



*The Incomparable*

**Mach 2**

**LIGHTNING**

# **LIGHTNING** speed and performance is a *PRESENT* reality



## **FAST INTO ACTION**

Reaches operational height within 2.5 minutes from brake release.

## **MACH 2 PLUS**

Acceleration from Mach 1 to Mach 2 takes less than 3.5 minutes. Mach 1 can be reached without reheat.

Lightning is fully operational with the Royal Air Force as an all-weather day and night interceptor. Developed versions with even greater performance are already on the production line.





### AMAZINGLY MANOEUVRABLE - YET DOCILE

Lightning is highly manoeuvrable and fully aerobatic whether subsonic or supersonic. It is easily controlled over a speed range of 13 to 1.



### A PILOT'S AEROPLANE

Pilots like the Lightning's ease of control at all speeds (based on inherent aerodynamic stability), as well as its responsiveness, positive feel, twin-engined reliability and safety.

## Twin-engined Safety and Reliability

In Modern High Speed Combat Aircraft, twin power units are vital for the safety of the pilot and his aircraft. Lightning combines the advantages of twin and single engines by mounting both on the centre line. Asymmetric characteristics are, therefore, avoided when flying on one engine. Lightning flies and can land or even take off on one engine without difficulty.

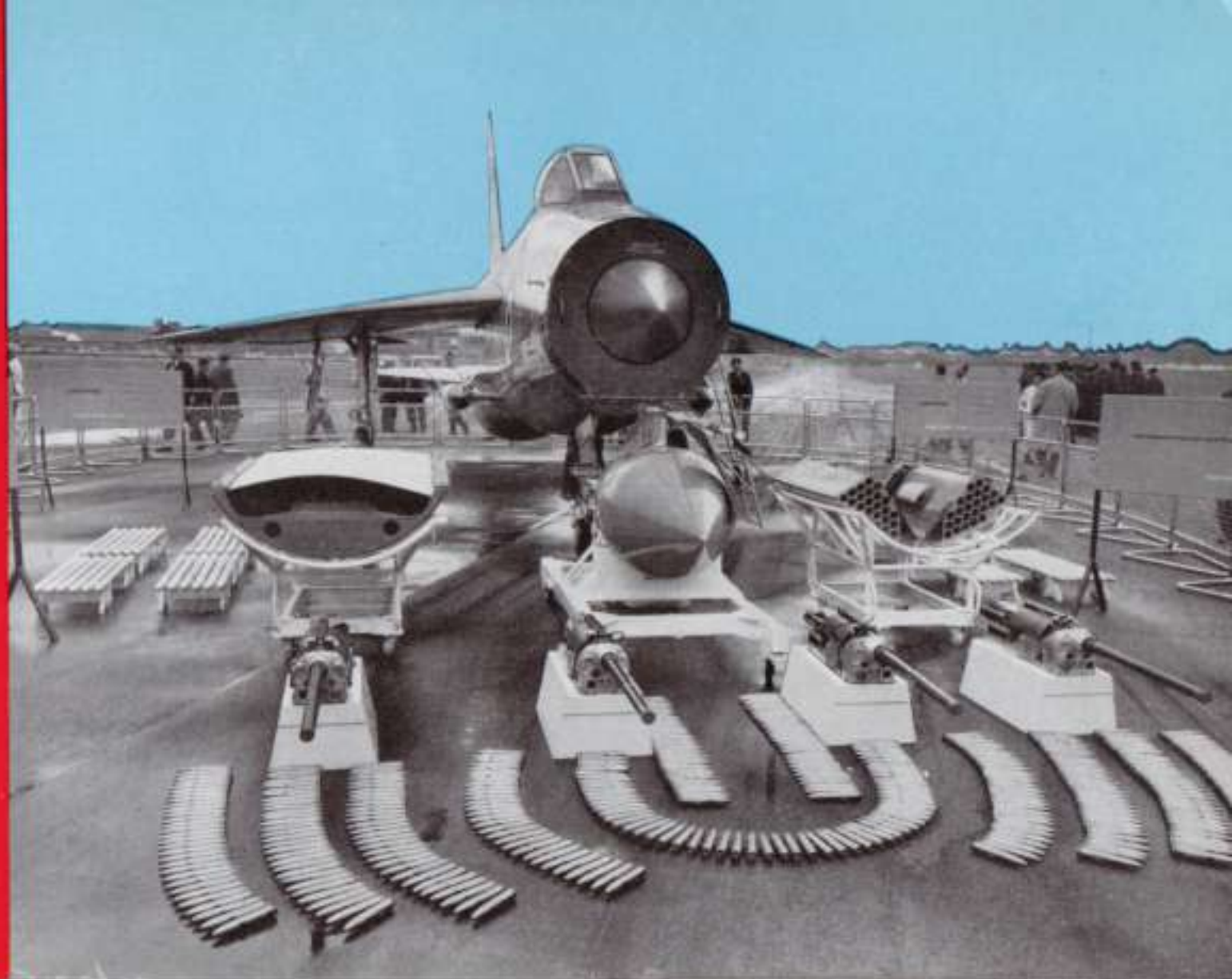


## FULLY INTEGRATED WEAPONS SYSTEM

Engines, airframe, radar equipment, electronic aids, armament and fire control devices, were all planned from the start as an integrated system for maximum operational achievement.

## ARMAMENT QUICKLY ADAPTABLE TO OPERATIONAL REQUIREMENTS

A variety of armaments can be fitted to meet changing operational needs. All armament combinations were developed as part of the overall weapons system concept. Changeover is a matter of minutes.



## SIMPLE AND STRAIGHTFORWARD LANDING

The Lightning can be landed and brought to rest in 800 yards. Special runways are not required.



## BUILT IN DEVELOPMENT POTENTIAL

The basic design offers great possibilities in increased performances as well as adaptation to other roles.



## The 2 seat **LIGHTNING**

### **Trainer... conversion trainer... or fully operational aircraft**

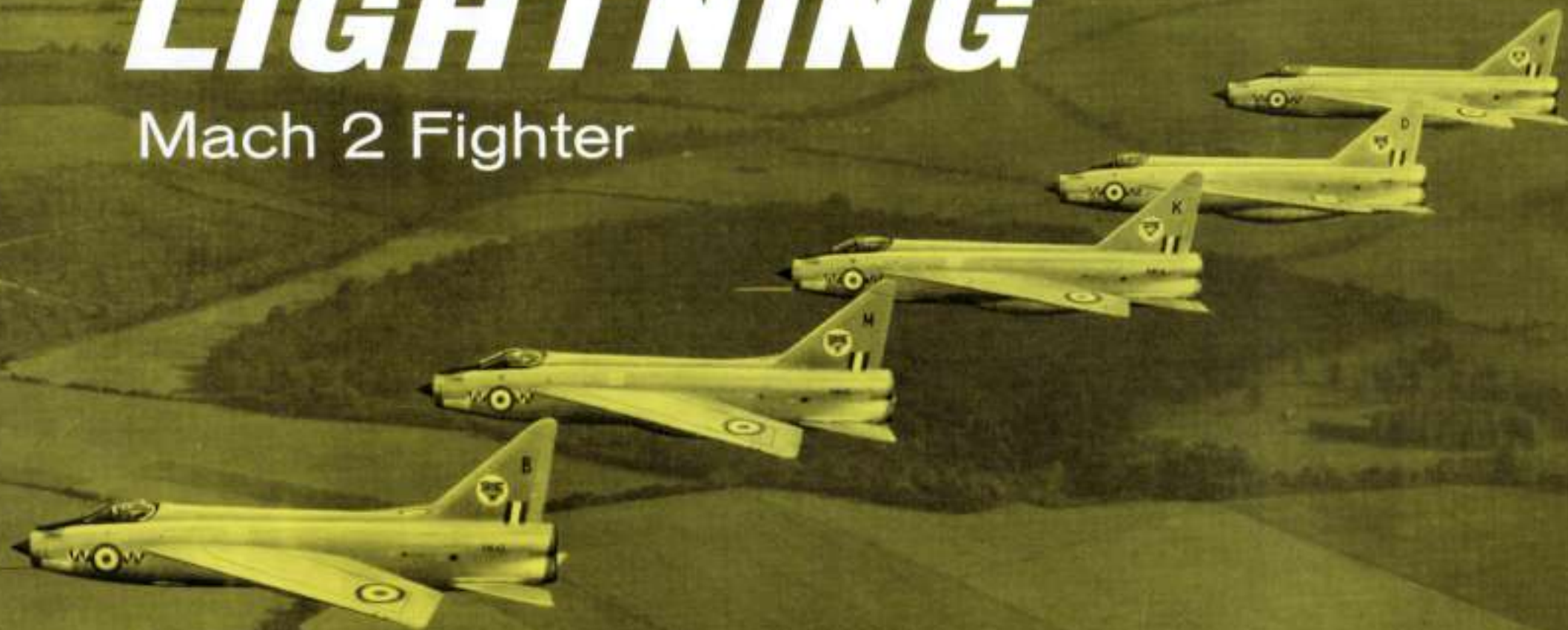
This two-seat version is comparable in performance to the single seater. It has the same full navigational and landing aids, the same airborne search and tracking radar. All controls and instruments including Radar Fire control are duplicated. The same aircraft can combine training and fully operational functions—a factor of immense importance where defence budgets are tight.



ENGLISH ELECTRIC

# ***LIGHTNING***

Mach 2 Fighter



ENGLISH ELECTRIC AVIATION LIMITED A Company of

**BRITISH AIRCRAFT CORPORATION**

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