

# Eurofighter plans to take on the world

The controversial **Eurofighter Typhoon** – conceived 18 years ago as a state-of-the-art combat jet – finally goes into full-scale production, with first deliveries in 2001. The four-nation Eurofighter consortium aims to capture half of the world fighter-aircraft market over the next 30 years, selling 400 aircraft worth over \$50 billion

Length: 15.96m  
Wing span: 10.95m  
Range: 550km supersonic

**Infra-Red Search and Track:**  
Pilot can use helmet-aiming system to detect, engage and destroy target aircraft using air-to-air missiles

**Stealth:** Radar-absorbent materials (RAM) used extensively around air inlet and cockpit. Combination of composites and RAM has reduced radar cross-section so aircraft is scarcely detectable by enemy radar

**AIM-120 AMRAAM:**  
Advanced Medium Range Air-to-Air Missile. Range 50km

**ASRAAM:** Advanced Short Range Air-to-Air Missile. Range 10km

**Typical mission load:** 13 external stores carrying four AMRAAMs, two ASRAAMs, two underwing 1,500-litre fuel tanks and seven 450kg bombs

**Two EJ200 turbofan engines:** Max speed of Mach 2 (2,388 km/h).  
**Can cruise at Mach 1.1 at "full dry power" – with afterburners disengaged – to extend combat radius.** Only other fighter capable of this is Lockheed Martin/Boeing F-22

**Meteor:** FMRAAM – Future Medium Range Air-to-Air Missile to be used by RAF

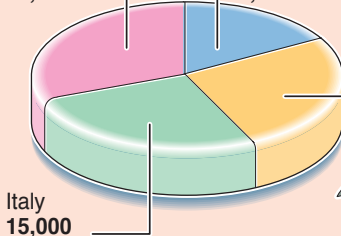
## Existing contract for 620 aircraft

Britain	Germany	Italy	Spain
232	180	121	87

Ceiling price per aircraft: **\$86 million**

## Skilled jobs created by Eurofighter

Germany	Spain	Britain
18,000	10,000	15,000



## Potential international sales

Norway **20-30** (pending parliamentary debate)

Greece **60-90**

South Korea **40-150**

Towed radar jammer on 100m cable

Centre fuselage fuel tank

## Maintenance

Man hours per flying hour

<b>Eurofighter</b>	<b>9</b>
<b>F-14 Tomcat</b>	<b>63</b>
<b>F/A-18 Hornet</b>	<b>27</b>
<b>Tornado</b>	<b>16</b>

Rudder

Parachute door

Variable-area afterburner

Multi-spar, carbon-fibre wing panels and fuel tanks

Wingtip active jamming pod and radio antenna

Dorsal airbrake panel

Martin Baker Mk 16A ejection seat

Inflight-refuelling probe

Variable air intake

## Who builds what

Germany	Italy	Germany
Germany	Spain and Italy	
Britain	Britain and Italy	

**Canard foreplanes:** Improve take-off performance. Digital fly-by-wire flight control system ensures pilot cannot exceed aircraft's flying limits

**ECR 90 pulse-Doppler multi-role radar:** Can identify 8 targets simultaneously at range of up to 150km