Overview

Adacel’s MaxSim Ultra 3D Tabletop Simulator is a modern interpretation of a long standing ATC training tool – the tabletop trainer. MaxSim Ultra features a fully functional, interactive 3D ATC simulator integrated with student speech recognition and an instructor touchscreen telestrator to offer a new dimension to classroom training.

The MaxSim Ultra is a low cost easy to deploy solution to teach airport familiarization, ATC tower and ground control procedures and aviation phraseology.

How Does it Work?

Students work airport traffic primarily using a 3D overhead view of the airport. The instructor can select from multiple pre-defined airport views including from the pilot’s perspective.

Aircraft and ground vehicle movements are controlled by students using speech recognition. Special requests and events can be programmed into the scenario by the Supervisor during runtime or ahead of time in the user-friendly scenario editing tool.

MaxSim Ultra is fully compatible with Adacel’s MaxSim tower simulators so existing scenarios, playing areas and 3D visual databases can be readily used. The system can also be integrated with MaxSim Tower and MaxSim Radar simulators for team training.
**SUPERVISOR FUNCTIONS**

- Touchscreen telestrator to illustrate teaching points on screen
- Input events to simulate a variety of unusual situations and emergencies
- Change the weather gradually or instantly
- Adjust the time of day
- Turn on/off airport lighting
- Pause and playback scenarios

**ADDITIONAL FEATURES**

- Students have the option of practicing on MaxSim Ultra alone by automating other controllers.
- MaxSim Ultra utilizes a BOCA printer to print tangible flight strips.
- Adacel’s Lexix speech software allows instructor’s to enter local phraseology into the grammar library. This makes it possible to train using procedures specific to your airport and letters of agreement.
- The student positions can each display up to four screens. These can be configured for airport diagrams, communications panels, weather displays, information displays, ground and area radar displays.