



The official WeChat qr code



Sina weibo qr code

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钻石飞机

Diamond
AIRCRAFT



CETC Wuhu Diamond Aircraft Manufacture Co., Ltd



How wide the heart domain is,
how vast the flying territory will be!

Chasing Dream Winging Heart



Speeding up, take-off stably and soaring high in the sky, the general aviation industry of China has entered the best developing period.

CETC WuHu Diamond Aircraft Manufacture Co., Ltd. layout general aviation future of China with long-term version, commit to open a developing road which integrated with advantage of recourses, competition, industries and economic, and contribute the power in path of China General Aviation Industry development.

More and more people can overlook hometown, enjoy the flying by general aircraft; More powerful air strength would be provide to support the disaster prevention of emergency response and the security of China; Promote country ranks as powerful nation of generation aviation soon. This is our aviation dream, Chinese dream!

The flying dream in our heart, chasing the dream and take-off immediately!

Path to Dream

Corporate Culture: Our Commitment

Corporate Vision

Produce world class general aircraft and lead the industry to a higher level

To benchmark world's class technological standards, formulate industrial operation flow, our company pursues the goal of winning the international recognition with top performance. Combining the company development with the industry progress, our company devotes itself to achieving the new milestone of China's general aviation industry with sacred sense of mission and noble entrepreneur spirit.

Dream





Enterprise core value

Concentration

The precise speciality / profession is the foundation of reflecting its value of employee and enterprise organization.

The higher the professional level, the higher the level of the general aviation aircraft products and services, the more potential capacity to break through innovation.

Collaboration

Synergy is the precondition to optimize an organization's resource allocation and maximize the system efficiency .Extensive collaboration between the members contributes to an effective team. Likewise, extensive collaboration between the teams contributes to a distinct advantage of the enterprise.

Continuously improving the coordination of enterprise, enhance the cohesion of the enterprise, speed up the realization of the enterprise objectives.

Champion

Excellence is the highest goal of general aviation industries for staff, team and enterprise.

Excellence is reflected not only in the safety, reliability , performance and the elegance of the aircraft, but also in our pursuit for perfection in each component, procedure and service experience.

Enterprise core ideology

Cooperation

Implement the cooperation concept throughout enterprise operation and construct an opening cooperation mode to achieve win-win solution. Motivate teams to carry out efficient communications and extensive collaboration.

Creation

Learn and absorb the modern technology with innovation to achieve technological transformation. Establish an independent research and development system, to create and practice a new mode, new method, new tool in the manufacturing, marketing, and customer service area.

Champion

High starting point, high standard, high target. Train employees to be highly qualified and skilled. Establish a leading position in the international general aviation field with leading technology & material in the industry.

Continuation

We committed to the strategy for different development stages, with a prospective vision to promote the enterprises development. Merge the industrial development overall plan with the resources and environmental protection.



4C
Cooperation / Creation
Champion / Continuation

Enterprise Spirit

Diamond Commitment

Unwavering commitment and invincible courage

Diamond Quality

Perfect quality and flying masterpiece

Diamond Value

Creating values for customers, employees, shareholders and society

Diamond Future

Building long-lasting brand and laying solid foundation





Industry Leader

“Dream Team” of China's general aviation industry

Company Profile

CETC Wuhu Diamond Aircraft Manufacture Co., Ltd was founded in December, 2013, located in Wuhu Aviation Industrial Park, Anhui province. It is a state-owned high-tech enterprise occupied in the research, manufacture, sale, maintenance and service of general aviation aircrafts, as well as their associated equipments. It is jointly invested and established by China Electronics Technology Corporation (CETC) and Wuhu municipal government, with a total investment up to 1,200 million RMB and registered capital of 880 million RMB. The company covers an approximate area of 13.33 hectares in its first phase including the office and plant area of 60,000 square meters.

As one of China’s top state-own large enterprise groups, CETC is in possession of abundant technological strengths. Additionally, Wuhu city enjoys flourishing industrial environment and superior geographical advantages. Therefore, the cooperation between CETC and Wuhu municipal government in general aviation industry will by all means drive the research , manufacture and development of aircrafts and aero-engines in Wuhu city and Anhui province, realizing the upgrade of industrial technology and boosting the development of regional high-end manufacturing industry in Wuhu city.

Diamond Aircraft Industries GmbH, as our strategic partner, is the sole well-known enterprise in the world that develops and produces aircrafts as well as engines, ranking the third of the same kind general aircraft manufacturers worldwide.

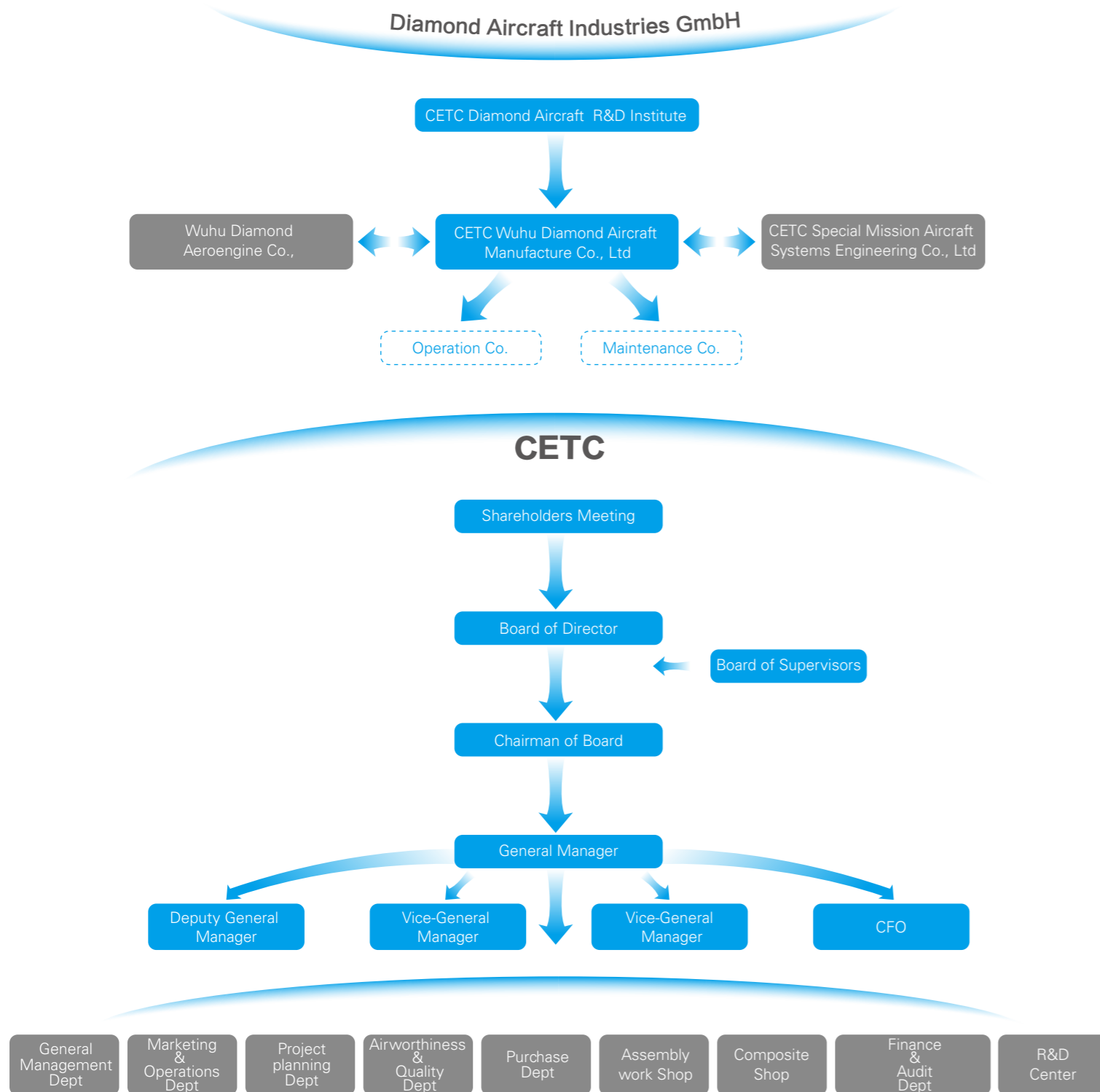


As the global agent and exclusive agent in China of Diamond Aircraft Industries GmbH, our company has set up comprehensive technical cooperation withDiamond Aircraft Industries GmbH, introducing and producing two types of advanced, multi-purpose light general aircrafts and jointly establish CETC Diamond Aircraft Design&Research Institute and Wuhu Diamond Aeroengine Co., Ltd to produce new types of aircraft and aeroengine.

Our company will endeavor to enhance the core competitiveness in the research and development, manufacture and service of general aircrafts, so as to build a world-class general aircrafts manufacturer and lead the development of general aviation industry in China.



Enterprise of organization structure



First class team

Adhering to the talent strategy "human resource is the first resource" and "human resource leads science technology", CETC Wuhu Diamond Aircraft Manufacture Co., Ltd. Carry out the advanced. The company has set up a first-class general aviation talent team, and all the management members are the senior experts in the aircraft manufacturing field, with a common foresight and the spirit of entrepreneurship.

R&D strength

CETC Wuhu Diamond Aircraft Manufacture Co., Ltd and Austrian Diamond Aircraft Industries GmbH jointly set up CETC Diamond Aircraft D&R Institute---- a powerful combination, the advantage of human resources and research capability into full play. The R&D Institute carries out the idea of 'one generation under conception, one generation under pre-research, one generation under development, one generation under production' to establish an aircraft design organization meeting complying with the international standards and procedures, implement the modification for current aircrafts, develop new aircraft type and the key accessories. Both sides will jointly explore the domestic and international general aviation market.

SI(system integration)

With the advantages of CETC in avionics and payloads, CETC special Mission Aircraft Systems Engineering Co., Ltd, makes full use of the aircraft platform of CETC Wuhu Diamond Aircraft Manufacture Co., Ltd to integrate systems and is majored in the research, production, sales and after-sales service of multi-purpose aircraft systems, UAVs and special mission payload system to meet the needs of domestic and overseas customers.

Core components

Wuhu Diamond Aero engine Co., Ltd and Austro Engine GmbH jointly develop various types of advanced aviation diesel engine, which provides excellent & powerful heart for Diamond Aircraft and promote the aircraft winning the market competition.

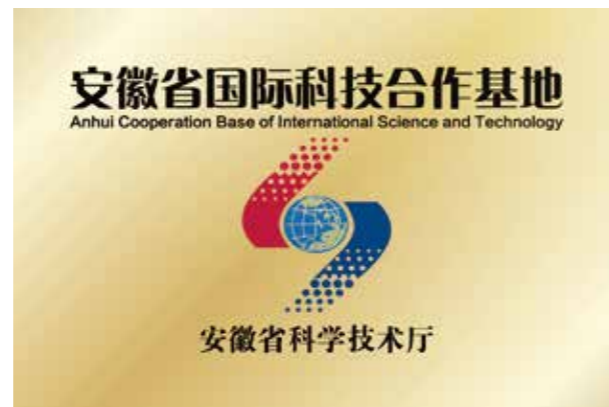
Enterprise honor



Anhui Provincial Academician Workstation
(Anhui Department of Science and Technology)



Wuhu Technological Research Institute of General Aviation Industry
(Wuhu Bureau of Science and Technology)



Anhui Cooperation Base of International Science and Technology
(Anhui Department of Science and Technology)



Anhui Provincial Engineering Research Center
(Anhui Development and Reform Commission)



In order to enhance the self-innovation ability and market competitiveness, CETC Diamond has actively set up a series of innovative technological platforms, such as Anhui Provincial Academician Workstation, International Science and Technology Cooperation Base, Anhui Provincial Engineering Research Center. CETC Diamond has attracted academicians and their innovation teams inside and outside Anhui Province to the company, devoted to cultivating a high-level talent team, providing technical support to the research and manufacture of general aircraft industry.

With the improvement of the scientific research and innovation ability, you will be provided with better quality products. CETC Diamond has endeavored to become a world-class general aircraft manufacturer and lead the development of China's general aviation industry.



Riding the whirlwind

Diamond Aircraft Setting the highest standards
in aircraft production and development

Diamond Pioneering

With ultimate fascination of flying over decades, every product of the Diamond aircrafts family enjoys the technological originality and innovation, pioneering in the general aviation industry. Expanding the bounds of what was thought impossible before, Diamond is proud of our long list of aviation firsts.

- Garmin G1000 Glass Cockpit
- DA42-VI Aircraft with twin jet fuel engines
- Lead-free fuel powered AE300 engine with low consumption and noise
- Successful application of pure biofuel made from blue algae to DA42-VI aircraft

Diamond
AIRCRAFT



Safety Concept



Safety Avionics

Garmin Synthetic Vision (SVT) trans-forms our cockpit by accurately displaying synthetic terrain, flight hazards , flight path marker and highway-in-the-sky on the PFD. The pilot maintains excellent airborne situational awareness even when flying in conditions of poor visibility or darkness. This results in reduced pilot workload and safer flying.



Special "Rough Terrain Landing Gear" configuration

Bigger wheels on the main and nose landing gears, an increased wheel base, different rims as well as special reinforcements and tougher structures give you the safety to land almost whatever you want.



De-icing

The DA42 is the only aircraft in this class with a certified de-icing system which allows you to operate the aircraft in any weather and to fly in known



Fuel System Protection

The dual spar design and aluminum fuel cells of the DA42 protect the fuel like on other airplane that carries fuel in the wing. Many airplanes carry fuel directly behind the leading edge skin of the wing-the implications of an impact in that area are obvious!

Fuel line

Diamond uses TSO Stainless Steel braided fuel lines throughout the airframe, not just forward of the firewall. They are much stronger than conventional aluminum fuel tubing and allow airframe deformation without rupturing. They cost and weigh more and in our opinion are worth their weight in gold!

Safety cabin

We use all the advantages of the solid composite construction-such as unparalleled strength, stress-resistance, stability, reliability, durability and robustness, and last, but not least, cost-effectiveness-to good use in building extremely safe aircraft.



Safe development concept

Diamond Aircraft conducts full scale impact testing with instrumented Crash Test Dummies.



Damage tolerance airframe

Pass the strict safety test (26g crash test and 10g flight tolerance)

Diamond Flight Training

Creating best pilots

Our commitment to quality goes far beyond the mere delivery of your aircraft. We believe that high-quality training is as critical to your safety as a well-designed aircraft. That is why each airplane comes with a training credit to ensure that you will have mastered each move once you step aboard your new plane. You will know the cockpit like the back of your hand because you've trained in an authentic Diamond Aircraft cockpit with real avionics. This gives you added security. Although we're very proud of our safety record, we know it takes safe pilots to ensure safe flights. And safety goes beyond just a good airplane.



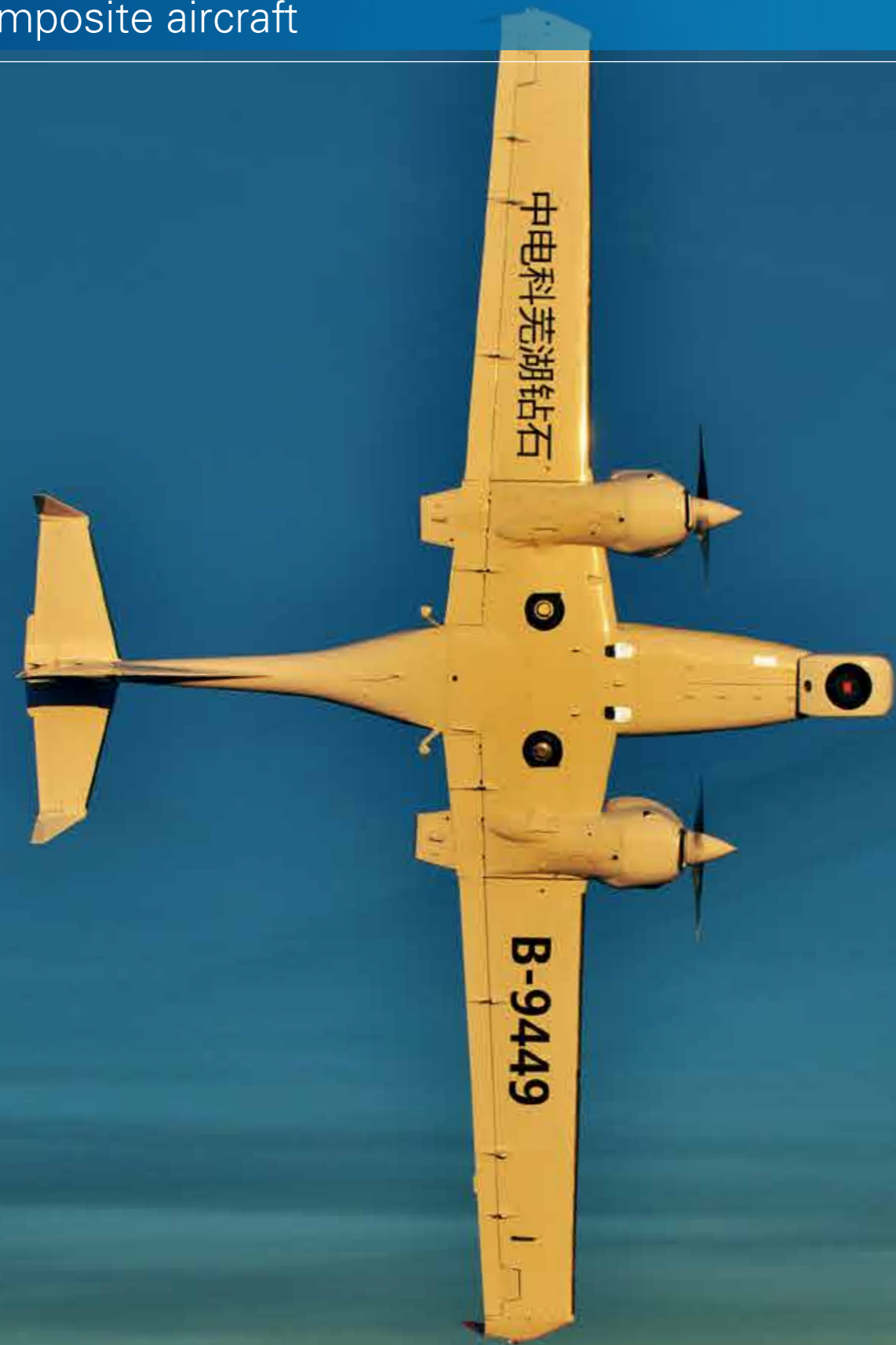
Diamond Simulation



Get ready for reality

As aviation pioneers we are used to going beyond the expected and have taken flight training to the next level. Only Diamond Aircraft offers a complete line-up of type-specific flight training simulators. Operators and students alike benefit from economical practice time, including honing skills for emergency situations that can be scheduled irrespective of weather conditions. Built with real avionics, high-end visuals and sophisticated instructor operating stations, our Simulators increase safety, efficiency and effectiveness plus offer a cleaner, greener way to train.

All composite aircraft



Leader in the composite aircrafts

We are committed to provide the magnificently stylish planes that are better than those built before. Customers are always expecting better products. Diamond composite material production center, the biggest and most modern one in Europe, has been adopting latest technological standards. With constant improvement of innovation performance provided by professional engineers and designing staff. Compared to traditional metal materials, all composite material aircraft has less drag, lighter structure and longer operation life.

With powerful partners and unparalleled network, Diamond will always introduce new products quicker than trade companies and create values for customers with advanced of high end technology. Diamond is well known for expertly manufacturing aircraft made all of composite materials which are innovative, light, solid and low cost. High design standards of diamond aircraft provide customers with outstanding flight experience of safety and comfort. Solidity, reliability and best safety record are undoubtedly advantages of Diamond aircraft.

Airborne Sensing

Precision from above

Through the Aircraft manufacture can provide RS technology. Diamond Aircraft is a global leader in the field. Based on cooperation of CETC with strength of technology and network, we can carry out the most competitive and most reliable project, provide the hawk eye accuracy for you.

Possible application include: HD TV broadcast, GEO data acquisition, environmental monitoring, infrastructure monitoring, disaster response, event protection, law enforcement, maritime patrol, surveillance and reconnaissance.



Modularization Sensor Solution



As the globally leading supplier of the airborne sensors, Diamond is able to deliver the all-in-one sensor solution. The solution consists of low-cost aircraft platform, airborne sensors, data-links, command and control center, related pilots, operators and maintenance training. The cooperation network with famous industrial experts and strong partner makes the applications of advanced technologies possible and ensures the reliable implementation of installed instruments.

Diamond has been specially designed for carrying easily interchangeable, multi-functional airborne sensor. These sensors include EO/IR gimbals for surveillance and reconnaissance, large format digital aerial cameras, airborne laser scanners, synthetic aperture radar (SAR) and aeromagnetic survey systems. Mission equipment can be mounted on strengthened points located on the nose and belly of the aircraft as well as in the cabin and nose luggage compartments.

External Pod Philosophy

The design of DA42 MPP Guardian incorporates an external pod philosophy with a modular approach. The nose of the aircraft is detachable for mounting nose pods. Hard points are located under the fuselage for mounting belly pods.



Universal Nose

All the EO / IR and multimedia turrets. Max. equipment dimensions:393.7mm (15.5 inches), 65kg(143 pounds)
 Airborne Laser Scanner Systems
 Dust Sensors
 Instrument Landing System Flight Calibration

Radar Pod

Maritime Patrol
 Border Patrol
 Search & Rescue
 Surveillance



Nose Equipment bay

Photogrammetry
 Hyperspectral Sensors
 Synthetic Aperture Radar and Maritime Radar
 Airborne Laser Scanner System

Geo Pod

Laser scanning
 Photo-grammeter (medium-sized)

Under-floor Pod

Airborne Ground Surveillance
 COMINT



Belly Pod

Oil Spill Detection
 Airborne Laser Scanner System



Guidance for Fleet Operation

Powerful support for flight school and fleet operations

We will provide factory sales and support for Flight school and Fleet operators. Our professional sales and senior management will help you make the best choice for your fleet. We will offer our assistance in optimizing the type and number of aircraft to suit your operation and recommend the best fleet replacement and rejuvenation strategies. DA42 and DA20 series aircrafts have been the widely favorable choice for domestic aviation schools as the trainer aircraft for the excellent safety, easy operation, high performance, low fuel consumption as well as high economical efficiency of Diamond aircrafts.

We will work with your staff to ensure thorough and effective instructor training, maintenance training, parts provisioning and aircraft integration into your operation. Our field service representatives are experienced aircraft engineers, instructors and pilots and are ready to support you on site.





Appearance in Air Show

Experiences as special as you are

Aviation exhibition shows to audiences not only the contemporary innovation, but also the ignition of the future creativity. In the general aviation industry, trade exhibitions have a long, worldwide history. Diamond has inherited this tradition. You will find Diamond at numerous international aviation exhibitions. Whether in Farnborough, Paris, Oshkosh or Palm Springs: Visiting Diamond exhibition stands is always an extraordinary experience.

The 10th China Airshow opened in Zhuhai City on November 11st, 2014. Held every two years, featured by aerobatic show, it is the only international aviation & aerospace exhibition approved by the State Council. It represents the up-to-date international aviation & aerospace technology development characterized by trade activities, professionalism and esthetic shows, becoming one of the most famous global air shows. CETC Wuhu Diamond Aircraft Manufacture Co., Ltd shares the achievement and opportunities of development with the world in its debut at Zhuhai Airshow, opening a new chapter in its marvelous airshow history.



Green flight



Lowest noise

Diamond Aircraft' s innovative exhaust gas system for the Austro Engine powered DA42 aircraft reduces the noise level by 20db below the official limitations during takeoff.

Lowest fuel consumption

The AE300 Jet A1 aviation piston engine reduces its fuel consumption to 21L/h. the unit consumption is less than half of traditional aviation gasoline engine ,and the maximum power can reach 168HP.

Lowest emissions

Additives of Aviation gasoline 100LL will be transformed into lead after burning, therefore caused the environment pollution. Diamond Aircraft spend millions of Euros to introduce the new green engine into the aviation industry. Compared with the traditional gasoline engine, the new engine of Diamond Aircraft can significantly reduce emissions.

Beyond the Passion

Brand New Products, Impressively thrilling

DA42 VI

DA42 VI is a latest generation of DA42 aircraft, integrating the most advanced fuselage design and avionic equipments, powered by revolutionary two AE300 diesel engine with strong power and safety. With long range, low oil consumption and low operation cost, DA42 NG brings the pilots sheer flight pleasure as one of the best two-engine light general aircraft.





DA42 MPP

Based on DA42 VI DA42 MPP is a multi - purpose aircraft, which integrates many kinds of high performance sensors. The aircraft with full composite airframe, bubble canopy cockpit and Garmin GFC700autopilot, can be equipped with a variety of mission equipments in aircraft nose and belly pod. to perform border patrols, geographic mapping, remote sensing, or dual-use task.



DA42 MPP Guardian

DA42 MPP Guardian is specially designed to perform surveillance, search and investigation (ISR) task, carrying easily interchangeable, multi-functional aerial sensor equipment, from EO/IR gimbals for surveillance and reconnaissance, large format digital aerial cameras and airborne laser scanners to synthetic aperture radars (SAR) or aeromagnetic survey systems. The endurance is up to 12 hours (flight), while consumption only 24.2L / h (6.4 U.S. gals).





DA42 MPP GEO Star

DA42 MPP GEO Star is mainly used to perform geographic information acquisition. Equipped with airborne laser scanner, which has a wide scan field of view of 60°, the MPP aircraft can accomplish the 3D mapping of the whole Vienna area within 3 days. It can also be equipped with a digital camera system, laser radar system, synthetic aperture radar (SAR) system, etc..



DA20 / DV20E

Sporty, sleek. Exciting yet surprisingly affordable. A lot of key words frequently used by flight fans to describe DA20. Featured by high climb rate, low fuel consumption and ultra short take-off ground roll, DA20 can be used not only in the general aviation such as the flight sport, training and aero photography, but also as the flying BMW to meet the need for speed, adventure and the pleasure of flying.

(DA20E is the upgraded version of DA20. Manufactured by CETC Wuhu Diamond Aircraft Manufacture Co., Ltd, DA20E adopts the latest technology to meet the need of China's market, with faster speed, lower consumption and higher reliability.)

Customer Care

Sales and Service, Guarantee for Flights

Sales Service

As Diamond's strategic partner, CETC Wuhu Diamond Aircraft Manufacture Co., Ltd is the exclusive agent in China and global agent of Diamond Aircraft Industries GmbH. We are working with domestic distributors to promote the sales. Each member is committed professional in aviation industry. You will benefit from our extensive experience as well as variety product and market knowledge. We will listen potentially to your goals and concerns and assist you to evaluate a solution tailored to your needs and requirements.



Exclusive Authorized Agent Certificate

Maintenance Service

Our maintenance department provides the Diamond aircraft owners with distinctive one-stop airframe / engine after-sale service. With the technological advantages of CETC Wuhu Diamond Aircraft Manufacture Co., Ltd and Wuhu Diamond Aeroengine Co., Ltd, we will offer you thoroughly professional maintenance service.

