing Kentucky LLC	Automotive interior parts manufacturing – headliners, door ornaments and silencer material.	160
Lebanon Junction		
MAC Manufacturing Co., Inc.	Automatic barrel filling devices, stencils, lifts & materials handling equipment; robots, pick and place units, and turntables.	22
Leitchfield		
Campbell Hausfeld	Air compressors, nitrogen generators, OEM pressure vessels air tools and accessories.	225
Mid-Park, Inc.	Farm gate hinges.	29
Trim Masters, Inc.	Automotive seat covers.	316
Lewisport		
Precision Roll Grinders, Inc.	Roller repair & precision cylindrical grinding.	23
Lexington		
Allylix, Inc.	Develops and produces flavors and fragrances using fermentation processes. Its first product is the grapefruit flavor nootkatone.	4
ASC Incorporated	Automotive convertible tops and related assemblies.	52
Audio Authority Corp.	Electronic switching systems, audio & video signal distribution systems, audio, video intercom systems.	53
Blue Grass Optical Co.	Lens grinding.	9
Bosch Rexroth Corp. Pneumatics	Pneumatic, hydraulic cylinders, valves, electro pneumatic control systems & actuators.	293
Central Brace & Prosthetics, Inc.	Orthopedic & prosthetic appliances; orthotic, prosthetic, pedorthic.	14
Ceradyne, Inc.	Ceramic armor and ceramic silicon nitride components.	280
Contract Machining & Manufacturing	General, CNC, prototype & custom machining; tooling.	75
Creation Technologies Kentucky, Inc.	Printed circuit board assembly.	341
Fluid Power Products, Inc.	Hydraulic system assembly & distribute hydraulic and pneumatic connectors and components.	19
Foam Design, Inc.	Foam products, cushion packaging, military packaging, automotive packaging, and custom manufacturing.	108
GE Lighting LLC	Automotive sealed beam headlights & specialty lamps.	180
Gibson Laboratories, Inc.	Reagents & cultured media, in-vitro diagnostic products for clinics, hospitals, and testing labs.	27
Intelligent Products Co.	Custom industrial control, data acquisition & automation systems, robotics & specialty machinery distribution.	8
Interplex Plastics, Inc.	Custom injection molding & molding tools, disposable dental/surgery products, fluid delivery systems, vacuum pressure pumps and electronic	72

	connectors.	
Intranasal Therapeutic, Inc.	Manufactures prescription nasal spray drug products.	40
J R Buck Industries	A full service solution provider: machining, fabricating, assembly and stamping.	14
Kentucky Paint Manufacturing	Latex base paints and fence coating.	23
Kito USA	Welding equipment.	31
Knight-ED LLC (K-ED)	Design and assembly; circuit cards, power supplies and connector to complete specialty electronic products. Assembly of wire harnesses and cables. Cryogenic material treatments.	6
L-3 Communications Integrated Systems	Support activities - DOD contract.	1,412
Lexair, Inc.	Pneumatic & hydraulic valves & bar feed equipment.	44
Lexel Imaging Systems, Inc.	Cathode ray tubes and ruggedized displays.	80
Lexmark International, Inc.	Printers & information processing supplies; headquarters.	3,130
Link-Belt Construction Equipment Company	Design, manufacture, market, sell and service of telescopic and lattice boom cranes.	529
Murty Pharmaceuticals, Inc.	Pharmaceutical supplies for clinical investigation and formulation of both novel and generic drugs.	24
Neogen Corp	Manufactures and markets a complete line of diagnostics, veterinary instruments, veterinary pharmaceuticals, nutritional supplements, disinfectants and rodenticides.	120
Nitto Denko Automotive Kentucky, Inc.	Automobile industry tape and foam products.	46
Point Six, Inc.	OEM computer prototypes & printed circuit board design; electronics subassemblies; sensing & temperature devices.	17
Q E D Inc.	Surgical headlights, misc. lighting equipment & design, tube amplifiers for guitar players.	32
Republic Diesel	Driveshafts; engine repair and parts distribution.	13
Semicon Associates	Dispenser cathodes for microwave tubes, porous refractory tungsten & samarium cobalt magnets.	80
Silrec Corporation	Manufactures silicon wafers & recycles other silicon products.	25
Stahl Manufacturing, Inc.	Farm machinery parts.	11
Stephens Instruments	Manufacture and repair ophthalmology items.	20
Sumitomo Electric Wiring Systems, Inc.	Auto wiring harnesses and components and warehouse.	14
Tema Isenmann, Inc.	Polyurethane screening panels.	50
Thiel Audio Products Co.	Loudspeakers.	28
Unicomp, Inc.	Computer keyboards.	25
US IOL, Inc.	Post cataract surgery implant lenses.	15
Visumatic Industrial Products, Inc.	Automated systems; screw, drive feed mechanisms/custom belt equipment to Delco/Ford and others to use in their manufacturing.	25
Webasto Roof Systems, Inc.	Automotive sunroofs.	770
Lewisport		
Precision Roll Grinders, Inc.	Roller repair and precision cylindrical grinding.	23
Liberty		

Calhoun Creek Trading Co., Inc.	Machine shop: general machining; drilling, cutting & honing; welding; ID, OD & surface grinding; lathe & mill work; livestock handling equipment; machinery parts.	7
Goose Creek, Inc.	Wholesale candle and clock manufacturer specializing in handmade customized designs for small specialty gift shops and retailers.	28
Tarter Industries, Inc.	Agricultural equipment: hay movers, creep feeders, squeeze chutes & automatic head catchers, full line of three point equipment.	118
Livermore		
A & S Fabricating Co.	Metal fabricator - custom steel fabrications, complete machine shop service, repairs, sandblasting, painting and assembly.	25
London		
ABC Automotive Systems, Inc.	Research, development, design, manufacturing and assembly of automotive parts.	179
Aisin Automotive Casting LLC	Aluminum engine components for the automotive market.	582
Highland Diversified Services, Inc.	Automotive – metal stamping, welded sub-assemblies, and powder coated parts and assemblies. Major appliance – metal stamping, welded sub-assemblies and powder coated parts.	208
Louisa		
Heritage Equipment, Inc.	Remanufacture of commercial truck components including diesel engines, transmissions and differentials.	26
Louisville		
A C Tool & Machine Co.	Machine shop: general & CNC machining, mill & lathe work, arc & heliarc welding, drilling, boring & cutting, design and fabricating custom food equipment.	13
Abell Elevator Intl.	Elevators, escalators.	30
Acme Auto Electric, Inc.	Automobile starters & alternators & auto service.	16
ADL Dental Laboratory, Inc.	Dental prosthetics, crowns & dentures.	40
Alpha Machine Tools, Inc.	Machine fabrication shop.	14
American Synthetic Rubber Company LLC	Reprocessed & synthetic rubber; liquid polymers.	338
Arkema, Inc.	Acrylic polymers, compounding production units.	70
BAE Systems	Defense systems & missile launchers.	295
Barbee Co., Inc.	Automobile radiator service equipment and repair.	10
BASF Corporation	Organic & inorganic color pigments & absorbents.	130
Baughman Group	General machining: CNC, precision, lathe & mill work; arc, heliarc, general, gas, MIG & TIG welding.	15
Bell Motor Service, Inc.	Rebuilt automotive, tractor & boat engines and custom engine rebuilding.	2
Blandford Machine & Tool Co.	Machine shop: tools, dies, jigs, fixtures, prototypes & special machinery; drilling & boring.	17
BLC Industries, Inc.	Filtration equipment, custom roll forming & fabricated wire products.	34
Bluegrass Kesco, Inc.	Water treatment products & technical services.	30
Bostik, Inc.	Industrial adhesives.	76

Branham Corp.	Fabricated custom metal flexible hoses & conveyor systems; vulcanizing.	52
Bridges Smith & Co.	Enamel, latex & oil base paints; stains, varnish & paint remover; paint brushes, applicators & spraying equipment.	10
Capital Recovery Group Technologies, Inc.	Refurbishes and manufactures custom packaging equipment for the food and beverage industry.	10
Carbide Industries LLC	Manufacture calcium carbide and related products and co-products.	120
Cardinal Aluminum Co.	Custom aluminum extrusions & moldings including anodizing, powder coating and fabricating.	335
Cardinal Integrated Systems	Conveyors & materials handling equipment and service equipment and materials handling equipment distributor.	25
Carrier Vibrating Equipment, Inc.	Conveyors, feeders & screeners.	105
Caudill Seed and Warehouse Company	Seed - diversified agricultural production, manufacturing and distribution. Specializing in organically grown edible seeds and beans, organic specialty products, sprouting seed.	163
Chromatography Research Supplies, Inc.	Scientific instruments & chromatography accessories.	29
Cinetic Sorting Corp.	Conveyor equipment.	100
Color Corporation of America	Pigments & color coatings.	46
Commonwealth Material Handling, Inc.	Steel fabricating & special machinery, conveyors, part manipulators, aggregate equipment, steel fabricating, and systems integrators.	10
Cook Compression.	Piston rings & mechanical seals.	225
Coral Graphic Services, Inc.	Digital content production & delivery solutions for music, entertainment, video game & software industry.	82
Craig Machinery & Design, Inc.	Automation machinery & tooling, plastic assembly equipment.	17
CreoSalus	Animal drug & fine chemical business (medical manufacturing).	26
Custom Packaging	Hand cleaner and plastics.	52
D A E Industries	Ground support equipment. Machine shop: general, CNC, precision, lathe & mill machining; drilling, boring, cutting, honing, welding, grinding & sheet metal fabricating.	33
Dakkota Integrated Systems LLC	Interior automotive products - dashboards, instrument panel.	88
Dakkota Integrated Systems LLC	Production and supply of cooling systems for the automotive industry.	47
Dana Corporation	Automotive drive shafts.	140
Derby Dental Laboratory	Dental laboratory.	45
Derby Industries. Inc.	OEM support & logistics & supply chain mgt services; assembly, sub-assembly, packaging, co-packing, kitting, retail & OEM distribution, corporate office.	400
Diesel Injection Service Co.	Fuel injection pump repair.	90
Dispensers Optical Service	Ophthalmic products and services (DOD Contractor).	5
DuPont Co.	Refrigerants, Intermediates.	158

Dynacraft, Division of Paccar	Automotive hoses & battery cables, truck parts distribution.	311
Eckart America LP	Metallic aluminum paint pigments, powders & paste.	106
Electrologic, Inc.	Control systems 7 panels, computer interface systems, custom machine designing & fabricating, embedded controls and control systems, custom motor controls; microprocessor based.	5
Electronic Design & Research	Develop and manufacture solid-state power modules for DC, AC/DC applications. Makes SPST, SPDT, DPST and SPDT/DPST solid state relays (SSR).	12
Faurecia Exhaust Systems	Automobile exhaust systems.	200
FIBA Technologies, Inc.	Cryogenic equipment manufacturing and repair, industrial vaporizers, gas cylinder repair & cast welding.	30
Fisher & Hinnant Prosthetic & Orthotics	Orthotics & prosthetics.	3
Fluid Power Products, Inc.	Hydraulic systems assembling & repairing, Pneumatic and hydraulic components, hoses, fittings, and accessories.	12
Fold-A-Way	Aluminum & nylon fold-away bumper steps for vans & RV's.	3
For The People LLC	Ethanol production facility.	60 (Announced)
Ford Motor Co.	Production of super duty pick-up trucks (F-250 through F-550).	3,500
Ford Motor Co.	Ford Explorer, Mercury Mountaineer & Sport-Trac.	2,100
Forth Technologies, Inc.	Blended specialty chemicals & ink pigments.	40
Furmanite America, Inc.	Valve repair: safety, relief, control, ball, butterfly, high pressure and high temperature.	11
Gardner Denver Drum	Air compressors, blowers, fans & pumps.	30
Genfab, Inc.	Vertical lifts, continuous & specialty conveyors, steel fabrication & installation, industrial maintenance service.	9
Griffin & Co., Inc.	Bulk materials handling equipment, conveyors & storage bins.	44
Grindmaster Corporation	Food service beverage dispensing equipment.	92
Hancock Mechanical and Machine, Inc.	General and CNC machining; heavy industrial machinery rebuilding.	43
Harpring, Inc.	Polishing & CNC punching; industrial sheet metal & stainless steel fabricating, custom sheet metal fabrication.	80
Hesco Parts Corp	Automobile engines & component parts.	145
Hexion Specialties Chemical	Electronic resins; foundry resins; automotive resins.	200
Hostmann-Steinberg Co.	Printing ink.	12
Hot Mix Parts	Sell and marketing of repair parts and equipment for asphalt.	40
Indesco, Inc.	Custom automated machinery, designs custom manufacturing equipment.	8
Industrial Carbide Saw & Tool	Carbide tipped cutting tools; band saw, segmental & inserted saw blades, strapping, fittings & knives, stretch film, plastic banding, sharpening services.	20

Innovative Electronic Designs	Computer controlled audio equipment.	87
Interpolymer Corp.	Water-based acrylic and ethylene copolymers for the coatings, cosmetic and other industries.	17
Jack Brown Engineering, Inc.	Sheet metal fabricating: welding.	3
James Cash Machine Co., Inc.	Bedding & textile industries machinery.	25
Jefferson Audio Video Systems, Inc.	Headquarters and audio/visual equipment manufacturing, sales and service.	72
Jellico Chemical Co., Inc.	Kitchen cabinet & furniture coatings.	12
Johnson Controls	Installation and service branch that sells, installs and services HVAC fire and security controls equipment. Electronic repair center that repairs HVAC, fire and security controls.	150
Junkin Safety Appliance Co., Inc.	Safety & first aid products.	30
Keller Laboratories, Inc.	Dental prosthetic appliances, bridges, dentures & crowns.	33
Kelley Technical Coatings, Inc.	Industrial finishes, architectural & swimming pool coatings and deck coatings.	47
Kentucky Trailer	Manufacturing, sales and service of custom Semi trailers including, drop frame, high cube moving vans for the snack food, automobile transport, mobile marketing, and mobile medical.	286
Kinergy Corp.	Bulk materials handling equipment: vibrating feeders, conveyors, screens & rail car dischargers.	30
Krauth Electric Company, Inc.	Soft bearing balancing technology manufacturing operations. Sales and service of electric motors, power transmission equipment, & electronic controls; Headquarters.	45
Kroeger's Automotive, Inc.	Automotive machine work, boring-valve jobs, crank turning, etc.	1
Lantech, Inc.	Stretch bundling & wrapping equipment, palletizers, conveyors, case erectors, shrink packaging systems.	290
Lauyans & Company, Inc.	Custom material handling systems, components and services.	22
Lear Operations Corp.	Automobile & van seats.	234
Logos Unlimited LLC	Fabric screen printing: T-shirts, caps, sport shirts, sweatshirts, sweatpants & jackets.	18
LOMA Automation Technologies	Custom industrial machinery, robot integration.	22
Louisville Cooler Manufacturing Co.	Walk-in coolers, freezers, & refrigerated warehouses, explosion proof rooms, computer clean rooms, environmental test chambers.	26
Louisville Crown & Bridge, Inc.	Crowns & bridges, dentures.	16
Louisville Dryer Company	Rotary dryers, pressure vessels & custom metal fabricating.	20
Louisville Packaging	Refrigerant repackage.	74
Lubrizol Corporation	CPVC resin and compounds; PVC emulsions.	135
Mann & Hummel Advanced Filtration Concepts, Inc.	Industrial filtration systems.	99
Marcus Paint Co.	Powder and protective coatings, paint and liquid coatings for OEM.	43
Metro Fabrication, Inc.	Manufacturer of custom wiring harnesses.	11
Monty's Plant Food Co., Inc.	Blending and bottling of liquid plant food and	19

	create formula.	
Niemco Fabricators	Alloy and steel fabricating. Industrial equipment, machine parts, packaging handling conveyors and industrial laser cutting.	47
Northwood Industrial Machinery	CNC routers.	50
Nuplex Resins	Industrial resins.	90
Olsen Medical	Manufacture surgical supplies.	45
One Stroke Inks	Printing inks - Plastisol inks for textiles.	30
OxyChem, Inc.	PVC resin.	74
Palmer Products Corp.	Mastics, adhesives, friction materials & industrial brake linings.	16
Parallel Products, Inc.	Fuel grade ethanol.	52
Peptides International, Inc.	Biological products & supplies (research purposes only) with an emphasis on peptides and peptide related products.	17
Performance Powders LLC	Powder coatings.	12
PPG Architectural Finishes, Inc.	Architectural paints & high performance coatings.	225
PPG Industries, Inc.	Stains & latex paints.	49
Prescotech Industries Inc.	Fiberglass, paperboard, urethane & polystyrene fabricating, polyethylgine, rubber foil converting.	36
Progress Paint Manufacturing	Enamel, latex, oil base, stain & varnish paints & epoxy compounds.	65
PSC Fabricating Corp.	Manufacture and conversion of non-metallic materials for use in acoustical, thermal. Electrical and common gasketing applications.	80
PSC Office Products Div.	Seals & gasket, toner cartridge components.	100
Quantum Ink, Inc.	Printing ink.	14
Radio Sound, Inc.	Motorcycle radios.	74
Raque Food Systems	Food packaging equipment.	78
Raytheon Company	Naval ship self-defense weapon systems overhaul, repair & manufacture new ship self defense systems.	386
Republic Industries International	General machining, arc, gas, MIG, TIG & heliarc welding.	100
Richards-Klein Sheet Metal Fabricating, Inc.	Custom metal fabrication, sheet metal fabricating: conveyors, ducts & fittings.	18
River City Machine & Tool, Inc.	Steel & aluminum fabricating, general machining, drilling, boring, cutting, honing, arc & gas welding, surface grinding, lathe & mill work.	12
Rohm & Haas Co.	Acrylic emulsions, PVC modifiers.	332
Rollertech Manufacturing, Inc.	Conveyors & components.	4
RussTech, Inc.	Concrete additives and surface coatings as well as sodium glucoheptonate and other commodity chemicals; also a distributor of LiquiDow calcium.	15
S & S Tool & Machine Co., Inc.	Machine shop: precision machined parts, gauges & fixtures.	40
Safetran Systems Corp.	Railroad products & signal crossing equipment.	300
Saint-Gobain Quartz USA	Manufactures and distributes quartz fibers for the aerospace industry; quartz components for the semiconductor, heating and industrial markets.	17
Santa Rosa Systems, Inc.	Packaging machinery manufacturing.	48
Scheu & Kniss	Parts and service for rotary tablet presses.	48

Service Welding & Machine Company, Inc.	Steel storage tanks, carbon and stainless steel, above and underground for fuel, oils, chemicals and water. Standard sizes, single and double wall and delivered to your jobsite.	36
Six Sigma, Inc.	Hydraulic & electronic tooling systems.	38
Southern Graphic Systems, Inc.	Offset films, flexographic plate & gravure printing cylinders.	50
Specialty Gases	Industrial & specialty gases. Full service gas laboratory.	35
Spinal Systems, Inc.	Specialty back braces; orthopedic braces.	36
Spinnaker Industries Int'l, Inc.	Heating, cooling components.	12
Sport Paint Inc.	Automotive/industrial parts painting value added supplier.	70
Stryker Orthopaedics	Manufacture, distribute and sale orthopedics.	36
Sud-Chemie	Catalysts & clay products; headquarters.	150
Sud-Chemie, Inc.	Catalysts & clay products.	110
Sud-Chemie, Inc. (West Manu.)	Catalysts & clay products.	300
Superior Van Mobility LLC	Van conversion and wheel chair accessible vans.	20
Sypris Technologies, Inc.	Custom forging.	310
TopWorx, Inc.	Valve and power line monitors, controls & proximity limit switches.	150
Vendome Copper & Brass Works, Inc.	Distillation and brewery equipment: condensers and tanks, distillation columns and internal components, custom fabricated process equipment, heat exchangers and field installation service.	50
Vico Louisville LLC	Automobile brake and suspension components.	48
Vulcan-Hart	Commercial food service equipment.	40
WAKO Electronics (USA), Inc.	Appliance thermostats, sensors, switches for automotive and appliances.	80
Warner Machine & Tool	Automotive tooling, material handling equipment and robotics.	10
Westport Group	Axle module assembly, warehousing and line sequencing.	89
Whip-Mix Corp.	Dental equipment and supplies, investment jewelry casting, vacuum mixing laboratory equipment and gypsum powders. Milled zirconia dental restoration.	156
Winston Products	Food warming cabinets, breading tables, shortening filters & electric deep fryers; electronic food service equipment controls, timers, steamers and roasting ovens.	170
Yamamoto F B Engineering, Inc.	Fine blanked parts.	160
Zeon Chemicals LP	Synthetic rubber and corporate head quarters.	156
Ziniz Co.	Conveyors and special machinery.	100
Zoeller Pump LLC	Electric sump sewage, effluent and potable water pumps.	331
Ludlow		
Spati Industries	Filtration machinery and equipment.	13
Madisonville		
Bluegrass Mining Tools	Mining tools & drilling bits.	17

GE Aircraft Engine Div.	Aircraft engines, turbines, blades & vanes.	800
Hanner Machine Co.	Machine shop: precision machining, fabricated steel, hard chrome plating, custom welding, hydraulic cylinders & components.	14
International Automotive Components Group	Plastic automotive components and head liners.	212
Quality Fabrication, Inc.	Machine shop: general, CNC lathe, & mill machining, sheet, plate, ornamental & structural metal fabricating.	18
Scott Heavy Equipment, Inc.	Structural steel fabrications, conveyor structure, land mine clearing blade system, government contracting and manufacturer.	7
Marion		
Xtreme Tracker LLC	Manufacture global positioning system (GPS) devices and is the company headquarters.	6
Martin		
Frasure Manufacturing & Electrical Services	Electrical coal mining equipment, battery chargers & beltline starters.	5
Mayfield		
PSI Specialty Group	Electronic industrial control panels and wiring harness.	30
World Tower Co.	Radio, TV, microwave and cellular communication towers.	25
Maysville		
Emerson Power Transmission	V-belts, drives, sprockets, gears, ball & roller bearing units, sheaves, bushings, couplings, gear boxes and gear reducers, motorized conveyor pulleys.	528
Glenro, Inc.	Industrial ovens, flat bed lamination equipment, contract lamination, contract manufacturing.	30
Green Tokai Co., Ltd.	Weather stripping and auto trim.	343
Mitsubishi Electric Automotive America, Inc.	Automotive electronics including vehicle entertainment systems, ignition coils and engine control units.	340
Stober Drives, Inc.	Manufacture and assemble gearboxes and components.	65
Wald LLC	Conveyor system components; wire baskets, tubular handlebars, stamped fenders; automotive jack handles, lazy Susan posts, spare tire carriers, infant car seat components.	100
Welco Technologies	Custom electrical AC motors.	37
McKee		
Phoenix Products, Inc.	Metal and composite products for the military, and upholstery products.	17
Middleburg		
Green River Gate Inc.	Metal farm gates; hay feeders; grain feeders.	58
Means		
Boneal, Inc.	Provides manufacturing solutions for the most challenging outsourcing needs. Machining, metal stamping, metal fabrication, plastics, powder coating, integration and logistics.	98
Middlesboro		
Kirby Steel Products, Inc.	Metal truck equipment.	3

Logan Corp.	Machine shop: drill steel stems, CNC & precision machining.	7
Yeary Auto Electric	Automobile starters, alternators and drive shafts.	4
Millersburg		
Joy Mining Machinery - Stamler Products	Conveyor belt feeders, breakers, battery haulage systems, hydraulic mine & railroad car movers.	280
Morganfield		
EZ-Access Homecare Products, Inc.	Manufacture portable wheelchair ramps for van conversions and modular wheelchair ramps for home use.	20
Huff Technologies, Inc.	PC and PLC based systems to test production engines and subsystems. Custom test, assemble and inspect equipment. Processes machinery and systems for automotive and industrial industries.	10
T & G Industrial Equipment, Inc.	Industrial paint finishing equipment including washers, spray booths, ovens, conveyors (floor and overhead) for metal, wood and plastic products; custom sheet metal work.	8
Trelleborg, Inc., Western Kentucky Plant	Automotive ball joint seals, rubber bumpers, electrical connectors & miscellaneous molded rubber products.	220
Morgantown		
Casco Products Corp.	Automobile cigarette lighters and power outlets for automobiles.	30
Green River Feed Mill Inc.	Feed & fertilizer mixing & blending.	12
Morgantown Manufacturing Co.	Automobile parts & metal stampings; and assembly's storage and distribution.	25
Mount Vernon		
B & H Tool Works, Inc.	Specialty machinery.	32
Mt. Sterling		
Big Rapids Products, Inc,	Manufacture stainless steel products for exhaust systems and decorative trim for the automotive industry.	15 (Announced)
Cooper Standard Automotive	Molded & extruded rubber products, reinforced rubber hoses & automotive parts, fuel delivery systems.	575
Eastern Electroplate, Inc.	Hydraulic cylinder rebuilding & repairing.	6
Hoffman Enclosures, Inc.	Sheet metal & electrical & electronic enclosures.	330
Kyosan DENSO Manufacturing Kentucky LLC (KDMK)	Assembles automotive fuel systems and fuel pump modules.	489
Lexington Metal Systems	Automotive metal stamping.	98
Mountain Town Machining, Inc.	Machine shop: general & CNC machining; drilling, boring, cutting & honing; arc & gas welding; surface, ID & cylindrical grinding; lathe & mill work.	10
Summit Polymers, Inc.	Injection molded thermoplastic automotive products.	270
Murray		
Briggs & Stratton Corp.	Small engines for various applications.	585
Major Pharmaceuticals	Pharmaceutical preparations-wholesale.	4
R.T. Vanderbilt	Industrial chemical additives and petroleum product accelerators.	81
Webasto Roof Systems, Inc.	Automotive sunroofs.	66
Newport		

Hi-Gear Co., Inc.	Industrial sweeper parts.	12
Nicholasville		
Clark Machine Tool & Die, Inc.	Customer specific production machinery, special fixtures, special tooling, including electronics and computer programming on the machinery.	24
Crown Marketing Plan, Inc.	Multipurpose cleaners.	5
Custom Wiring, Inc.	Wiring harnesses & electrical sub assemblies.	37
Lexington Paint & Supply Co.	Industrial, latex, oil base, stains, varnish, water base & enamel paints.	9
Maru Manufacturing, Inc.	Metal and automotive stampings, sub-assemblies, assemblies, spot welding, debarring, riveting and tapping.	8
Multi-Link, Inc.	Telecommunications equipment.	12
Trim Masters, Inc.	Manufacturing car seats and frame assemblies for Toyota and Johnson Controls.	379
Owensboro		
AgriTrucking	Fertilizer blending and distribution.	24
CMI	Alcohol breath analyzers.	75
Dana Corporation	Steel pickup truck frames (Tundra and Sequoia).	145
Dart Polymers, Inc.	Polystyrene pellets & EPS.	140
Hendrick Screen Co.	Profile wire screens, water intake screens, grating, petro chemical screens, food processor screens. Architectural screens and grating.	38
Industrial Mold & Machine Co.	Machine shop: general, CNC & electrical discharge machining; injection & blow molds; arc, MIG & TIG welding; mill & lathe work.	23
Kentucky BioProcessing LLC	Contract research and manufacturing organization focusing on natural products and plant made proteins.	8
Miles Farm Supply LLC	Agricultural distribution center.	175
MPD, Inc.	Commercial tubes & components, microwave & police radar equipment, breath analyzers, ceramics & ceramic to metal seals.	240
MPH Industries	Radar equipment.	55
Owensboro Grain Company LLC	Soybean crude oil and meal; biodiesel.	159
Owensboro Specialty Polymers LLC	Specialty polymers manufacturing.	48
Plastech	Plastic blow molded automotive parts.	200
Southern Tank & Manufacturing	Machine shop: sheet metal & plate fabricating; storage tanks & heat exchangers.	27
Toyotetsu Mid America LLC	Automotive stamping and welded assemblies.	540
Tri-Star Metals, Inc.	Steel bar distributor: Alloy carbon, stainless, tool steel and high speed steel bars, manufacture band saw guides and general machine shop.	3
Owenton		
Actaris Metering Systems	Gas meters, gas pressure fittings & regulators.	210
Owingsville		
Accutronix Manufacturing Services	Electronic subassemblies & printed circuit boards, provide cable assemblies.	38
Southern States Cooperative, Inc.	Custom blend fertilizer.	13
Paducah		

Acoustic Design, Inc.	Assemble parts for stereo speakers.	20
Arch Environmental Equipment	Manufacture conveyor belt components & accessories.	40
Cole Electric Supply, Inc.	Heating & air conditioning fittings & sheet metal fabricating & electrical supplies.	17
Dynatorch	Develops and manufactures high performance plasma CNC cutters; headquarters.	11
H B Fuller Co.	Adhesives.	78
Marine Systems, Inc.	Machine shop: drilling, boring, cutting, honing, lathe & mill work, general machining, steel fabricating, arc & gas welding & marine repair. Repair & rebuild EMD diesel engines.	56
Matweld, Inc.	Hydraulic railroad track maintenance equipment.	20
Southland Renewable Fuels LLC	Biodiesel manufacturing, oilseed processing and tank farm.	65 (Announced)
USEC Paducah Plant	Government and uranium enrichment.	1,197
Paintsville		
Celerity Automation, Inc.	Monorail system used to enhance speed and efficiency of material handling and packing industry. Also an R & D facility.	21
Paris		
Central Motor Wheel America	Automotive wheels – steel and aluminum.	475
Easy Gardener Products, Inc.	Fertilizer spikes, lawn care products.	41
EnovalPremier of Kentucky, LLC	Tire & wheel assembly.	91
ITW Ramset, Division of Illinois Tool Works, Inc.	Powder actuated fasteners, fastening systems, stud guns.	55
Mallinckrodt-Baker, Inc.	High purity chemicals.	250
Paris Machining Division	Machine steering arms & tie rods for heavy-duty trucks.	43
Prime Finish LLC	Apply paint and coating to plastic automotive components, consumer electronic components, medical devices, etc. Applies wood grain, carbon fiber, brushed aluminum and other coatings.	67
Quick Tek Machining LLC	Contract and production of machinery.	15
W B Manufacturing LLC	Steel fabricating and CNC custom machining.	5
Park City		
GSYS Military Products LLC	Manufacture and install collision warning systems in commercial trucks.	3
JASCO International	Automotive electronic fuse box assembly.	22
Yahagi America Molding, Inc.	Injection molding and assembly for automotive plastic parts.	38
Pikeville		
Agresti Biofuels	Ethanol distillation from municipal solid waste.	250 (Announced)
Busy Bee Septic Systems Ltd.	Sewage treatment septic tanks, wet wells & holding tanks, portable toilet rentals.	10
Johnson Industries, Inc	Mining machinery & equipment, conveyor tail pieces, personnel carriers & laser systems.	44
Mark West Energy Partners, LP Boldman Natural Gas Processing Plane	Natural gas processing and natural gas liquid fractionation.	3
Southern Mine Hydraulic Service	Hydraulic mine component rebuilding.	4

Prestonsburg		
Republic Diesel	Automotive & truck drive shafts.	10
Princeton		
Hydro-Gear LP	Designs & manufactures hydrostatic pumps, transmissions & trans-axles for the lawn & garden industry.	77
Providence		
W D Hydraulics, Inc.	Hydraulic components.	7
Richmond		
B & H Tool Works Inc.	A full service tooling, machining, stamping and fabrication job shop. Capabilities include CNC, EDM and laser machining. Progressive and hand transfer stamping capabilities.	118
Blue Grass Chemical Agent Destruction Plant	Chemical weapons destruction, administrative management support.	45
Ford Hall Company, Inc.	Water & waste water equipment.	21
GR Spring and Stamping, Inc.	Automotive stamping.	100
Kokoku Rubber, Inc.	Rubber syringe stoppers, automobile parts. Auto, medical pharma, business machines and electronics. Seals, gaskets, O-rings for automotive.	140
Lectrodryer LLC	Industrial dryers & dehydration equipment.	48
Richmond Auto Parts Technology, Inc.	Automotive transmission gears; chassis components and automotive transmission components.	276
Sherwin-Williams Automotive Finishes Corp.	Automotive coatings & finishes.	198
Richwood		
Kustom Blending, Inc.	Blended resins and solutions for graphic arts industry.	76
Russell Springs		
Bruss North America, Inc.	Automotive engine & transmission sealing systems.	155
Hitachi Cable Indiana Kentucky Plant	Automotive parts.	117
Lily Creek Industries	Diesel engine parts.	34
Superior Battery Manufacturing	Automotive & commercial vehicle batteries.	150
Russellville		
Amtech LC	Industrial strength dust collectors, smoke collectors, fume collectors, and anti-pollution devices.	12
Carpenter Co.	Carpet cushioning, polyester fiber, filter media and polyurethane foam for use in bedding, consumer products, home furnishings and medical furnishings.	375
General Products Corporation	Manufacture and assembly of cast iron and aluminum castings to manufacture products for products for the automotive and heavy duty truck industries.	39
H & H Sheet Metal Fabricators	Machine shop: MIG, TIG, arc, gas, portable & heliarc welding; sheet metal fabricating; drilling, cutting, boring, honing, mill & lathe work.	100
Tuckasee Irrigation, Inc.	Irrigation equipment.	4

Sacramento		
Miles Farm Center/Plant 3	Feed and fertilizer mixing and blending.	7
Salyersville		
Continental Conveyor & Equipment Co.	Conveyor equipment.	300
Scottsville		
Sumitomo Electric Wiring Systems	Automotive electronic wire harness components.	300
Sedalia		
Vegan Metal Fabricators Co.	Shelving racks; metal racks, dollies and material handling products.	19
Shelbyville		
Aaper Alcohol & Chemical Co.	Ethyl alcohol, specially denatured alcohol, headquarters.	44
Blaze Products Corporation	Manufacture chafing dish fuel.	34
Irotas Manufacturing Co.	Hydraulic & pneumatic cylinders, roller conveyors; build steel cylinders.	37
Johnson Controls, Inc.	Automobile seat assembling.	465
Katayama American Co., Inc.	Automotive door sashes and moldings.	273
Martinrea Stamping and Frame Division	Automotive parts stamping.	271
Miles Farm Center	Fertilizer blending.	21
Nifco, Inc.	Manufacture plastic injection molded fastners for the automotive industry.	73
Process Machinery, Inc.	Manufacture and distribute products for the aggregate processing industry.	70
Wikoff Color Corp	Printing ink, overprint varnish, press chemicals, aids and aqueous coatings.	10
Simpsonville		
Isopure Corp	Reverse osmosis water purifying equipment, water purification equipment deionization for medical applications.	5
Smithfield		
Safety-Kleen Systems, Inc.	Industrial waste management. Energy recovery/recycling of hazardous and non-hazardous wastes.	101
Smiths Grove		
Farmers Fertilizer Co., Inc.	Fertilizer blending, AG chemicals and field seeds.	10
Somerset		
Aspen Compressors LLC	Manufacture miniature compressors for defense and civilian use.	1
Cornett Machine Shop, Inc.	Machine shop: general machining, arc welding & engine rebuilding.	22
Gator Made, Inc.	Utility trailers.	23
Hendrickson USA LLC	Trailer suspension systems for the heavy-duty transportation industry.	46
Jondy Chemicals, Inc., Ultrashield Division	Flame retardant chemicals; stain protectors; stain resistant mattress pads & leather protection care, wood protection care.	34
Kentucky Hardwood Lumber Co.	Hardwood lumber.	68
Progeny Systems Corporation	Engineer and manufacture Dept of Defense equipment - remote monitoring sensor system.	24 (Announced)

Somerset Energy Refining, LLC	Gasoline, kerosene, diesel & industrial fuels.	30
Somerset Tool & Die Corp	Machine shop: tools, dies, jigs & fixtures.	2
Summit Aviation, Inc.	Manufacture, modify and fabricate aviation components.	11
Toyotetsu America, Inc.	Structural automotive components & stampings.	795
UGN, Inc.	Manufacture automotive sound proofing.	172
Warner Fertilizer Co., Inc.	Blending of dry bulk fertilizer materials, bagging blended grades, sell crop protection chemicals, field see, seed corn, custom truck applications and spraying.	18
Sonora		
NSU Corp	Automobile muffler components; quietening agents.	86
South Shore		
Mark West Energy Partners LP	Natural gasoline, propane, butane and isobutene.	34
Springfield		
All Weather Insulation LLC	Manufacture and sales of cellulose insulation and hydro seeding mulch. Distributors of fiberglass and metal building insulation.	27
Akebono Brake –Springfield Plant	Friction brake pads.	127
Ecofin LLC	Rural community integrated biorefinery – utilizes cellulose, corn cobs and corn stover for conversion to ethanol. R&D and produces carbon dioxide and distillers’ grain for animal feed.	93 (Announced)
INOAC	Automobile armrests & interior plastic parts, seat trim components, instrument panel components.	325
Toyotomi America Corp	Automotive after-market products; automotive stampings.	213
Stamping Ground		
Commonwealth Tool & Machine Co.	Design, build and integrate robotic welding equipment, resistance welders, spot welders, end effectors, tool & die, special machines & gauges, EDM work, materials handling equipment.	43
Wise Tool, Inc.	Specialty machining & tooling.	1
Stanford		
Brake Parts, Inc.	Automobile & truck disc brakes.	460
DecoArt, Inc.	Acrylic paints for arts, crafts and home decorating.	65
Lincoln Manufacturing USA LLC	Stamping, welding and machining operations to produce parts for the automotive industry.	71
Lincoln Tool & Die Co., Inc.	Machine shop: parts, tool & die.	15
Stanton		
Stantek LLC	Toner cartridge remanufacture, electronic assemblies, welding, wire harness, and warehousing.	42
Stearns		
Armorshield USA LLC	Body armor for military and law enforcement applications.	22
Sturgis		
Mine-Safe Electronics, Inc.	Methane monitoring equipment, fire sensing & voice communication equipment; mfg and repair mine phones, mine equipment. Two way radio sales and service.	18

Saturn Machine & Welding Co.	Specialty machinery, structural jam cleaners & pollution control equipment; steel fabricating.	62
Summer Shade		
Kingsford Manufacturing Co.	Charcoal briquettes.	95
Tompkinsville		
Froedge Machine & Supply Co.	Machine shop: specialty, general & CNC machining; drilling, boring, cutting & honing; surface grinding; welding; lathe & mill work; tool & die; lumber handling equipment.	45
Utica		
Ohio Valley Truck Equipment, Inc.	Truck bodies & wheelchair lifts.	8
Vanceburg		
Superior Fibers LLC	Fiberglass automobile door panels, cotton ironing board pads.	130
Versailles		
Woodford Feed Co., Inc.	Feed and fertilizer grinding, mixing and blending.	36
Y H America, Inc./Div. 1	Automobile air conditioning and power steering hoses, fittings and assemblies; fluid conveying products.	310
Y H America, Inc./Div. 2	Sealants & primers.	38
Wallins Creek		
Huckleby Rebuild & Electric, Inc.	Mining machinery rebuilding, Mining equipment repair, coal mine related repair, and bins for tipples.	4
Walton		
Atech Training, Inc.	PC board assembly; automotive simulators: electronic & port fuel injectors.	40
Best Sanitizers, Inc.	Manufacture and distribute alcohol-based hand sanitizing liquids.	15
Faurecia Automotive Seating	Manufacture automobile seat recliners from component parts.	190
Fuji Autotech USA LLC	Automotive seat components, steering columns, and shifter selectors.	130
MACH III Clutch, Inc.	Designs and manufactures air actuated friction clutches and brakes; spring actuated friction clutches and brakes; combination air set clutch/spring set brakes; and mechanical friction torque limiters.	10
Messier-Bugatti USA, LLC	Airplane brake disc manufacturing and refurbishment; airplane wheel assembly.	192
Purestream, Inc.	Sewage treatment equipment and waste water treatment.	16
Vertical Systems International LLC	Vertical lifts, pallet stackers/unstackers and spiral conveyors.	20
Waltex NKY LLC	Specialty and automated welding machinery.	25
Whitesburg		
Hall Equipment & Supply Co., Inc.	Mining machinery rebuilding.	18
Wickliffe		
Mead Westvaco Corp.	Activated carbon.	57
Wilder		
Andrews Laser Works Corp.	Provider of laser processing, metal stamping,	52

	welding, fabrication, and machining services; and manufacturer of jet engine components.	
Williamsburg		
Firestone Industrial Products	Air springs.	400
Winchester		
AG/GRO Fertilizer Co., Inc.	Mixed, blended & chemically impregnated fertilizers.	25
Ainak, Inc.	Manufacture parts for the automotive industry.	130
Brake Parts, Inc.	Research & development; brake pads.	35
Catalent Pharma Solutions	Pharmaceutical processing.	340
Custom Cylinders International, Inc.	Manufacturing OEM hydraulic & pneumatic cylinders, paintball accessories, precision machining and hydraulic repair service.	9
GECOM Corp.	Automotive Components.	202
J & T Distributing; J & T Munitions	Manufacture and assembles ammunition and various firearms.	24
Johnson Controls, Inc. Winchester Service Center	Automotive seating service center and production parts export consolidation center.	39
Southern States Cooperative, Inc.	Blended fertilizers, raw materials	11
Univance, Inc.	Automatic transmission parts, auto & motorcycle parts, forklift transmissions and ATV differential units.	64
Wurtland		
Sun Chemical PCI, Inc.	Copper phthalocyaniniblu crude manufacturing.	55
	Total Employment	99,027

Source: Kentucky Cabinet for Economic Development. February 2009 Data.