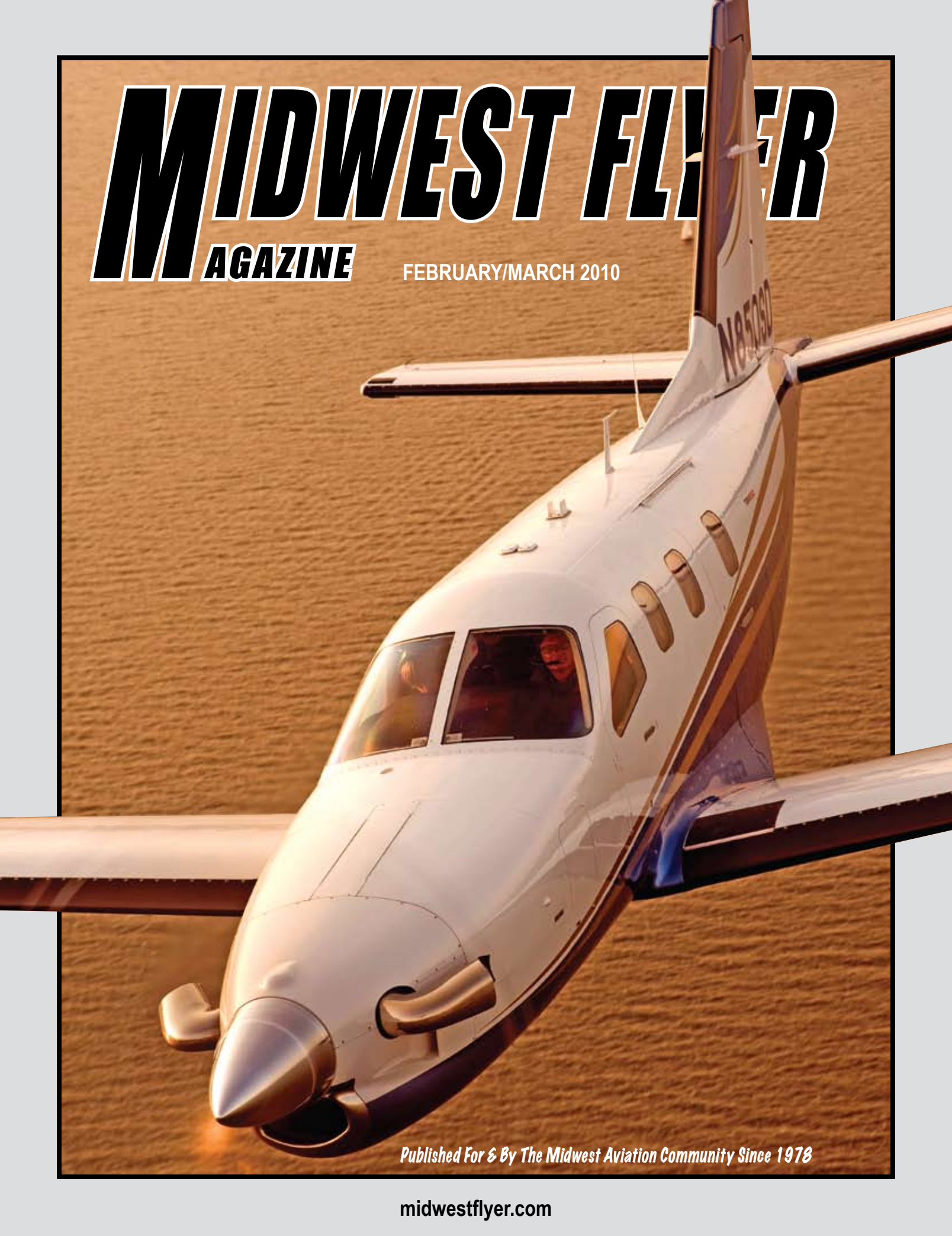


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# The DAHER-SOCATA TBM 850...

## The Very Fast Turboprop!

If you are looking to get around in a hurry, with the capability of trans-continental flight, yet are not yet ready for a pure jet, then the DAHER-SOCATA TBM 850, nicknamed the “Very Fast Turboprop,” may be your answer. The TBM 850 is the world’s fastest single turboprop aircraft, with a maximum cruising speed of 320 KTAS at Flight Level 260 (in ISA conditions). It combines the cruising speed and trip times of a light jet with the economic direct operating costs, range and the moderate environmental signature of a turboprop. The maximum range and useful load – which are enhanced on the current model – and the capability to land at small airports, are some of its customers’ favorite features.

At \$3 million, the TBM 850 is not for everyone, but nice if you can afford one. It’s an owner-operator aircraft. The U.S. is the largest single market for TBM family aircraft. In 2009, more than 70 percent of all TBM 850 deliveries were for U.S. owner/operators.

In 2009, DAHER-SOCATA introduced the FAST (Fly And Share Your TBM) co-ownership program, which provides days of exclusive use per year on an unlimited flight hour basis, which differs from traditional fractional programs requiring the purchase of annual flight hours used or lost.

### TBM History

Founded in 1863, DAHER is an independent international group, with more than 7,000 employees and 12 international installations (four in Western Europe, three in Eastern Europe, two in North America, two in Africa and one in Australia).

DAHER is a European integrated equipment and services supplier. In addition to aerospace, DAHER specializes in two other sectors:

nuclear and defense. DAHER SOCATA is one of the world’s leading general aviation manufacturers, with more than 17,000 aircraft built since its creation as Morane-Saulnier in 1911. Current products include the TBM 850 turboprop aircraft, aero-structures for civilian airliners, military transports, business and regional jets, and helicopters.

In 1990, DAHER-SOCATA certified with the FAA and French DGAC (now EASA) the first, fully-pressurized, single-engine, turboprop



DAHER-SOCATA TBM 850

aircraft in the world, the TBM 700A. The TBM 700 airframe design incorporated a variety of aluminum and steel alloys, including Titanium, as well as advanced composite materials that come together in an airframe of unmatched structural strength and durability at the lowest possible weight at an affordable cost. Design engineers employed failsafe design techniques on the TBM airframe including the use of multiple load paths, a crack-stopper band and a minimum number of smaller access panels to maximize structural life and sub-system reliability, as well as to minimize repair-cycle times.

In 1992, to replace the obsolete Morane MS 760 Paris Jet, DAHER-SOCATA began an on-schedule and on-budget delivery of the TBM 700A to the French Air Force and French Army Aviation. According to feedback from French military pilots, the TBM is “simple to master, a dream

to fly and has superior performance characteristics across the entire flight envelope.” The French Armed Forces have accumulated up to 600 flight hours per year per aircraft in accomplishing a wide range of VIP passenger and light-cargo missions in varied operating environments, including operations in combat zones.

Certified in 1999, the TBM 700B model added a larger cargo door and an optional pilot entry door. While its commercial success was growing in the U.S., the French Army Aviation took delivery of three B model aircraft, bringing the total military aircraft to 28 TBM 700s in 2002. With the addition of a gaseous back-up oxygen system (with EROS quick donning masks), the service ceiling of the TBM 700B was raised to 31,000 ft.

In 2003, the TBM 700C2 was certified with an increased maximum takeoff weight of 7394 lbs, allowing for an increased payload of 865 lbs with full fuel. This modification included reinforced airframe and landing gear, crashworthy seats certified to 20 Gs, new interior, and a new rear external luggage compartment. The TBM 700C2 was also certified at 31,000 ft, thanks to the gaseous oxygen system.

In 2006, DAHER-SOCATA introduced the TBM 850. Strictly identical to the airframe of the TBM 700, the TBM 850 aircraft is also powered by the Pratt & Whitney PT6A turboprop engine. The new PT6A-66D powerplant produces 1825 eshp flat rated to 850 shaft horsepower and gives the TBM 850 jet-like performance with turboprop efficiency and economy.

During the last 20 years, DAHER SOCATA has delivered more than 500 TBM aircraft and accumulated more than 600,000 flying hours of reliable and safe operations without a single structural airframe failure. DAHER-SOCATA’s TBM 850 defines a new class of airplane, the Very Fast Turboprop (VFT), breaking new speed records against its predecessor, the TBM 700. [www.tbm850.com](http://www.tbm850.com) □