The three-blade constant-speed propeller rotates at high speed.

The Nakajima Sakae radial air-cooled engine is replicated in intricate detail.

Rudder can be moved left and right, and elevators move up and down.

Your Zero Fighter model includes a display stand full of working electronics for you to assemble and wire up.

Retractable landing gear

1:18 SCALE
MADE WITH ALUMINUM METAL PARTS

Making your A6M Zero Fighter

3D Scanning
Replicated in detail using photographs and technical drawings from the Zero and reproduced using the latest 3D rendering techniques.

Modeling
The 3D images capture every single component of the Zero, and these are used to create a series of over 100 individual molds from which the model parts are formed. The molds are made from polyurethane, some of which weigh over 1 tonne, and can measure over 1m (3.3ft). Each mold is inspected by hand before the casting process maintains the original detailed precision of the clay models, known as ‘bokken’. It is used for casting to give the desired combination of light weight, durability, and fine detailing.

Painting
Once the parts have been formed they are painted with the precise colours of the original aircraft R-11.

Production
Every stage of the design and production process was carefully vetted and approved by our expert team here at Agora Models.