

让蓝天触手可及！  
*let's touch the sky*

小鹰-700



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# Shenzhen Aviation International Aircraft Technology Group Co., Ltd.

Commonly known as "General Aviation International Group", it is a leading technology group based in China and facing the world, focusing on the research and development, manufacturing, and industrialization of low altitude economy general aviation. It has established wholly-owned subsidiaries in Xi'an, Shaanxi and Zigong, Sichuan, respectively, responsible for aircraft design, research and development, and production and manufacturing.

**Research and Design  
of General Aircraft**

**Intelligent Manufacturing of  
General Aviation Aircraft**

**General Aviation Aircraft Peration  
and Maintenance Services**

**Low Altitude Economic  
Industry Investment**

**Integrating dozens of top aviation units such as AVIC and NUAA, representing the highest level of aviation technology in China.**

- General Aviation International Group has established deep and close cooperative relationships with China Aviation Industry Corporation, China Aerospace Science and Technology Group, China Poly Group, China Academy of Science and Technology Development, as well as military central enterprises and universities representing the top level in their respective fields, such as Nanjing University of Aeronautics and Astronautics and Beihang University in China. Through strong alliances, General Aviation International Group has formed and continuously consolidated a strong comprehensive strength with a high-level R&D and manufacturing expert team as the core, and the most competitive market-oriented R&D mechanism in the industry as the guarantee.
- The main products of General Aviation International Group include the Kitty Hawk 700 aircraft, V750 military unmanned helicopter, TH-20 high-rise building firefighting drone, TH-115 vehicle mounted forest firefighting drone, etc. It is preparing to invest in the research and development of the tilt rotor eVTOL project.

# Core Products: LE700A

## Technical Characteristics and Operational Limitations



### POWERPLANT

|              |                  |
|--------------|------------------|
| Manufacturer | Textron Lycoming |
| Model        | IO-360-M1A       |
| Power Output | 180hp            |

### MAX OCCUPANTS

4

### DIMENSIONS

|          |        |
|----------|--------|
| Wingspan | 11.00m |
| Length   | 8.27m  |
| Height   | 2.73m  |

### WEIGHTS

|                    |        |
|--------------------|--------|
| Max Takeoff Weight | 1110kg |
| Basic Empty Weight | 700kg  |
| Useful Load        | 370kg  |

### PERFORMANCE

|                           |         |
|---------------------------|---------|
| Max Cruise Speed          | 225km/h |
| Max Range                 | 1000km  |
| Maximum Practical Ceiling | 4200m   |

Approved for day and night VFR&IFR

# LE700A

## Basic Configuration

### Aviation glass: reliable safety performance indicators

It can resist the impact of a bird weighing 1.8 kilograms at a speed of 600 kilometers per hour, with a surface stress value of  $\geq 90$  MPa, and can withstand 5 times the pressure difference inside and outside the cabin. Its temperature resistance range is  $-30^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  (20 cycles without damage). Broken shape, no sharp edged particles, greatly improved safety, minimizing the risk of injury to passengers during breakage.

### Propeller: making the driver's ears more comfortable

McCauley produces a 1.3m diameter twin blade fixed pitch propeller model 1A170E/JHA7660. Noise reduction design can effectively reduce the noise in the cabin and cockpit, improving flight comfort; Lightweight structure, improved fuel efficiency, and low maintenance costs.

### Avionics CR9: The Most Comprehensive Certification in China

The first domestically certified general aviation integrated avionics system by the Civil Aviation Administration of China (CAAC) fills the gap in this field in China. The catastrophic failure rate of the system is less than  $10^{-8}$ /flight hour, reaching the highest level of aviation safety. The verification coverage rate is 100%, and there are no omissions in the comprehensive verification. The only comprehensive avionics system in China that has obtained 25 CTSOA (Technical Standard Specification Project Approval) certificates.

### High mounted wing: the most user-friendly design for student

Effective sun protection in summer, the upper single wing design provides better operational stability and student visibility for the aircraft, with good stability and strong wind resistance.

### Dual identification lights: better visibility

Dual sets of LED landing lights and signal recognition lights can improve visibility and provide protection for nighttime flights.

### Aviation metal: no service life years

The aircraft has undergone anti-corrosion treatment both inside and outside, with an aviation aluminum alloy fuselage that has no service life, low maintenance costs, short repair cycles, and a density of about  $2.7\text{g}/\text{cm}^3$ , which is only one-third of steel, significantly reducing the weight of the aircraft structure. The tensile strength of 7075-T6 state is  $\geq 560\text{MPa}$ , and the yield strength is  $\geq 495\text{MPa}$ , which is 3-5 times that of ordinary aluminum alloy. Good electrical and thermal conductivity is beneficial for static electricity dissipation and thermal management of the aircraft body.

### Double door: easier access for coaches and students

The double door design makes it more convenient for coaches and students to enter and exit. The double folding door opening can reach 155 centimeters, greatly increasing the passage space and making it easy for passengers to quickly and easily get in and out. Double doors provide fault redundancy protection, greatly improving the efficiency of both on and off board operations.

### Landing gear: tailor-made for flight training

The first three-point landing gear has good ground motion stability and flexible turning to protect the runway. When landing, the main wheels touch the ground first, which can avoid the phenomenon of "jumping" and there is no risk of inversion. It allows for stronger braking operations to shorten the running distance.

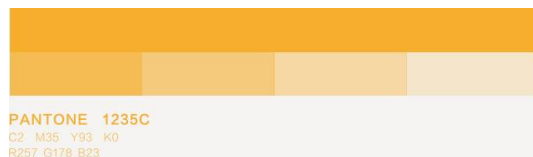


### Engine: One of the most reliable piston engines

One IO-360-M1A four cylinder horizontally opposed air-cooled piston engine produced by Textron Lycoming, with a single power of 180/215 hp and a major overhaul time of 2000 hours.

# LE700A

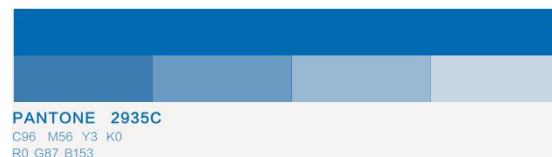
## Color Scheme



**Lightning Yellow**



**Fei Cui Qing**



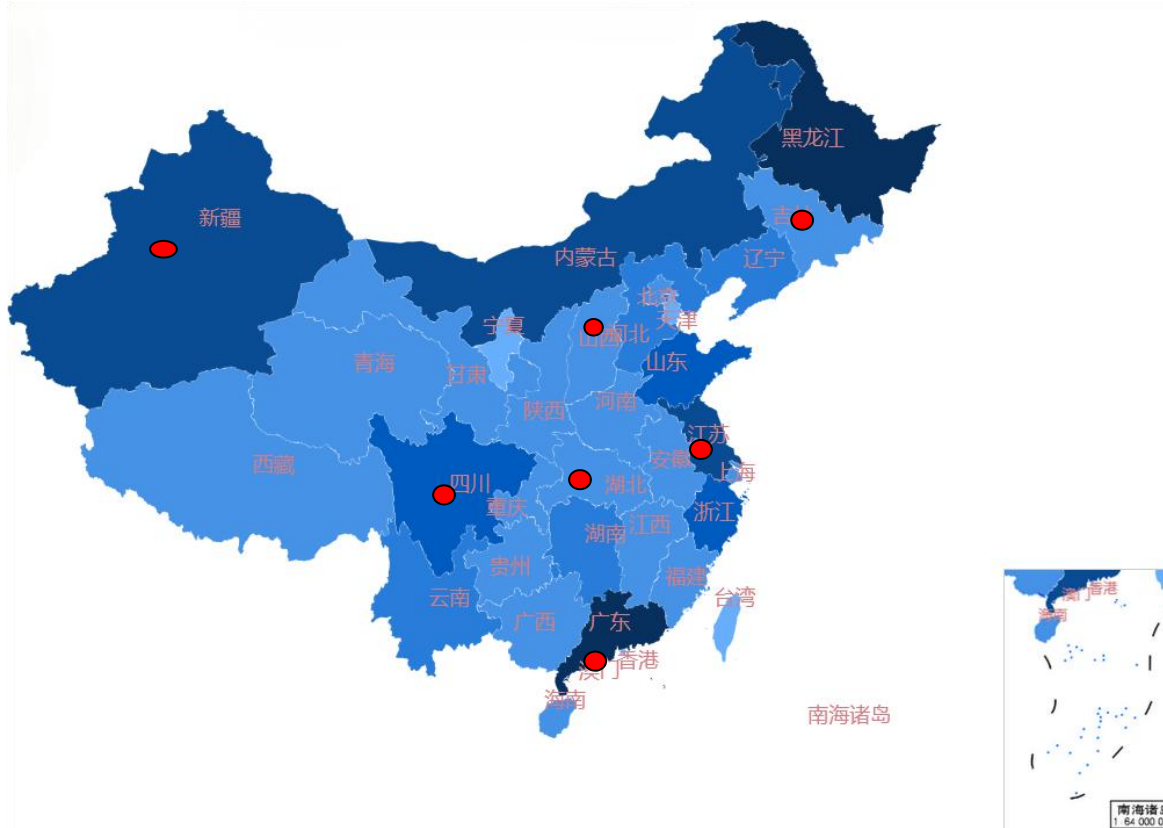
**Sunny Blue**



**Diamond Black**

# LE700A

## One Stop "6S" Gold Medal Service



### Flight Service Base (First Batch)

Southwest region (Sichuan Chongqing region): Fengming Airport, Zigong, Sichuan

East China region (Yangtze River Delta region): Changzhou Changdanghu Airport, Jiangsu

South China region (Pearl River Delta region): Lianzhou Airport, Zhuhai, Guangdong

North China region: Shanxi Datong Nanliuzhuang Airport

Northeast region: Jilin Songyuan Chaganhu Airport

Central China region: Liuji Airport, Xiangyang, Hubei

Northwest region: Shihezi Garden Airport, Xinjiang

# LE700A

Guide Price



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# 深圳通航国际飞机科技集团有限公司

是一家立足中国、面向全球，专注于低空经济通用航空领域研发、制造与产业化的领先科技集团。

通用飞机的研发设计

智能制造

运维服务

低空经济产业投资

**整合中航工业、南京航空航天大学等几十家顶尖航空单位，代表中国航空技术最高水平**

- 通航国际集团与中航工业集团、中国航天科技集团、中国保利集团、中国科技开发院，以及南京航空航天大学、北京航空航天大学等在其所属领域代表国内最顶级水平的军工央企及高校建立了深度和紧密的合作关系。通过强强联合，通航国际集团以行业高水平的研发制造专家团队为核心，以业界最具竞争力的市场化研发机制为保障，形成并持续夯实强大的综合实力。
- 通航国际集团主要产品有小鹰-700飞机、V750军用无人直升机、TH-20高层楼宇消防无人机、TH-115车载森林消防无人机等，正准备投资研发倾转旋翼eVTOL项目。

# 核心产品：小鹰-700

## 技术特性和使用限制



### 动力装置

发动机制造商 Textron Lycoming

型号 IO-360-M1A

功率输出 180hp

最大座位数 4

### 飞机尺寸

宽 11.00m

长 8.27m

高 2.73m

### 飞机起重

最大起降飞重量 1110kg

空载重量 700kg

有效载荷 370kg

### 飞机性能

最大飞行速度 230km/h

最大飞行距离 1000km

使用升限 4200m

无任何限制，允许昼夜目视和仪表飞行。

# 小鹰-700

## 基本配置

### 航空玻璃：安全性能指标可靠

能抵抗1.8公斤重的鸟以600公里时速撞击，表面应力值 $\geq 90\text{MPa}$ ，能承受机舱内外5倍压力差，耐高温范围： $-30^{\circ}\text{C}$ 至 $+80^{\circ}\text{C}$ (循环20次无损伤)。破碎形态，无锐角颗粒，安全性大幅提高，在破碎时最大限度降低对乘员的伤害风险。

### 螺旋桨：让驾驶员耳朵更舒适

1副 McCauley 生产直径 1.3m 的 1A170E/JHA7660 型号的双叶固定螺距螺旋桨。降噪设计能有效降低机舱和驾驶舱的噪音，提升飞行舒适性；轻量化结构，提升燃油效率，维护成本低。

### 发动机：最可靠活塞发动机之一

1台Textron Lycoming 公司生产的IO-360-M1A四缸水平对置气冷式活塞发动机，单台功率180/215 hp (匹) 马力，大修时间2000小时。

### 起落架：飞行培训量身打造

前三点式起落架，地面运动稳定性好，转弯灵活保护跑道，着陆时主轮先触地，可避免“跳跃”现象，且无倒立危险，允许更强的制动操作以缩短滑跑距离。

### 航电CR9：中国国内最全面认证

国内首个获得中国民航局(CAAC)认证的通用航空综合航电系统，填补了国内在该领域的空白。系统灾难性故障率 $< 10^{-8}$ /飞行小时，达到航空最高安全等级。验证覆盖率 100%，全面验证无遗漏。国内目前唯一获得25项CTSOA(技术标准规定项目批准书)证书的综合航电系统。

### 上单翼：对学员最友好的设计

夏天飞行不用涂防晒霜，上单翼设计使得飞机有更好的操作稳定性和学员视野，稳定性好，抗风能力强。

### 双套识别灯：更好能见度

双套 LED 着陆灯和信号识别灯可提高能见度，为夜间飞行保驾护航。

### 双开门：教练学员更方便进出

双门设计，教练和学员更加方便进出，双折叠门开口可达155厘米，大幅提升通行空间，便于乘客快速轻松地上下。双门是故障冗余保障，大幅提升上机和下机效率。

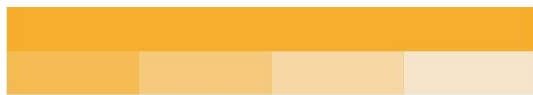
### 航空金属：无使用寿命年限

机身内外都做了防腐处理，航空铝合金机身，无使用寿命年限，维护成本低，修复周期短，密度约为 $2.7\text{g}/\text{cm}^3$ ，仅为钢铁的1/3，显著减轻飞机结构重量。7075-T6状态抗拉强度 $\geq 560\text{MPa}$ ，屈服强度 $\geq 495\text{MPa}$ ，是普通铝合金的3-5倍。良好的导电导热性能，有利于机身静电疏导和热管理。



# 小鹰-700

## 配色方案



PANTONE 1235C  
C2 M35 Y93 K0  
R257 G178 B23

闪电黄



PANTONE 319C  
C60 M0 Y20 K0  
R59 G179 B194

翡翠青



PANTONE 2935C  
C96 M56 Y3 K0  
R0 G87 B153

晴天蓝

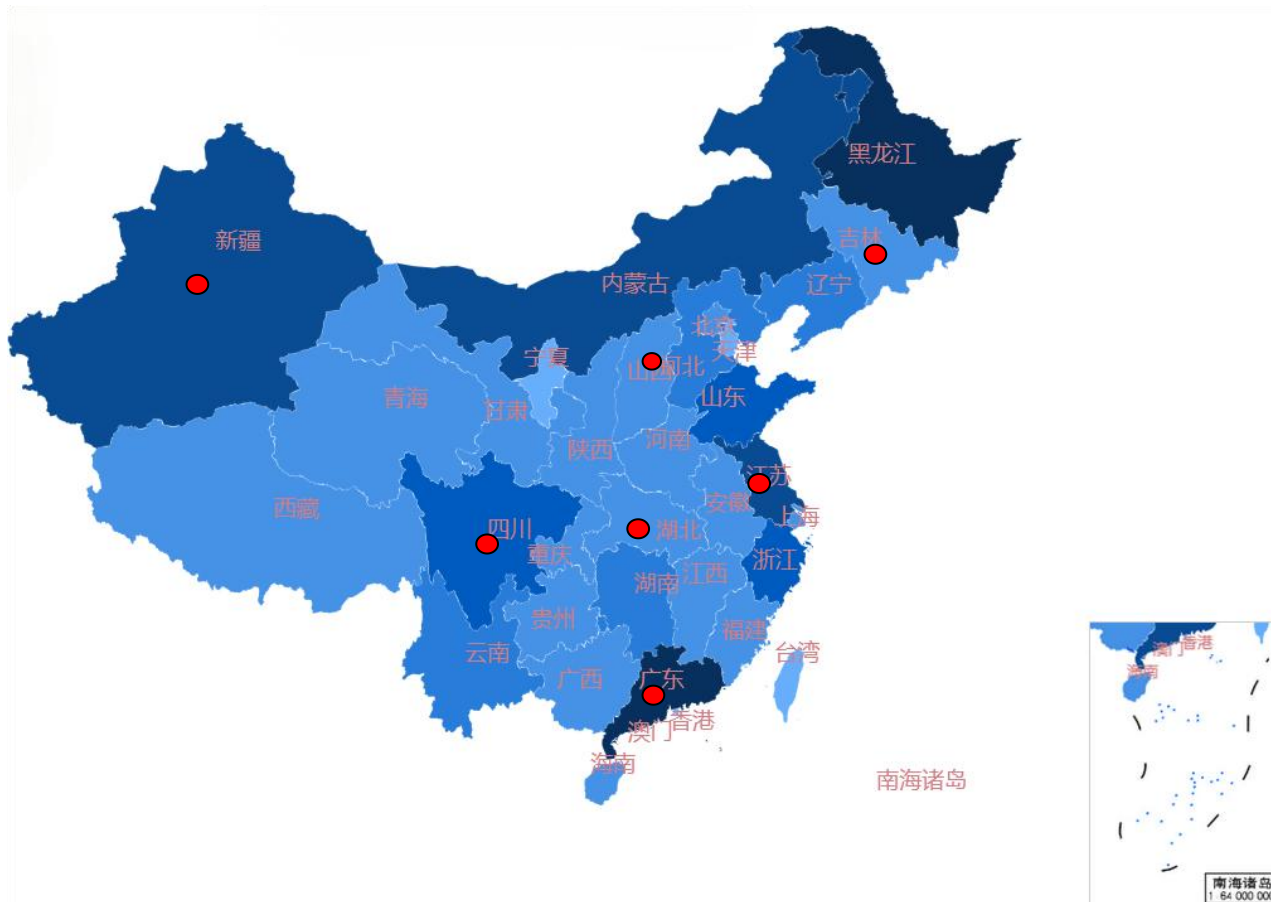


PANTONE 419C  
C100 M100 Y100 K100  
R10 G11 B12

钻石黑

# 小鹰-700

一站式“6S”金牌服务



## 飞行服务基地（第一批）

西南地区（川渝地区）：四川自贡凤鸣机场

华东地区（长三角地区）：江苏常州长荡湖机场

华南地区（珠三角地区）：广东珠海莲洲机场

华北地区：山西大同南六庄机场

东北地区：吉林松原查干湖机场

华中地区：湖北襄阳刘集机场

西北地区：新疆石河子花园机场

# 小鹰-700

市场指导价格



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