

THE MACHINE

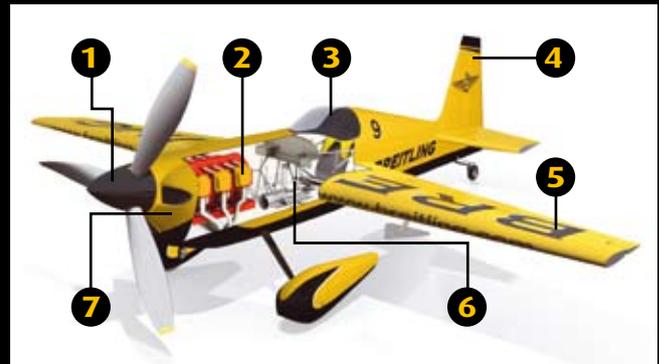


THE MACHINE

THE MXS

Made from an aerospace grade carbon fibre material called Toray, the MXS represents a new breed of aircraft using the latest state-of-the-art design and technology. The emphasis on the MXS is aerodynamic efficiency. Designed by MXR Technologies, USA, it is believed this breed of aircraft will set the standard for future development in this arena.

- 1. Prop** Hartzell 'Claw' aerobatic propeller.
- 2. Engine** Parallel valve, roller cammed six cylinder 300hp Lycoming IO540. The exhaust is a six-into-one and the whole package sounds awesome!
- 3. Canopy** Opens from the left using a recessed lever. Emergency jettisoning means it can be opened in flight and it will smash on the wing allowing to pilot to exit the aircraft.
- 4. Rudder** Huge rudder fitted with single rudder cable. Should make the MXS good for tumbling manoeuvres.
- 5. Ailerons** Full-span with four hinges. Various wingtips available. Where the ailerons fly in relation to the wing can be altered as can the receivers to alter the hinge point.
- 6. Fuel System** Main fuel is behind the firewall with 66 litres of which 20 are held within an aerobatic collector box with flop tube. Forward of each main spar is 76 litres; a healthy 218 litres in total. Smoke tank holds around 25 litres.
- 7. Cowlings** Prototype racing design with three round mouths set in a triangle. The single lower mouth is a gaping (but screened) feed direct to the fuel servo, the upper two provide cooling through an upper plenum chamber.



Performance

Max speed (vne)	230 kt
Stall speed	58 kt
Top speed level flight	210 kt
Cruise speed	190 kt
Roll rate	420 sec
Range	750 nm
Vertical penetration	3500 ft
Fuel capacity	58 us gal
Fuel capacity (optional long range)	78 us gal
Engine	250-380 hp

Dimensions

Length	21.35 ft
Wing span	24.0 ft
Wing area	102.0 sq.ft
Height	6.0 ft
Empty weight	1190 lb
Gross weight	1840 lb
Aeros weight	1600 lb
G loading	+/-14 g