

Touch Screen Trainer

3D Simulator with high fidelity simulation software

Exail Touch Screen Trainer (TST) is a 3D modular training device with high fidelity simulation software that increases training efficiency and optimizes training time. Exail TST includes high versatility and fidelity of the hardware, aircraft panels, in addition to latest multi-touch screen technology to enhance training quality and efficiency of your crews.



TOUCH SCREEN TRAINER

- Exail interactive learning Touch Screen Trainer includes the latest 3D technology with high fidelity simulation software that enables crews to learn flight procedures efficiently and gives in-depth knowledge of any system of the aircraft
- Developed to match EASA and FAA certification requirements to meet the highest demanding training standards and objectives.
- A modular design that allows each customer to find the best fit between on-screen virtual panels and high fidelity hardware replicas
- TST represents the best cost-effective training solution to complement a training center equipped with FFS simulator fleet.

BENEFITS

- Derivative to FFS level Simulation software
- Optimizes training time, efficiency, flexibility and reduces significantly training cost.
- Extremely low and easy maintenance requirements
- Malfunction list similar to FFS
- Certified EASA FSTD-A FTD Level 1 and FAA Level 4

FEATURES

- High fidelity and flexible hardware solution
- Use of Customer Navigation Database
- Ergonomic Instructor Operating Station
- PC-based Windows environment
- Customization to customer needs and budget
- Animated Schematics and tutorials

TRAINING EVENTS

- FMS Procedures
- Normal and Abnormal Procedures
- Pre-flight and In-Flight Checklists
- Precision and Non-Precision Approaches
- Pick-list of systems malfunctions

TECHNICAL SPECIFICATIONS

Training Improvement

Thanks to Exail TST capacity to offer standard free play simulation , the intensive use very early in the ground course enable Instructors and trainees to be immersed in the same way and with the same level of system simulation as in a full flight simulator that leads to improved learning process

Customization

Customer satisfaction is a priority which goes through adapting the solution to the user need and budget.
Exail's TST can integrate hardware replicas in accordance with Customer's requirements on the choosen configuration

Specifications⁽¹⁾

	A320	A330	B737NG
Simulation software	Up to Standard 2.1 Airbus FWC and EFCS SSP	Up to Standard 2.5	Based on tail number YS 371. Other tail numbers available on customer request.
Hardware in basic configuration	Full glareshield (FCU, EFIS and glareshield panels), MCDU Captain and First Officer, ECAM Control Panel, ECAM Switching Panel	Full glareshield (FCU, EFIS and glareshield panels), MCDU Captain and First Officer, ECAM Control Panel, ECAM Switching Panel	MCP, ECP, MCDU Captain and First Officer, lower EICAS
Optional hardware	Throttles with Engine master switches, Sidesticks, Rudder pedals with spring-loaded or active control loading, Flaps/ Slats lever, Rudder Trim Panel, Speed Brakes lever	Throttles with Engine master switches, Sidesticks, Rudder pedals with spring-loaded or active control loading, Flaps/ Slats lever, Engine mode selector, Speed Brakes lever	Complete Throttles quadrant (equipped with motorized throttles, speedbrake lever, trim wheels, flap lever, parking brake), Control Column, Rudder pedals with active control loading



Ergonomic Instructor Operating Station



B737 MCP / ECP close-up: Hardware replica quality and fidelity bring training to the highest level



A320 Touch Screen Trainer pedestal in full configuration