

# 主要飞机制造商一览

## 全球领先公务机制造商及市场现有和即将上市的公务机型号一览

## The Major Aircraft Manufacturers at a Glance

*Here's a look at the world's leading business jet manufacturers and their current and upcoming models.*

作者: by Matt Thurber



空中客车 AIRBUS

总部: 法国布拉尼亚克  
Headquarters: Toulouse, France

**销售情况 (公务机):** 2013年销量为6架, 销售额达5.1亿美元。  
**Sales (business aircraft):** 2013—six units, \$510 million

**在产机型:** ACJ318, ACJ319, ACJ320及VVIP宽体机型  
**Aircraft in production:** ACJ318, ACJ319, ACJ320, plus VVIP widebodies

空中客车于1997年迈入公务机市场, 当年推出的首款空客公务机 (ACJ) 为A319民航客机的改版。空中客车现有三款单过道公务机, 分别为ACJ318、ACJ319、ACJ320。空客公务机计划从2018年起推出ACJ319和ACJ320的NEO版“新引擎选型”。为了满足对空间和远航性能有极高要求的政府客户及其它客户的需求, 空中客车还生产宽体民航客机A330、A340、A350、A380的公务机型。

Airbus entered the bizliner market in 1997 with the Airbus Corporate Jet (ACJ), an executive version of its A319 airliner. The company's three single-aisle bizliners are now named the ACJ318, ACJ319 and ACJ320. Airbus Corporate Jets plans to offer the “new-engine option” (neo) for the ACJ319 and ACJ320 beginning in 2018. For government and other customers requiring the ultimate in space and long-distance capability, Airbus also produces executive versions of its A330, A340, A350 and A380 widebody jetliners.



比奇飞机公司 BEECHCRAFT CORPORATION

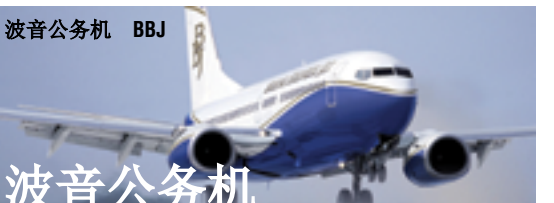
总部: 美国堪萨斯州威奇托  
Headquarters: Wichita, Kansas

**销售情况 (公务机):** 2013年销量为211架, 销售额达10.59亿美元 (包括70架活塞发动机飞机)  
**Sales (business aircraft):** 2013—211 units, \$1.059 billion (totals include 70 piston aircraft)

**在产机型:** King Air C90GTx, 250, 350i  
**Aircraft in production:** King Air C90GTx, 250, 350i

比奇飞机公司的历史可以追溯到1937年, 沃尔特·比奇 (Walter Beech) 在这一年推出了Model 18飞机, 据说该机为全球首款头等舱级别的双引擎公务机。1964年比奇飞机公司推出了双引擎涡轮桨机型King Air, 这款公务机历经数次改进升级, 至今仍在生产当中。1980年雷神 (Raytheon) 收购比奇之后, 把它与另一公务机品牌豪客合并, 公司名称改为豪客比奇。2013年2月豪客比奇脱离破产保护并更名为比奇公司, 比奇公司不再生产公务机, 而是专注于涡轮桨飞机的生产。3月德事隆集团 (Textron) 收购了比奇飞机公司, 将它与赛斯纳合并, 创建了德事隆航空公司。

Beechcraft Corporation traces its roots back to 1937, when Walter Beech introduced the Model 18, arguably the first cabin-class, twin-engine business airplane. That effort morphed in 1964 into the twin-turboprop King Air model, which has since undergone multiple upgrades and remains in production to this day. Raytheon bought Beech in 1980, adding the Hawker business jet brand, and the company became Hawker Beechcraft. It emerged from Chapter 11 bankruptcy in February 2013 as the Beechcraft Corporation, which no longer produces a business jet and instead focuses exclusively on its turboprop line. In March, Textron acquired Beechcraft, merging with Cessna to create Textron Aviation.



波音公务机 BOEING BUSINESS JETS

总部: 美国华盛顿州西雅图  
Headquarters: Seattle, Washington

**销售情况 (公务机):** 2013年销量为7架, 销售额达3.405亿美元。  
**Sales (business aircraft):** 2013—seven units, \$340.5 million

**在产机型:** BBJ, BBJ2, BBJ3及VVIP宽体机型  
**Aircraft in production:** BBJ, BBJ2, BBJ3 plus VVIP widebodies

BBJ使用了两种737机型的部件: 737-700系列的机身、和尺寸更大的737-800系列的机翼、起落架、中段机身。较之BBJ, BBJ2 的机身更大更长, 机舱容量多出25%。而BBJ3的机身比前两款更大, 它是在737-900ER的基础上设计的。自2018年起, BBJ1、BBJ2和BBJ3将转移升级至Max平台, 它们的发动机将升级为CFM International Leap-1B, 油耗将降低12%。所有的波音喷气机, 从737到机身最大型号最新的747-8和787都有VVIP机型。

The BBJ combines components of two 737 models: the 737-700 series airframe and the larger 737-800 series wing, landing gear and center fuselage section. A larger, stretched version called the BBJ2 boasts 25 percent more cabin capacity and the even larger BBJ3 is based on the 737-900ER. Starting in 2018, the BBJ1, BBJ2 and BBJ3 will be transitioning into the Max platform, with 12 percent improved fuel burn offered by the upgrade to the CFM International Leap-1B engine. All Boeing jets from the 737 to its largest and newest 747-8 and the 787 are available in VVIP versions.



庞巴迪 BOMBARDIER

总部: 加拿大蒙特利尔  
Headquarters: Montreal, Canada

**销售情况 (公务机):** 2013年销量为180架, 销售额达63.33亿美元。  
**Sales (business aircraft):** 2013—180 units, \$6.333 billion

**在产机型:** 里尔70、75、60XR; 挑战者300、605、850; 环球5000、6000  
**Aircraft in production:** Learjet 70, 75, 60XR; Challenger 300, 605, 850; Global 5000, 6000

1942年庞巴迪以生产雪地摩托车起家, 如今它已成长为全球最大的公务机和支线飞机生产商。在过去的20年里, 庞巴迪推出了多款公务机, 产品阵容包括里尔40/45和70/75、挑战者300和605、环球5000和6000。即将上市的里尔85将成为全球首款全复合材料公务机。超远航公务机环球7000和8000将分别于2016年和2017年上市。

Bombardier started out as a snowmobile manufacturer in 1942 and has grown into one of the world's largest producers of business jets and regional airliners. In the last two decades, the company has introduced several business jet models, including the Learjet 40/45 and 70/75, Challenger 300 and 605 and Global 5000 and 6000. The forthcoming Learjet 85 will be the first all-composite business jet. The ultra-long-range Global 7000 and 8000 models will join the fleet in 2016 and 2017, respectively.



大合一索卡达 DAHER-SOCATA

总部: 法国塔布  
Headquarters: Tarbes, France

**销售情况 (公务机):** 2013年销量为40架, 销售额达13.9亿美元。  
**Sales (business aircraft):** 2013—40 units, \$1.39 billion

**在产机型:** TBM 850  
**Aircraft in production:** TBM 850

大合一索卡达的高速单引擎涡轮桨飞机TBM850在搭载6名乘客, 飞行高度为3万1千英尺时, 航速可达320海里/小时。索卡达TBM850以最高时速航行时, 航程可达1400海里 (启动备用油量), 或以252海里/小时的时速航行时, 其航程可接近1600海里, 它可以在长度仅为2100英尺的跑道上起落。工业巨头大合集团2013年刚刚庆祝了150岁生日, 它在2009年收购了索卡达。

Daher-Socata's speedy single-engine turboprop TBM 850 cruises at 320 knots as high as 31,000 feet while carrying up to six occupants. Range at top speed is more than 1,400 nautical miles with reserves or nearly 1,600 nautical miles at the 252-knot long-range cruise speed, yet the TBM 850 can land on runways as short as 2,100 feet. Industrial conglomerate Daher, which celebrated its 150th anniversary in 2013, purchased Socata in 2009.



赛斯纳 CESSNA AIRCRAFT

总部: 美国堪萨斯州威奇托  
Headquarters: Wichita, Kansas

**销售情况 (公务机):** 2013年销量为450架, 销售额达16.46亿美元 (包括206架活塞发动机飞机)  
**Sales (business aircraft):** 2013—450 units, \$1.646 billion (totals include 206 piston aircraft)

**在产机型:** 凯旋号; 奖状系列, 包括野马、M2、CJ2+、CJ3、CJ4、加演号+、XLS+、君主号+、X  
**Aircraft in production:** Caravan; Citation Mustang, M2, CJ2+, CJ3, CJ4, Encore+, XLS+, Sovereign+ and X models

1927年赛斯纳制造出了第一架飞机, 时至今日它已经总共制造出了19万架飞机。在全球共计1万6千架现役公务机中, 有三分之一是赛斯纳制造的。赛斯纳共有11种公务机型, 其中包括超轻型喷气机奖状野马和新奖状X, 后者的最高速度可达0.935马赫, 将成为世界上最快的民用飞机。其它机型包括新奖状M2、奖状纬度、奖状经度、奖状X和奖状君主号升级版。为了满足日益增长的亚洲公务机市场的需求, 赛斯纳将在中国生产奖状XLS、奖状君主号和奖状纬度, 并与中国航空工业集团公司合作研发全新喷气机。

Cessna built its first airplane in 1927 and has since rolled out more than 190,000. Of the roughly 16,000 business jets in operation worldwide, Cessna has produced a third of them. The company's 11 business jet models span the Mustang very light jet and continue up the spectrum to the new version of the Citation X, which will be the world's fastest civil airplane with a top speed of Mach 0.935. Other offerings include the new M2, Latitude, Longitude, X and upgraded Sovereign. To serve the growing Asian market, Cessna will produce models in China—the XLS+, Sovereign and Latitude—and develop an entirely new jet with China's Avic.

## 其它公务机制造商 OTHER BUSINESS AIRCRAFT MANUFACTURERS

西锐飞机公司 艾克斯特飞机公司 Quest飞机公司  
美国明尼苏达州Duluth 德国Hünxe 美国爱达荷州 Sandpoint  
Cirrus Aircraft Extra Aircraft Quest Aircraft  
Duluth, Minnesota Hünxe, Germany Sandpoint, Idaho  
cirrusaircraft.com extraaircraft.com questaircraft.com

钻石飞机公司 派珀飞机公司 SyberJet飞机公司  
加拿大伦敦市 美国佛罗里达州 美国犹他州Cedar  
Diamond Aircraft Vero Beach SyberJet Aircraft  
London, Canada Piper Aircraft Cedar City, Utah  
diamondaircraft.com piper.com sj30jet.com

## 直升机制造商 HELICOPTER MANUFACTURERS

奥古斯塔-维斯特兰 贝尔直升机公司 罗宾逊直升机公司  
意大利Cascina Costa di Samarate 美国德克萨斯州Hurst 美国加利福尼亚州 Torrance  
AgustaWestland Bell Helicopter Robinson Helicopter  
Cascina Costa di Hurst, Texas Torrance, California  
Samarate, Italy bellhelicopter.com robinsonheli.com

空客直升机公司 恩斯特龙直升机公司 西科斯基飞机公司  
法国Marignane 美国密歇根州 Menominee 美国康乃迪克州 Stratford  
Airbus Helicopters Enstrom Helicopter Sikorsky Aircraft  
Marignane, France Menominee, Michigan Stratford, Connecticut  
airbushelicopters.com enstromhelicopter.com sikorsky.com

MD直升机公司 美国亚利桑那州Mesa  
MD Helicopters Mesa, Arizona mdhelicopters.com



达索猎鹰 DASSAULT FALCON

总部: 法国圣克卢  
Headquarters: Paris, France

**销售情况 (公务机):** 2013年销量为77架, 销售额达34.67亿美元。  
**Sales (business aircraft):** 2013—77 units, \$3.467 billion

**在产机型:** 猎鹰2000LX、2000S、900LX、7X  
**Aircraft in production:** Falcon 2000LX, 2000S, 900LX, 7X

达索航空由达索工业集团、空中客车集团 (Airbus Group) 和一批私人投资者共同持有, 位于美国的达索猎鹰是达索航空的子公司, 负责“猎鹰”公务机的全球销售与技术支持。达索航空的机身制造工厂位于法国西南部, 该公司已推出的公务机阵容包括猎鹰 900和2000系列以及猎鹰7X三引擎喷气机, 后者的驾驶舱内配备了最先进的电传操纵系统和战斗机式布局的侧杆操纵装置。正在研发中的猎鹰5X双引擎宽体喷气机也配备了电传操纵系统, 将于2017年服役。去年猎鹰2000LXS已投入市场, 取代了猎鹰2000LX。

Dassault Industries, EADS and a group of private investors own Dassault Aviation, whose marketing and support subsidiary in the U.S. is Dassault Falcon Jet. The company builds airframes at its factory in southwest France. Dassault offers the Falcon 900 and 2000 family of business jets, as well as the Falcon 7X trijet, featuring the latest in fly-by-wire flight-control technology and fighter-jet-style sidesticks in the cockpit. The next Falcon—the fly-by-wire 5X—is a twin-engine widebody jet, with service entry scheduled for 2017. Last year, the 2000LXS entered service, replacing the 2000LX.



日蚀航空 ECLIPSE AEROSPACE

总部: 美国新墨西哥州阿尔伯克基  
Headquarters: Albuquerque, New Mexico

**销售情况 (公务机):** N/A  
**Sales (business aircraft):** not applicable (new)

**在产机型:** 日蚀550  
**Aircraft in production:** Eclipse 550

日蚀航空于2013年恢复了标志性产品超轻型喷气机的生产, 并将其命名为日蚀550。新款飞机的空气动力学技术与老款500相同, 同样使用加拿大普惠公司 (Pratt & Whitney Canada) 的PW610F涡扇发动机。但它拥有更精密的飞行甲板——AVIO综合飞行管理系统, 其研发基础为创新软件 (Innovative Solutions & Support) 制造的航电套件。

Eclipse Aerospace resumed production of its iconic very light jet, now dubbed the Eclipse 550, in 2013. The new jet is aerodynamically the same as its predecessor, the 500, with the same Pratt & Whitney Canada PW610F turbofan engines, but sports a more sophisticated flight deck, the Avio IFMS system based on avionics made by Innovative Solutions & Support.



# 主要制造商一览

## The Major Aircraft Manufacturers at a Glance



巴航飞鸿 300 Embraer Phenom 300

### 巴西航空工业公司

#### EMBRAER

[embraer.com](http://embraer.com)

**总部:** 巴西圣保罗  
**Headquarters:** São Paulo, Brazil

**销售情况 (公务机):** 2013年销售119架, 销售额达16.22亿美元  
**Sales (business aircraft):** 2013-119 units, \$1.622 billion

**在产机型:** 飞鸿100、300; 莱格赛600、650; 世袭1000  
**Aircraft in production:** Phenom 100, 300; Legacy 600, 650; Lineage 1000

巴西航空工业公司1999年推出了第一款公务机莱格赛600, 这款飞机是在ERJ135/145的基础上研发的。在过去10年中, 巴西航空工业公司大力发展公务机市场, 先后推出了小型公务机飞鸿100和300、中型公务机莱格赛450和500, 以及大型公务机世袭1000和超远航程的莱格赛650。中型公务机莱格赛500、450拥有电传操纵飞行控制系统和侧杆系统, 500于2014年获得运营证书, 450将于2015年获得运营证书。

Embraer's ERJ 135/145 airframe served as the foundation for the company's first business jet, the Legacy 600, which was introduced in 1999. In the past decade, Embraer has made a strong push into the business jet market by developing the Phenom 100 and 300 small-cabin jets, the midsize Legacy 450 and 500, the Lineage 1000 bizliner and the longer-range Legacy 650. The Legacy 500 and 450 midsize jets feature fly-by-wire flight controls and sidesticks and will be certified in 2014 and 2015, respectively.



湾流 G650 Gulfstream G650

### 湾流

#### GULFSTREAM AEROSPACE

[gulfstream.com](http://gulfstream.com)

**总部:** 美国佐治亚州萨凡纳  
**Headquarters:** Savannah, Georgia

**销售情况 (公务机):** 2013年销量为144架, 销售额达73.53亿美元  
**Sales (business aircraft):** 2013-144 units, \$7.353 billion

**在产机型:** G150、G280、G450、G550、G650  
**Aircraft in production:** G150, G280, G450, G550, G650

2012年末湾流有两架新型喷气机获得了美国联邦航空管理局 (FAA) 的运营证书, 它们分别是超中型公务机G280和超远航超大机舱公务机G650。G280由湾流合作伙伴以色列航天工业公司 (IAI) 建造, 取代了G200。而G650比之前顶级的G550机舱更大更宽, 窗户也更大, 航程可达7000海里, 中途不需加油。G650的最高飞行速度可达0.925马赫, 可谓全球速度最快的民用飞机——至少在新奖状X获准运营之前, 它都可以享受这个桂冠。

In late 2012, two new Gulfstream jets received certification from the FAA, the super-midsize G280, built in Israel by partner IAI, and the ultra-long-range, large-cabin G650. The G280 replaces the G200. The flagship G650 has a larger and wider cabin and larger windows than the G550, the manufacturer's previous top model, and can fly 7,000 nautical miles unrefueled. The G650 has a maximum operating speed of Mach 0.925, giving it the title of the world's fastest civil airplane—at least until the upgraded Citation X receives certification.



比亚乔 Avanti Piaggio Avanti

### 比亚乔航空工业公司

#### PIAGGIO AERO INDUSTRIES

[piaggioaero.com](http://piaggioaero.com)

**总部:** 意大利Genoa  
**Headquarters:** Genoa, Italy

**销售情况 (公务机):** 2013年销量为2架, 销售额为1400万美元  
**Sales (business aircraft):** 2013-two units, \$14 million

**在产机型:** P.180 Avanti II  
**Aircraft in production:** P.180 Avanti II

为了应对上世纪70年代的能源危机, 比亚乔推出了拥有时尚设计的推进式涡桨公务机比亚乔Avanti。比亚乔1990年交付了第一架Avanti公务机。2005年这款公务机升级为Avanti II, 机上安装了最先进的洛克韦尔科林斯 (Rockwell Collins) Pro Line 21 航电套件和动力更强的加拿大普惠 (Pratt & Whitney Canada) 引擎。比亚乔航空工业公司由Tata、Mubadala发展公司、法拉利和狄马斯家族共同持有。

The sleek, pusher-turboprop Piaggio Avanti was developed in response to the energy crisis of the 1970s. Piaggio delivered the first Avanti in 1990. In 2005, the aircraft was updated with the Rockwell Collins Pro Line 21 avionics system, given slightly more powerful Pratt & Whitney Canada engines and branded the Avanti II. Piaggio Aero is jointly owned by Tata, Mubadala Development and the Ferrari and di Mase families.



本田公务机  
HondaJet

### 本田飞机公司

#### HONDA AIRCRAFT

[hondajet.honda.com](http://hondajet.honda.com)

**总部:** 美国北卡罗莱纳州格林斯柏勒  
**Headquarters:** Greensboro, North Carolina

**销售情况 (公务机):** N/A (将于2014年获得FAA运营证书)  
**Sales (business aircraft):** not applicable (FAA certification due 2014)

**在产机型:** HondaJet  
**Aircraft in production:** HondaJet

本田飞机公司已经开始生产本田公务 (HondaJet), 预计将于2015年初获得美国联邦航空管理局 (FAA) 的运营证书。这架轻型喷气机可载6名乘客, 它最大的特点是将一对发动机安装在机翼上方, 这样一来可以为机身腾出更多空间, 二来可以安装全封闭性的卫生间, 这一设计亮点在同类飞机上是独一无二的。

Honda Aircraft has begun production of the HondaJet and expects to receive certification from the U.S. FAA in early 2015. The light jet carries up to six passengers and features over-the-wing engine mounting, which frees up space in the fuselage and allows for a fully enclosed lavatory, unique in this size aircraft.



皮拉图斯 PC-12 Pilatus PC-12

### 皮拉图斯公务机

#### PILATUS BUSINESS AIRCRAFT

[pilatus-aircraft.com](http://pilatus-aircraft.com)

**总部:** 瑞士Stans  
**Headquarters:** Stans, Switzerland

**销售情况 (公务机):** 2013年销量为65架, 销售额达2.97亿美元 (包括4架PC-6 Porter通用飞机)  
**Sales (business aircraft):** 2013-65 units, \$297 million (total includes four PC-6 Porter utility aircraft)

**在产机型:** PC-12NG  
**Aircraft in production:** PC-12NG

皮拉图斯是全球最大的单引擎涡桨飞机制造商。皮拉图斯出品的PC-12于1994年获准运营, 之后迅速引爆市场热潮, 该款飞机因坚固耐用、超大空间、和极佳性能赢得客户青睐。时至今日1000多架PC-12仍在全球各地服役。皮拉图斯最新款机型PC-12NG的引擎动力更强劲, 还配备了先进的霍尼韦尔Primus Apex航电套件。皮拉图斯正在研制双引擎轻型机PC-24, 它的机舱为中等尺寸, 预计将于2017年投入运营。

Pilatus is the world's largest manufacturer of single-engine turboprops. The company's PC-12 was certified in 1994 and became an instant hit with buyers, who appreciated its ruggedness, spacious cabin and performance. Today, more than 1,000 PC-12s are in service. The newest version, the PC-12NG, features a more powerful engine and Honeywell Primus Apex avionics. Pilatus is developing the PC-24, a twin-engine light jet with a midsize cabin, due for entry into service in 2017.