

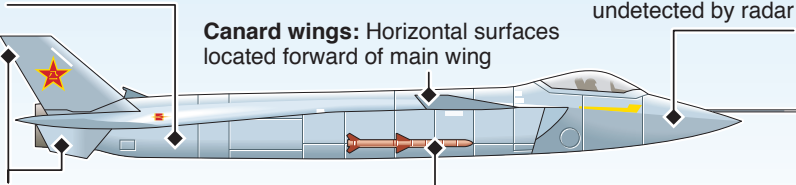
# China reveals stealth fighter prototype

China is believed to have begun testing its first stealth fighter jet, years ahead of Western predictions. The *Chengdu J-20* could rival the U.S. *F-22 Raptor* – one of the world's most technically advanced warplanes – within eight years and be mass produced at a fraction of the cost

**Powerplant:** Reported to be twin 14,500kg-thrust *Saturn 117S* turbofans supplied by Russia – engines have thrust vectoring nozzles for agility

**Body:** Stealth shaping similar to F-22, helps aircraft to remain largely undetected by radar

**Canard wings:** Horizontal surfaces located forward of main wing



**Rear:** Twin, all-moving vertical stabilizers and smaller ventral fins

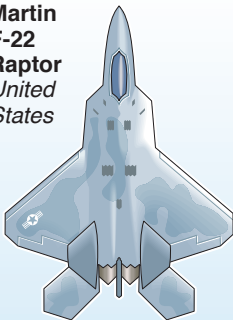
**Armament:** Possible side missile bays, plus other weapons carried internally. J-20 compatible with newly developed Chinese air-to-ground weapons

**STEALTH FIGHTERS COMPARED:** J-20 bigger and heavier than rivals – implying generous internal fuel capacity

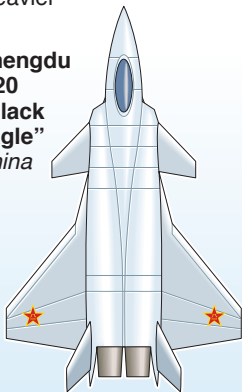
**Sukhoi  
T-50  
PAK FA**  
*Russia*



**Lockheed  
Martin  
F-22  
Raptor**  
*United  
States*



**Chengdu  
J-20  
"Black  
Eagle"**  
*China*



Length: **19.8m**

**18.9m**

**23m**

Top speed: **2,600km/h**

**2,390km/h**

**2,120km/h\***

First flight: **2009**

**1997**

**2011**

Operational: **2015**

**2005**

**2017-2019**

Cost: **\$100 million**

**\$150 million**

**\$75-80 million\***