

Boeing 737-800

Full-Flight Simulator

Product Sheet FT45

© by Lufthansa Flight Training



With our full-flight simulators we offer you a flight training that meets the latest technical standard and is tailor-made for the requirements of modern airlines. Naturally we adapt our simulators so that they reflect your fleet's systems environments and cockpit layouts as well as your airline's procedures. This enables you to orient your training to accord with your own line operations.

LOCATION

Lufthansa Flight Training Center, Berlin-Schoenefeld (Simulator-ID: FT45)

SIMULATOR

Simulator Manufacturer	Mechtronix Systems, Canada
In Service Date	April 2007
Aircraft Model	737-800
Registration (Master Aircraft)	Boeing Standard Blockpoint 01
Product No.	YK131
Simulator Host Computer	COTS rack mounted PC technology with race cards
Motion System	Digital 6 DOF Electrical Motion System (36 inch actuator stroke)
Control Loading	Digital electrical flight control system

AIRCRAFT SYSTEM

Engine Version	CFM56-7B (27K)
Auto Flight System	Collins (software solution)
Flight Management System	Dual FMC, General Electrics, Load 10.7, Smiths Test Station
TCAS II	Collins (software solution)
ACARS	no
EGPWS	Honeywell (software)
GPS	Honeywell (software)
ADIRU	Honeywell (software)
Common Display System	Honeywell, Block 04, simulated

VISUAL

Visual System Manufacturer	Rockwell Collins, England
Type of Image Generator	EP-1000CT
Type of Display	SEOS Panorama Lightning Mirror 180x40 deg FOV, LCoS Projectors HD10K
Illumination Levels	Day/Dusk/Dawn/Night
Number of Airport Scenes	Total: about 90 (increasing) European: about 40 (increasing)

INSTRUCTOR STATION

Computer	COTS PC
Display	2 x 15" colour graphic LCDs with touch sensitive overlays
Printer/Plotter	Laser printer outside simulator
Number of Malfunctions	about 270, all abnormal checklists are covered
Automated Training Lessons	available on request
Predictive Windshear	various profiles available (Microburst)
Non-Predictive Windshear Scenarios	FAA windshear profiles for T/O and Landing available
TCAS	scenarios for all types of Traffic and Resolution Advisories
ATIS	no
Debrief Station/Video/Recording	no
Smoke Simulation	yes

OPTIONS

Common Display System	original OPC-diskette with all options can be loaded (e.g. X-bar / V-bar), Vertical Situation Display (VSD) in progress
FMC	all FMC pins and OPC options available (i.e. various T/O thrust ratings)
Autoflight	all FCC pins available, CAT 3B capability
EGPWC	all strapping available (i.e. callouts)

QUALIFICATIONS

German LBA	JAA Level B, annually, according to JAR-STD 1A
JAA STD ID Code	DE-1A-056

Simulator Fleet

At our locations in Frankfurt/Main, Berlin, Bremen, Munich, Essen, Vienna and Zurich about 40 full flight simulators reproducing more than 20 aircraft types are at your disposal for cockpit crew training.

Click here to find our full-flight simulator fleet: [Airbus](#), [Boeing](#), [Bombardier](#), [Embraer](#).

Click here to find our [other training devices](#).

Cockpit Training. Developed from Airline Experience.