AVIATION AS UNIQUE AS YOU ARE
Our Vision: revolutionize general aviation. Our Goal: set the highest standards possible in aircraft production and development. Our Promise: combine the most progressive materials and technology to deliver highly reliable, economic aircraft that are less damaging to the environment while never sacrificing performance, safety or beauty.

WELCOME TO THE DIAMOND AIRCRAFT FAMILY

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A GLOBAL GROUP OF COMPANIES

Diamond Aircraft produces a full range of high quality certified all composite aircraft in state of the art facilities located in Wiener Neustadt, Austria and London, Ontario, Canada, as well as in third party license facilities to serve their respective markets. The company uses proprietary lead-free jet-fuel piston engines, made by Austro Engine GmbH of Austria, a company of the Diamond Aircraft Group and offers type specific flight training simulators.

CIVIL AIRCRAFT

- DA62
- DA42-VI
- DA42 MPP series
- DA50-V
- DA40 NG and DA40 Tundra Star
- DA40-CT1

SPECIAL MISSION AIRCRAFT

- DA42 MPP
- DA42-MPP

OTHERS

- Flight simulator
- Austro Engine piston engines

The Austrian Diamond Aircraft Group comprises a network of companies that complement and match each other perfectly. But, in keeping with the expectations of our customers, we have taken this precision a step further: we added a high degree of flexibility to our globally renowned expertise. Besides its unique network family, Diamond Aircraft collaborates with numerous distribution partners and service centers all over the world.

Please visit www.diamondaircraft.com to find the agency you need.
DIAMOND AIRCRAFT AUSTRIA YEAR 1987

DIAMOND AIRCRAFT AUSTRIA YEAR 2017 (HQ)
WHY DIAMOND

Developing and building a family of aircraft takes long-term vision and unwavering commitment – it’s not for the faint of heart. Since 1991, under the continuous leadership of Christian Dries, Diamond has pioneered many aviation firsts and achieved numerous milestones and industry expert accolades.

Today, Diamond Aircraft offers the most complete range of certified piston aircraft models. Every one of our aircraft shares a common DNA, incorporating leading edge technology, not for the sake of innovation, but for superior performance, efficiency and safety.

**MODERN AIRFRAME**
Made out of robust glass and carbon fibre composite material, Diamond aircraft have the edge over traditional aluminium airplanes when it comes to durability, aerodynamics and safety.

**MODERN PROPULSION**
Diamond Aircraft revolutionized the general aviation market by being the first to introduce most efficient jet fuel piston singles and twins.

**MODERN AVIONICS**
Arguably, all OEM’s have access to the same avionics technology, however some adopt quicker than others. Diamond Aircraft was the first customer to commit to Garmin’s fully integrated G1000.

**COMMITMENT TO SAFETY**
When it comes to safety, positive results are what really matter most. Diamond has earned a safety record, backed by real-world data, that is second to none.

**BEST FUEL EFFICIENCY**
The manufacture of incredibly fuel-efficient airplanes has always been a cornerstone of Diamond Aircraft’s strategy. All our aircraft are best in class in terms of their fuel efficiency, saving you money whenever you fly.

**MODERN AVIONICS**
Arguably, all OEM’s have access to the same avionics technology, however some adopt quicker than others. Diamond Aircraft was the first customer to commit to Garmin’s fully integrated G1000.

**ONE-STOP-SHOP**
No other manufacturer offers you the time-saving and quality ensuring advantage of a single point of contact, whether it’s the aircraft, the engine it’s fitted with, our full-size replica simulator or our pilot and maintenance training training at our own TRTO.

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SAFETY BY DESIGN

“Aviation Consumer’s comparative review of aircraft safety found that all of Diamond’s airplanes from the DA20 to the DA42 twins have exceptionally low overall accident rates and low fatal rates.”

ACTIVE SAFETY
Active Safety refers to all the features and characteristics of an aircraft that help pilots avoid an accident, e.g. docile handling characteristics, continued controllability through a stall, positive stability, superior visibility, modern integrated glass cockpit, de-icing.

PASSIVE SAFETY
Passive Safety features are the second line of defense and help minimize the probability and degree of injuries. These elements include, e.g. structural integrity of the cabin under crashloads, effective occupant restraint, impact energy absorption.

DIAMOND AIRCRAFT’S SAFETY CELL
Each Diamond aircraft incorporates an integral cabin surrounding composite “roll cage” structure to provide ultimate protection.

FLAMMABLE FLUID FIRE PROTECTION
The dual spar design and aluminum fuel cells of the DA40, DA42 and DA62 protect the fuel like no other airplane that carries fuel in the wing. Diamond Aircraft uses TSO Stainless Steel braided fuel lines throughout the airframe. They are much stronger than conventional aluminum fuel tubing.

OCCUPANT PROTECTION
We use fixed seatshells with energy absorbing crash elements, antisubmarine geometry and 3-point shoulder/lap restraints.

G1 SAFETY IN GENERAL AVIATION (Source: Aviation Consumer)

We conduct full scale impact testing with instrumented Crash Test Dummies (damage tolerant airframe: 26g crash test, 10g flight tolerance).

Source: www.avweb.com
Austro Engine GmbH of Austria offers innovative solutions in jetfuel piston engines for civilian and non-civilian customers worldwide and also for UAV applications – a new line of rotary engines. Diamond uses proprietary lead-free jet fuel piston engines, made by Austro Engine, for the DA40, DA42 and DA62.

**WHY THE AUSTRO JETFUEL ENGINE AND NOT CONVENTIONAL GASOLINE POWERPLANTS?**

- Burn only half the fuel and pay less for it
- Operate worldwide with globally available jetfuel
- Enjoy a unique high altitude performance thanks to integrated turbocharger
- Focus on flying with easy engine management by an electronic controlled system (ECU) with integrated single power lever design
- Pay less for maintenance
- Fly smoother, quieter and with less emissions.
DA62: THE ULTIMATE FLYING MACHINE – SPEED, STYLE AND SPACE FOR UP TO 7

The DA62 moves more passengers and equipment further and faster than anything else in its class, with exceptional fuel efficiency, luxury and twin-engine security. Space. Performance. Efficiency. Luxury.

AT A GLANCE:
▪ 7 seats, three-row seating
▪ Excellent cabin access
▪ Luxurious leather interior
▪ G1000 NXi, GFC700 3-axis & yaw damper
▪ Twin 180hp jet fuel AE330 engines
▪ High fuel efficiency
▪ Superb performance in all phases of flight (FMS known ice protection [FKI])

DA62: RANGE up to 1,283 nm/2,376 km

“...DA62 is a perfect platform for our use. We fly 300-400 hours a year, to short grass airstrip like Manchester Barton and Wickenby which is only 520m and to major international airport like Luton and London Stansted. The benefit of this is the airplane’s capability of high speed on the approach, no slowing down the commercial traffic behind us. The landing is as easy as it can be with the tripping link undercarriage and larger tyre and feathering props...”

Steven Viner, Chief Pilot, Morson International, UK

DA62: More of the Best
DA42-VI: The Definition of Perfection

The DA42-VI is wonderful. She does everything you promised. Climbs like a rocket through the ice layer, 1350 fpm and still 1100-1200 at altitude. Radar is great. Use it a lot. Data link is great. Weather and sending emails and SMS at altitude. I don’t think there is any other piston twin that comes close price/performance-wise. For those of us who don’t want to spend what it takes to fly a turboprop, the DA42-VI is the perfect airplane. What a dream machine!

Brian Meese, DA42-VI owner, Sweden

DA42-VI: OUR HIGH-PERFORMANCE SINGLE IS A TWIN

The DA42-VI is easy to fly and burns fuel like a single, but with the added safety of a second engine. Impressive cross-country performance pleases private pilots and business owners alike, while the low operating costs make it an ideal advanced trainer.

AT A GLANCE:
- 4 seats, convenient access
- Panoramic canopy
- Luxurious leather interior
- G1000 NXi with 3-axis GFC700 and Yaw Damper
- Twin 170hp Jet fuel AE300 Engines
- Superior Single Engine Performance
- High Fuel Efficiency
- TKS Ice Protection (FLI)
- Payload 589 kg or 1,299 lbs
- Consumption at 60% 39.4 lt/h or 10.4 gal/h
- Max. Speed 365 km/h or 197 kts
- Max. Altitude 5,486 m or 18,000 ft
- Cabin pressurized at 9000 ft

...The DA42-VI is wonderful. She does everything you promised. Climbs like a rocket through the ice layer, 1350 fpm and still 1100-1200 at altitude. Radar is great. Use it a lot. Data link is great. Weather and sending emails and SMS at altitude. I don’t think there is any other piston twin that comes close price/performance-wise. For those of us who don’t want to spend what it takes to fly a turboprop, the DA42-VI is the perfect airplane. What a dream machine!”

Brian Meese, DA42-VI owner, Sweden
The DA50 is the most modern, most efficient single-engine piston aircraft with the widest body and highest payload you can choose today. The perfect aircraft for the demanding pilot who wants to go far, fast without cargo restrictions. A benchmark in luxury, comfort and economy in General Aviation.

DA50-V: BE UNIQUE!
Enjoy the business-class like feeling of the spacious DA50-V with the largest cabin of any single-engine piston airplane. Pilots and passengers go farther with exceptional fuel efficiency, and remarkable handling characteristics. Travel in luxurious comfort and style.

DA50-V: BE UNIQUE!
Enjoy the business-class like feeling of the spacious DA50-V with the largest cabin of any single-engine piston airplane. Pilots and passengers go farther with exceptional fuel efficiency, and remarkable handling characteristics. Travel in luxurious comfort and style.

AT A GLANCE:
▪ 5 seats • Widest and most comfortable cabin in its class • Excellent cabin access • Luxurious leather and chrome interior • G1000 NXi with GFC700 • 260hp jet-fuel engine • High fuel efficiency • Superior slow speed behavior and glide performance

Coming Soon - DA50-V: Be Unique!
DA40 NG: Airborne Innovation

“Taking delivery of a brand new DA40 NG was a dream come true. I have been the happy owner of a DA42 and had long wanted to add a sister single engine plane alongside the twin - for my owner-run rental business. I took the plunge and ordered the DA40 NG. She is beautifully designed, and has a character that shines through as you warm her up, playfully waiting to launch herself into the world. This plane soars rather than just takes off. In her short time in the UK, she has been all over Europe, including down as far as Portugal, and has won many fans.”

Sue Bell, DA40 NG and DA42 owner, UK

DA40 NG: FOUR SEAT VERSATILITY

Whether you are a new aviator looking for the perfect first airplane, an experienced IFR pilot with discerning tastes or a forward thinking flight school, the DA40 NG is the smart choice. The durable composite airframe, ultra low fuel burn and superb handling make the DA40 NG a great airplane for travel, leaseback, and training alike.

AT A GLANCE:

▪ 4 seats / big baggage space
▪ Superb visibility
▪ Durable Composite Airframe
▪ Superior Stability and Control
▪ Garmin G1000 NXi with GFC700
▪ 170hp Jetfuel turbo AE300
▪ Super low fuel burn

**DA40 NG RANGE up to 940 nm/1,741 km**

- **4 seats / big baggage space**
- **Superb visibility**
- **Durable Composite Airframe**
- **Superior Stability and Control**
- **Garmin G1000 NXi with GFC700**
- **170hp Jetfuel turbo AE300**
- **Super low fuel burn**

Payload 410 kg or 904 lbs
Consumption at 60% 19.7 lt/h or 5.2 gal/h
Max. Speed 285 km/h or 154 kts
Max. Altitude 5,000m or 16,400 ft
Our transfer to a DA20 aircraft fleet developed into a total win-win situation for us. Things like reliable performance, modern technology and economic feasibility - when it comes to operation and maintenance - made the DA20 the best choice for our flight school.

Peter Schmidt, Flight School Try to fly, Austria

**DA20-C1: SPORTY, SLEEK, EXCITING**

Imagine taking your favourite sports car and adding wings. That’s the feeling you get when you strap into the two seat DA20-C1 and take to the sky. Sporty, sleek and exciting, yet surprisingly affordable, the DA20 offers outstanding performance, with impressive durability and economy, for personal flying and commercial training.

**AT A GLANCE:**
- **2 seats**
- Tough, reliable, low fuel burn
- Lowest cost certified trainer
- Spin certified
- US Air Force flight screening
- Continental Motors 125hp IO240
- Excellent performance
- Garmin G500 Glass Cockpit
- Great looks, sporty cockpit

**DA20-C1: RANGE** up to 543 nm/1,006 km

- **Payload** 265 kg or 584 lbs
- **Consumption at 60%** 19.7 lt/h or 5.2 gal/h
- **Max. Speed** 241 km/h or 130 kts
- **Max. Altitude** 4,000 m or 13,120 ft

Our transfer to a DA20 aircraft fleet developed into a total win-win situation for us. Things like reliable performance, modern technology and economic feasibility - when it comes to operation and maintenance - made the DA20 the best choice for our flight school.

Peter Schmidt, Flight School Try to fly, Austria
MODERN AVIONICS
Garmin G1000 NXi integrated with GFC700 automated flight control system combined with a safe and reliable structure and economic engines with single lever control.

FLYING IS A PASSION, FLIGHT TRAINING IS A BUSINESS
Whether you run a small FBO or a large University program, cost is a major driver. Flight training aircraft are business tools. They need to meet the mission, be safe, and generate the maximum possible margin for your business. Anything less and you don’t compete. What is the right aircraft for your business? That depends on the type of pilot being trained, what level they are being trained to, and what the utilization is. No single aircraft model meets all training needs and that’s why Diamond offers a full range of modern, safe, efficient and reliable single and twin engine aircraft. From first flight through Commercial multi-IFR with instructor ratings, Diamond has an aircraft to match your needs.

ONE-STOP SHOPPING
No other manufacturer offers you the time-saving and quality ensuring advantage of a single point of contact, whether it’s the aircraft, the engine it’s fitted with, our full-size replica simulator or our pilot and maintenance training (EASA Part 147) at our own TRTO (Type Rating Training Organisation).

TRAINING & SIMULATION

“We are really impressed with our new Jet-A1 powered DA42-VI’s and DA40 NG’s. They are providing us with excellent reliability and are an excellent platform for our training. We expect fuel consumption reductions over our AvGas powered fleet of 32% for our single-engine aircraft and 55% for the multi-engine fleet! Well done to you guys for producing such great products.”

Kevin McMurtrie,
Chief Flying Instructor,
Australian International Aviation College

LES$ FUEL & MORE FLIGHT HOURS
50% less fuel cost
5.2 UsGal per h or 21 Liter per hour
JET A1 Worldwide operability

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**DIAMOND FLIGHT SIMULATION TRAINING DEVICES (FSTD)**

As aviation pioneers we are used 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.

**THE IOS - DESIGNED FOR PLEASANT AND EFFICIENT WORK ENVIRONMENT FOR INSTRUCTORS**

The comprehensive IOS software provides flight instructors with the same capabilities as they are used to find in a full flight simulator - no more small icons and buttons to click on with the mouse, but a self-explanatory touch-screen with logical system pages that can be operated intuitively.

**IMAGE GENERATOR**

The Diamond FSTD comes with the GLOBAL CANVAS image generator (IG). The IG has been developed by Diamond specifically to match the typical usage profile of the Diamond FSTD.

The IG features two cloud-levels and realistic cumulus clouds. It also includes weather phenomena, such as wind (movement of windsocks), rain, snowfall and lightning. The standard database includes worldwide satellite image coverage (15m resolution) and worldwide generic representation for airports with "hard" runways.

**TRAINING & SIMULATION**

"Thank you, Diamond Simulation! We run a very busy schedule at CTC Training UK and both our FNPTII have performed impeccably, logging a total of 12,000 hrs of training details and delivered a 99% availability record since August 2008. To maintain this high level of usage would not be possible without the tremendous back-up facility your service advisors deliver. Diamond Simulation was the correct choice for CTC Training UK."

Drew Guyat, Simulator Manager, CTC Aviation, UK
Like no other special mission aircraft supplier, Diamond Aircraft has taken its MPP concept into a 360° turnkey solution: one single point of contact. The special mission turnkey solutions comprise a cost-efficient fixed wing remote sensing Diamond Aircraft platform, airborne sensors, data-links, ground stations, global support, spare parts, tooling, transport as well as the corresponding pilot, operator and maintenance training.
The DA62 MPP (Multi Purpose Platform) is the next larger Diamond Surveillance aircraft. Besides the well-known outstanding features, such as state-of-the-art glass cockpit, heavy fuel capability and composite technology, especially the size of the DA62 MPP will open a new market for Diamond.

"After we received such an overwhelming response to this aircraft, we recognized that we needed to immediately purchase our first DA42 GUARDIAN to get ahead of demand. There is really no other certified aircraft that offers so much capability at such a low cost to purchase and operate."

Dr. Loren Poulsen PhD, DA42 MPP GUARDIAN Operator, Montana

**DA62 MPP**

- **Payload**: 710 kg or 1,565 lbs
- **Consumption**: 35% total
  - 28 lt/h or 7.4 gal/h
- **Minimum Speed**: 140 km/h or 76 kts
- **Range at 35%**: 2,341 km or 1,264 nm

**DA62 MPP KEYFACTS**

**DA42 MPP**

- **Payload**: 634 kg or 1,398 lbs
- **Consumption**: 35% total
  - 24.2 lt/h or 6.4 gal/h
- **Minimum Speed**: 132 km/h or 71 kts
- **Range at 35%**: 1,974 km or 1,065 nm

**DA42 MPP KEYFACTS**

**ONE AIRCRAFT - MANY MISSIONS**

- Surveillance
- Reconnaissance
- Geo Surveys
- Broadcasting
- More
The DART-550 is the next massive push into being the only aircraft manufacturer in offering the full range for basic flight training, reaching its peak with this soon fully EASA certified DART-550 aerobatic trainer.

**DART-450**
- Turboprop engine AI-450 SR (450 hp) manufactured by Motor Sich.

**DART-550**
- Turboprop engine GE H75-100 (550 hp) manufactured by General Electric.

**AEROBATIC CONFIGURATION 1)**
- Load factor +7 / -4.0
- MTOM 2,080 kg / 4,586 lbs

**UTILITY (MULTI ROLE) CONFIGURATION 1)**
- Load factor +5 / -2.4
- MTOM 2,400 kg / 5,291 lbs

**DART-450 KEY FACTS:**
- Max. Take-off power 495 HP or 369 kW
- Load Factor +7 / -4
- Max. Speed 370 km/h or 200 kts
- Endurance 8 hours +

**DART-550 KEY FACTS:**
- Max. Take-off power 550 HP or 404 kW
- Load Factor +7 / -4
- Max. Speed 491 km/h or 265 kts
- Endurance 8 hours +

1) Applies to the complete DART Series

**LARGEST INTERNAL FUEL TANK CAPACITY IN TRAINER CLASS**
- 8 HRS + ENDURANCE

**LEADING EDGE DE-ICE SYSTEM**
- MOST AERODYNAMIC SHAPE FOR HIGH SPEED TRAINING MANEUVERS
- 5 BLADE PROPELLER POWERED BY FUEL & COST EFFICIENT TURBINE
- EXTREME ROBUST LANDING GEAR FOR UNPAVED SURFACE OPERATION
- PROVEN HIGH SPEED WING (WIND TUNNEL TESTED UP TO M0.65)

**EJECTION SEATS, TOUCH SCREEN AVIONICS HOTAS, NVIS**
- 15" CAMERA HATCH FOR MULTI ROLE OPERATION

**DIAMOND CONFIG: DART-550**
- Turboprop engine GE H75-100 (550 hp) manufactured by General Electric.

**DIAMOND CONFIG: DART-450**
- Turboprop engine AI-450 SR (450 hp) manufactured by Motor Sich.

**TANDEM SEAT, SIDE STICK CONTROL, EJECTION SEATS, TOUCH SCREEN AVIONICS HOTAS, NVIS**
- LARGEST INTERNAL FUEL TANK CAPACITY IN TRAINER CLASS
- 8 HRS + ENDURANCE

**LEADING EDGE DE-ICE SYSTEM**
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**DOUBLE SLOTTED FLAPS FOR MAXIMUM LIFT EXTREME LOW STALL SPEEDS SHORTEST LANDING DISTANCES**
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