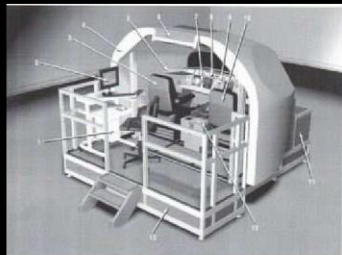


FOR MORE INFORMATION
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Item Number	Name	Item Number	Name
1	Instructor's computer	8	Flight control unit
2	19-inch LCD (on swivel arm)	9	Centre panel (with ECAMS)
3	Captain's seat	10	First Officer's seat
4	Enclosure	11	19-inch rackmount
5	Glareshield	12	pedestal
6	Overhead panel	13	Base (rear)
7	Captain's instrument panel		



FOR SALE

Atlantis A320 FAA level 4/FTD
Flight Training Device
\$120,000 OBO

GENERAL DESCRIPTION

The Atlantis Level 4+ A320 FTD is a partially enclosed mockup of an A320 series cockpit on a fixed base. The main components of the system include a flight crew station, instructor station, and electronics rack. The FTD is equipped with limited capability manual flying controls, side sticks, and rudder pedals.

Flight Crew Station:

A forward instrument panel (A320 series) with glare shield, FMS, cockpit displays (PFDs, NDs, ECAMS), flight instruments, and controls.

A pedestal assembly with MCDUs, thrust levers, trim wheels, flap lever, speed brake, and controls and switches found on an A320 aircraft.

An overhead panel corresponds to the overhead panel in the A320 cockpit.

Captain's and First Officer's side console with side sticks.

Captain's and First Officer's sets of rudder pedals.

Captain's and First Officer's seats.

Instructor Station:

A 19-inch touchscreen color LCD mounted on a swivel arm attached to the frame behind the Captain's seat.

An instructor station equipped with a computer with a recordable CD ROM drive, keyboard, and mouse. This is a stand-alone, movable station.

Electronic Rack mounts:

A 19-inch rack mount attached to the forward section of the base (behind the forward instrument panel).

A separate computer cabinet on wheels housing two computers, and an I/O computer chassis.

The cockpit structure: is spatially correct for relative distances between cockpit components, for angles between cockpit panels, and for instrument, switch, and display component sizes.

A320 COCKPIT COMPONENTS

The following list contains the component make-up of the A320 FTD cockpit. The components are classified as follows:

Functional - Components that function in both normal and abnormal operation as per the A320 Flight Crew Operating Manual (FCOM).

Non-functional - Components that have the physical appearance of normal aircraft hardware but do not interact with the simulation in anyway.

Graphic - Components that are represented by Lexan artwork.

Absent - Components that are neither physically nor graphically replicated.

1. Forward Instrument Panels

- Glareshield
- Autoland lights (L/R) - functional
- Master Warning (L/R) - functional
- Master Caution (L/R) - functional
- Chrono pushbutton (L/R) - functional
- Side Stick Priority Lights (L/R) - functional
- FCU control panels (L/R) - functional
- EFIS Control Panels (L/R) - functional
- Baro Reference Display Window-functional
- Captain's Instrument Panel
- Baro Reference Selector - functional
- GPWS/GS Indicator Lights - functional
- PFD BRT/OFF - functional
- PFD/ND XFR - functional
- ND BRT/OFF - functional
- Loudspeaker Switch/Volume Control - Non-functional
- Console/Foot Lighting Control Switch - Non-functional
- Sidestick/Rudder Pedals - partially functional
- Centre Instrument Panel
- DDRMI - graphic
- ECAM Display Upper - functional
- ECAM Display Lower-functional
- Landing Gear Status - functional
- Auto/Brake A/Skid Nose Wheel - functional
- Brake Cooling Fan Switch - functional
- Landing Gear Lever - functional
- Brake Pressure Indicator - functional
- Clock - partly functional/graphic, clock indication only
- TERR on ND Switch - Non-functional
- First Officer's Instrument Panel
- GPWS/GS Indicator Lights - functional
- PFD BRT/OFF - functional
- PFD/ND XFR - functional
- ND BRT/OFF - functional
- Loudspeaker Switch/Volume Control - Non-functional
- Console Lighting Control Switch - Non-functional

Available Malfunctions
The following malfunctions, organized by system, are available:

ATA 21:

SYS 1 FAULT SYS 2 FAULT AFT CAB DUCT
OVHT
EXCESS CAB ALT (No door fault)
ATA 23:
RMP 1 FAULT
ATA 24:
GEN 1 FAULT GEN 2 FAULT IDG 1 OIL
OVHT
IDG 2 OIL OVHT AC BUS 1 FAULT AC BUS
2 FAULT AC ESS BUS FAULT DC BUS 1
FAULT DC BUS 2 FAULT DC ESS BUS
FAULT
TR1 FAULT
TR2 FAULT

ATA 26:

ENG 1 FIRE (2 Bottles)
ENG 2 FIRE (2 Bottle)
ENG 1 FIRE (Inextinguishable) ENG 2 FIRE
(Inextinguishable) APU FIRE
ENG 1 LOOP A FAULT
ENG 1 LOOP B FAULT

ATA 27:

ELAC 1 FAULT ELAC 2 FAULT SEC 1
FAULT SEC 2 FAULT SEC 3 FAULT
FLAPS LOCKED (F.I.P.) SLATS LOCKED
(F.I.P.)

SFCC Fault
Left Spoiler 3 Fault

ATA 28:

R XFR VALVE CLOSED L TK PUMP 1 LO
PR

R TK PUMP 1 LO PR
L TK PUMP 1+2 LO PR R TK PUMP 1+2 LO
PR CTR TK PUMP 1 LO PR

ATA 29:

G RSVR LO LVL
Y RSVR LO AIR PR B RSVR LO LVL
B RSVR OVHT
Y ELEC PUMP LO PR
PTU FAULT

ATA 30:

ENG 1 VALVE CLSD ENG 2 VALVE CLSD
ENG 1 VALVE OPEN ENG 2 VALVE OPEN L
WING VALVE OPEN R WING VALVE

CLOSED

ATA 31:

DMC 1 FAULT DMC 2 FAULT DMC 3 FAULT

PFD 1 Fault

PFD 2 Fault

ND 1 Fault

ND 2 Fault

UPPER ECAM Fault

LOWER ECAM Fault

ATA 32:

LGCIU 1 FAULT LGCIU 2 FAULT DOORS

NOT CLOSED (Left)

GEAR NOT UNLOCKED (Left)

GEAR NOT DOWNLOCKED (Right) GEAR

NOT DOWN (Normal Extension)

GEAR UNLOCK FAULT (Left) BRAKES HOT

ATA 34:

ILS TX Fault G/S TX Fault ELS RX 1 Fault

1 LS RX 2 Fault AVNCS SMOKE

RA 1 FAULT

RA 2 FAULT ADR 1 FAULT ADR 2 FAULT

ADR 3 FAULT

ATT DISCREPANCY (Pitch ⁺⁶ deg) ATT

DISCREPANCY (Roll ⁺⁶ deg) GPS 1 FAULT

ATA 36:

ENG 1 BLEED LEAK

ENG 2 BLEED LEAK APU BLEED LEAK

ATA 70:

ENG 1 FAIL

ENG 2 FAIL

ENG 1 IGN FAULT (Single Igniter)

ENG 2 IGN FAULT (Single Igniter)

ENG 1 START VALVE FAULT (F.I.P.)

ENG 2 START VALVE FAULT (F.I.P.)

ENG 1 LOW N1 (Start)

ENG 2 START FAULT (Hot)

ENG 1 START FAULT (Hung)

ENG 2 THR LEVER FAULT (Fail in T/O

Position)

ENG 1 THR LEVER FAULT (Fail Idle-Ground,

CLB-In Air) ENG 2 THR LEVER FAULT (Fail

Idle-Ground, CLB-In Air)

MISC:

FMGC 1 FAULT FMGC 2 FAULT FWD

CARGO (No pressurization)



2. Pedestal Assembly

MCDU (L/R) - functional

RMP (L/R) - functional

Audio Control Panel (L/R) - SATCOM - partly functional

Lighting Panel (L/R) - partly functional

Weather Radar Panel - graphic

Switching - functional

ECAM Control - functional

Thrust lever Quadrant

Thrust Levers - functional

Reverse Thrust Lockouts - functional

Pitch Trim Wheels - partially functional

Engine Master Switches - functional

Engine Mode Selector Switch - functional

Speed Brake Lever-functional

Rudder Trim Control Panel - functional

Flaps Lever - functional

Parking Brake - functional

Gear Extension Handcrank - functional

ATC Control Panel - graphic, non-functional

ACARS Display - absent

Printer - graphic

3. Overhead Panel

Functional light plates are present for all functional and non-functional sub-panels.

ADIRS - functional (except ADIRS Keypad - graphic)

DATA switch

TEST - functional

PPOS - functional

FLT CTL (L/R) - functional

EVAC- Non-functional

Emergency Electric Panel - functional

EGPWS Panel - functional

Cockpit Voice Recorder Controls - Non-functional (Ground Control light -functional)

Passenger Oxygen Panel - Non-functional (Crew Supply - functional)

Cabin Flight Crew Calls Panel - Non-functional (Emergency call light functional)

Rain Repellent Pushbuttons (L/R) - Non-functional

Wiper Control Switches (L/R) - Non-functional

Fire Control Panel - functional

Hydraulic Control Panel - functional (Ram Air Turbine Switch - functional)

Fuel Control Panel - functional

Electrical Power Control Panel - functional (Battery Indicators (1/2) - graphic)

Galley Pushbutton Switch - Non-functional

Air Conditioning control panel - functional

RAM Air Pushbutton - functional

Anti-Ice Control Panel - partly functional

Exterior Lights Control Panel - Non-functional

Probe/Window Heat - Non-functional

APU Control Panel - functional

Cabin Pressure Control Panel - functional

Interior Lights Panel - Non-functional (Ovhd Integ Lt Control - functional)

Cabin Signs Control Panel - functional

Emergency Exit Lights Switches - functional

Audio Control Panel - graphic

Radio Management Panel - graphic

Aft Cargo Heat Control Panel - functional

Cargo Smoke Control Panel - functional

Ventilation Control Panel - functional

Manual Engine Start Control Panel - functional.