

Missouri has a robust aerospace manufacturing sector with the resources to support all kinds of businesses.

Missouri is a top 5 state for aerospace manufacturing attractiveness according to a 2016 report by PwC.

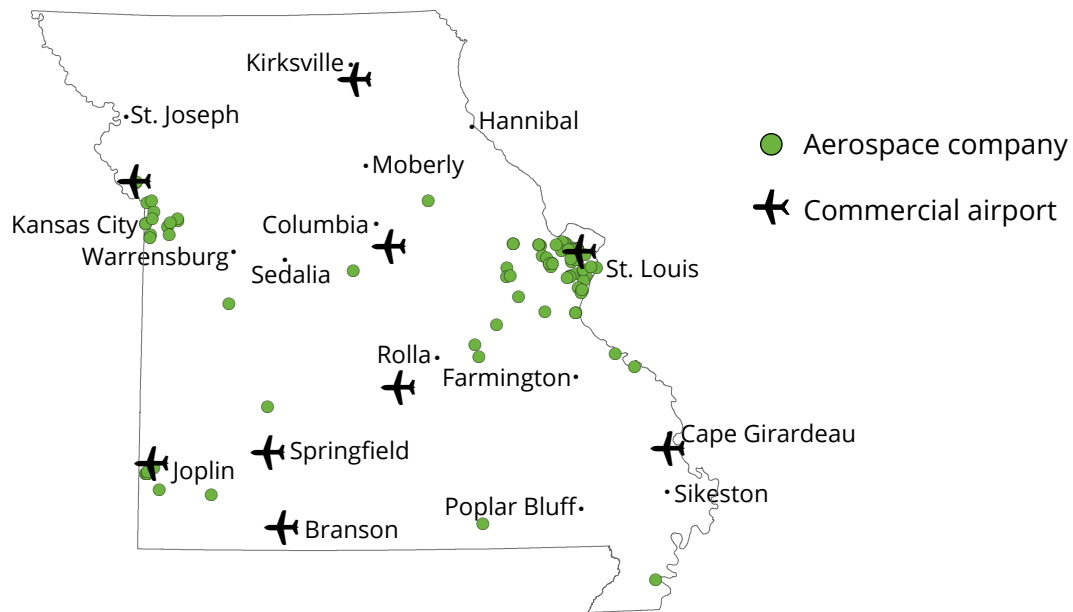
Major Missouri aerospace companies include Boeing, GKN Aerospace, LMI Aerospace, and PAS Technologies.

Boeing announced plans to bring up to 2,000 new jobs to Missouri over the next decade and part of a new 777x production line, representing the first time in company history that any commercial aerospace manufacturing will occur in Missouri.

Fortune 1000 manufacturers headquartered in Missouri in 2016 include: Emerson, Monsanto, Edgewell Personal Care, Leggett & Platt, Olin, and Belden.

Missouri's top international export products in 2015—which exceeded \$13.6 billion—were: transportation equipment, chemicals, machinery, food products, and electrical equipment (*Source: International Trade Administration*).

Manufacturing contributes nearly \$36 billion (12.8 percent) toward Missouri's gross state product of over \$279 billion (*Source: BEA, 2014*).



Missouri aerospace companies



Alcoa Titanium & Engineered Products (*Washington*) (formerly RTI Advanced Forming) provides super plastic formed (SPF) and hot-formed titanium components to the world's leading aerospace and military OEMs for a wide range of aircraft.



NEW Aviation Technical Services, (*Kansas City*) one of North America's largest third-party aircraft maintenance providers, recently announced plans to expand to Missouri, creating over 500 jobs in the next three to five years.



EXPANSION Boeing (*St. Louis*) announced plans to bring up to 2,000 new jobs to Missouri in 2013 and 2014. In 2014, Boeing revealed that a new production line for the 777x would be added in St. Louis and announced plans to bring an additional 500 jobs to St. Louis for service and support of the F-22 Raptor aircraft. In 2013, Boeing announced the creation of an information technology center in St. Louis, resulting in at least 400 new IT jobs, and also announced plans to add an additional 400 research and technology jobs. The company's Defense, Space & Security unit, which is headquartered in St. Louis with approximately 15,000 area employees, makes military aircraft, missiles, airborne lasers, and Unmanned Combat Air Vehicles (UCAVs). F/A-18 Super Hornets and F-15 E Strike Eagles, mainstays of the Navy and Air Force, are designed and built in St. Louis. The unit is also NASA's prime contractor for the International Space Station and makes information and communications satellite systems. Boeing recently opened a new research laboratory in St. Charles to test hardware and software for drones and unmanned vehicles.



F/A-18 Hornet & Super Hornet



F-15E Strike Eagle



EA-18G Growler



Harpoon



Ducommun, (*Joplin and St. Louis*) previously known as Labarge, is a broad-based supplier of electronics to many industrial markets, including aerospace and defense. The company produces high temperature cable assemblies for use in jet engines that are installed in both military and commercial aircraft.



Essex Industries Inc. (*HQ St. Louis*) designs, develops and manufactures products for the defense and aerospace; commercial, private and sport aircraft industries. The company's products include aerospace and automotive valves, precision controls, and pilot flight/armament control grips.





GKN Aerospace (*St. Louis*) is a first-tier supplier of structures, components, assemblies and engineering services to aircraft and aero engine manufacturers, including Boeing.



Heizer Aerospace (*HQ Pevely*) specializes in large and complex airframe components for the aircraft/aerospace industry.



EXPANSION High Tech Solutions, LLC (*HQ Lee's Summit*) announced a \$14.4 million headquarters relocation and expansion project in 2016. The company plans to add a new 22,000 square foot building and equipment as well as 46 new employees.



EXPANSION LMI Aerospace (*HQ St. Charles*) recently announced plans to expand its machining operation in Washington, creating 60 new jobs over the next three years and making a \$17.5 million capital investment. LMI makes key airplane structures including door and cockpit window frames, wing leading-edge skins, fuselage skins, and interior components.



EXPANSION May Technology (*HQ Kansas City*) manufactures parts for the B-2 bomber and Boeing 777X airliner. In 2014, the company announced plans to nearly double its Kansas City operation, investing \$7 million in new equipment.



PAS Technologies (*HQ Kansas City*) provides maintenance, repair, and overhaul solutions for commercial and military OEMs in the oil and gas/ petrochemical, and industrial gas turbine markets.



Patriot Machine Inc. (*HQ St. Charles*) manufactures and supplies commercial and defense aerospace products including prototypes and production parts in aluminum and hard metal. The company's capabilities include deep pocket milling, complex closed-angled contoured features, precision holes of all orientations, sub-assembly and many more.



EXPANSION R&S Machining (*St. Louis*) recently broke ground on a new 40,000 square foot manufacturing facility, making a \$6 million investment that the company expects will include the creation of 10 to 15 new jobs. R & S manufactures aerospace components and does machining work for other industries.



Sabreliner Aviation (*HQ Perryville*) provides maintenance and repair services and parts for business jets and other older corporate and military aircraft.



Seyer Industries (*HQ St. Peters*) specializes in the development, manufacture, and aftermarket support of aerospace, maritime, and training products. The company's capabilities include CNC machining, mechanical and electrical assembly, painting, kitting and welding.



Triumph Structures (*Kansas City*) is a manufacturer of precision and extrusion machine parts and mechanical assemblies. The company serves clients in the aviation, aerospace, commercial and defense industries, including Boeing, Raytheon, Northrup Grumman.

Missouri aerospace manufacturing companies

Company Name	City	Employees	Sales
3323: Architectural and Structural Metals Manufacturing			
Mid-America Precision Products	Joplin	98	\$16,063,000
W-B Industries	O'Fallon	44	\$11,811,000
3327: Machine Shops			
Best Technologies	Kansas City	68	\$10,330,000
Computech Manufacturing Co	Washington	40	\$7,641,000
Austin Machine	O'Fallon	50	\$7,781,000
Brogdon Machine	Blue Springs	49	\$10,450,000
CNC Machine Products Inc	Joplin	80	\$11,561,000
Davlan Engineering Inc	St. Louis	50	\$7,437,000
High Tech Solutions LLC	Lee's Summit	25	\$5,720,000
Machine Laboratory	Chesterfield	70	\$10,411,000
Mastercraft Tool Co	Earth City	23	\$4,393,000
Planet Tool & Engineering	O'Fallon	50	\$7,781,000
Precision Prototyping & Mfg	St. Louis	20	\$3,463,000
R & S Machining	St. Louis	20	\$2,975,000
Steelville Manufacturing Co	Steelville	65	\$10,855,000
United Engineering Co	Pevely	99	\$18,913,000
3328: Coating, Engraving, Heat Treating, and Allied Activities			
Jet Midwest Technik	Kansas City	71	\$10,391,000
3329: Other Fabricated Metal Product Manufacturing			
Arnold Defense & Electronics	Arnold	28	\$5,171,000
Essex Industries Inc	St. Louis	30	\$7,500,000
3332: Industrial Machinery Manufacturing			
STROCO Mfg. Inc.	Hazelwood	25	\$8,500,000
3335: Metalworking Machinery Manufacturing			
Carr Lane Mfg Co	St. Louis	120	\$25,397,000
Homeyer Precision Mfg.	Marthasville	43	\$8,300,000
May Technology & Mfg. Inc.	Kansas City	65	\$15,300,000
Patterson Mold and Tool	St. Charles	70	N/A
Titanova, Inc.	St. Charles	7	\$1,300,000
U.S. Integrity Machine	Union	5	\$167,850
3341: Computer and Peripheral Equipment Manufacturing			
Westar Display Technologies	St. Charles	35	N/A

Company Name	City	Employees	Sales
3345: Navigational, Measuring, Electromedical, and Control Instruments Manufacturing			
DIT-MCO International Corp	Kansas City	110	\$21,253,000
Ducommun Labarge Technologies	Joplin	350	\$80,772,000
Ducommun Labarge Technologies	St. Louis	30	N/A
Dynic Labs Inc	St. Louis	5	N/A
Ewr Radar Systems	St. Louis	14	\$4,766,000
GKN Aerospace	Hazelwood	975	\$8,257,000
Heizer Aerospace	Pevely	125	\$41,125,000
Lockheed Martin Corp	St. Louis	41	\$13,959,000
Precision Aero Svc Inc	Nevada	17	\$5,787,000
3359: Other Electrical Equipment and Component Manufacturing			
Eagle Picher Technologies LLC	Joplin	1,250	N/A
3364: Aerospace Products and Parts Manufacturing			
Advanced Aircraft Extinguishers	Blue Springs	8	\$2,544,000
Aerospace Filtration Systems	Chesterfield	40	N/A
Airpath Instrument Co	Bridgeton	19	\$6,042,000
Alcoa Titanium & Engineered Products	Washington	180	\$20,179,000
ALM Tech Group	Sullivan	35	\$11,130,000
Aviation Fabricators	Clinton	16	\$5,088,000
Avion Manufacturing	Wright City	20	\$4,218,000
Boeing Defense Space & Scrty	Hazelwood	15,600	\$1,214,900,000
Central Ozark Machine Inc	Alton	28	\$8,904,000
DRS Sustainment Systems Inc	St. Louis	50	\$17,400,000
Essex Manufacturing Div	St. Louis	125	\$31,800,000
Georgian Aerospace Group Inc	Chesterfield	11	\$3,498,000
Gerding Enterprises	Dittmer	20	\$6,360,000
Growth Industries Inc	Grandview	75	\$31,800,000
Herndon Products Inc	O'Fallon	70	N/A
HM Dunn Aero Systems	St. Louis	72	\$42,232,000
Honeywell	St. Louis	80	\$18,149,000
Kemco Aerospace Mfg	St. Louis	60	\$19,080,000
LMI Aerospace Inc	Washington	60	\$13,400,000
LMI Aerospace Inc	Cuba	2	\$500,000
LMI Aerospace Inc	St. Charles	126	\$42,899,000
LMI Aerospace Inc	St. Charles	400	N/A
McCay Tool & Engineering Co	St. Louis	24	\$7,632,000
Mid-Continent Aircraft	Hayti	40	\$11,300,000
Midway Machining Co Inc	Neosho	26	\$1,512,000
Missouri Metals	St. Louis	49	\$1,039,000
O & F Machine Products	Joplin	60	\$19,080,000
Patriot Machine Inc	St. Charles	120	\$18,840,000
Phoenix Aerospace Inc	Kansas City	25	\$7,950,000



Company Name	City	Employees	Sales
(Continued) 3364: Aerospace Products and Parts Manufacturing			
Roderick Arms	Monett	23	\$2,100,000
Sabreliner Aviation	Perryville	100	\$218,950,000
Sabreliner Aviation	Ste. Genevieve	40	\$31,800,000
Seyer Industries Inc	St. Peters	150	\$35,465,000
Tana Wire Marker	California	6	\$784,000
Tech Manufacturing Co	Wright City	33	\$10,494,000
Triumph Structures-Kansas City	Grandview	125	N/A
Ultrax Aerospace Inc	Lee's Summit	45	\$24,772,000
Valley Technologies Inc	Valley Park	30	\$9,540,000
Zenith Aircraft Co.	Mexico	18	\$1,700,000
4881: Support Activities for Air Transportation			
Aviation Technical Svc	Kansas City	200	\$655,000
Avmats Corpair	O'Fallon	25	\$2,520,000
AVMATS Engine Support	O'Fallon	100	\$12,010,000
AVMATS Engine Support	Chesterfield	50	\$6,525,000
Dallas Air Motive Regional	Chesterfield	5	\$742,000
Jetcorp Technical Services Inc.	Chesterfield	100	\$11,666,000
KCAC Aviation	Chesterfield	N/A	\$2,200,000
PAS Technologies Inc	Kansas City	230	N/A
R & D American Aviation	Lee's Summit	4	\$487,000

Source: Reference USA and Hoovers

"We're very excited to be expanding to Kansas City. Joining this established and well-known aerospace community will allow us to launch operations quickly in order to support the growing needs of our customers."

Matt Yerbic, President and CEO, Aviation Technical Services

