

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

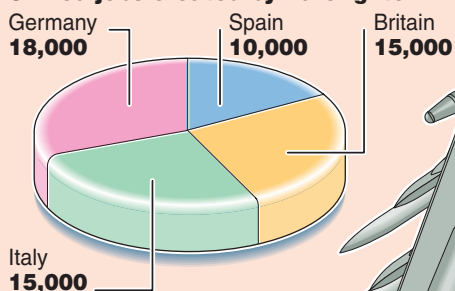
Stealth:

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

Existing contract for 620 aircraft

Britain	Germany	Italy	Spain
232	180	121	87
Ceiling price per aircraft: \$86 million			

Skilled jobs created by Eurofighter



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

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

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

Maintenance

Man hours per flying hour

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

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

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

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

Who builds what

	Italy	Germany
Germany		Spain and Italy
Britain		Britain and Italy

Sources: Eurofighter International, Ken Petrie, World Air Power Journal, Jane's Air-Launched Weapons

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