Operator Training Simulators

DESK STYLE Railroad Simulators

Corys simulators provide a fully functional replication of the operating controls, computer-generated scenery, signaling systems, positive train control systems, with real-time train dynamics based on accurate geo-located track and railroad assets including switches, signals, signs, etc.

Corys DESK simulators are custom-designed to customer specifications with the following basic features:

- Dashboard/cab console closely replicated for accurate component functionality and location.
- Small floorplan footprint (approx.7 ft. by 7 ft.)
- Straightforward installation
- Designed with heavy-duty casters to roll through standard 36-in by 80-in doorways.
- Built with readily available commercial-off-the-shelf components.
- Built for standard classroom environment (requiring only one 110VAC–20 amp circuit).

Operator Training Simulators

HYBRID STYLE Railroad Simulators

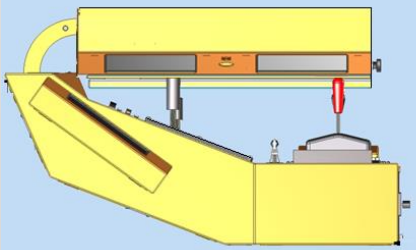
Corys simulators provide a fully functional replication of the operating controls, computer-generated scenery, signaling systems, positive train control systems, with real-time train dynamics based on accurate geo-located track and railroad assets including switches, signals, signs, etc.

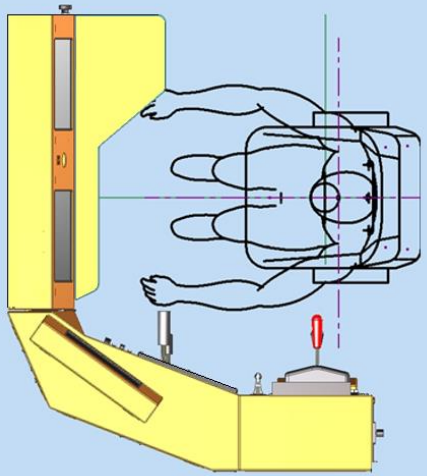
Corys HYBRID simulators are custom-designed to customer specifications with the following basic features:

- Implements both a cab console and AAR control stand to closely replicate various locomotive control layouts.
- Small floorplan footprint (Approximately 5 ft. by 5 ft.).
- Straightforward installation with minimal connections.
- Built with readily available commercial-off-the-shelf components.
- Built for standard classroom environment (requiring only one 110VAC–20 amp circuit).

Optional Fiberglass Half-cab enhancement with side view.

- Designed to fold in half to fit through a standard doorway.
- Mobile with heavy-duty casters.





Operator Training Simulators

TABLETOP STYLE Railroad Simulators

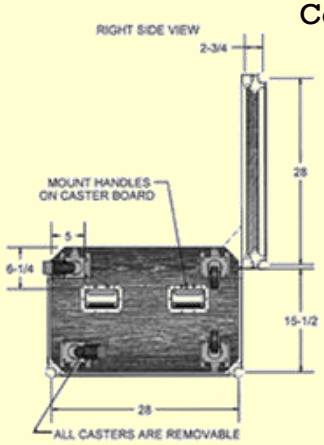
Corys simulators provide a fully functional replication of the operating controls, computer-generated scenery, signaling systems, positive train control systems, with real-time train dynamics based on accurate geo-located track and railroad assets including switches, signals, signs, etc.

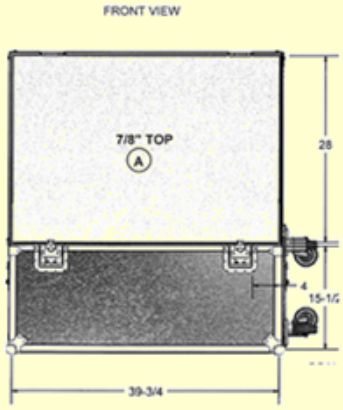
Corys TABLETOP simulators are a low-cost standard design with the following basic features:

- Steel construction assembled with actual train controls to replicate the correct tactile and feedback response. (Approx. 70 lbs.)
- Built for standard classroom environment (requiring only one 110VAC–15 amp circuit).
- Includes the same software and functionality as the large scale simulators.
- Easy setup, one-button startup, and simple shutdown.
- The instructor can operate the simulator as stand-alone or connect the simulator to an instructor station with other simulators.

Corys TABLETOP simulators are designed to be portable and mobile:

- Easy to pack into a 15.5” x 28” x 39.75” travel case designed with custom compartments for the tabletop simulator.
- The travel case includes removable casters that are stowed during shipping.





Operator Training Simulators

QUARTER CAB Railroad Simulators

Corys simulators provide a fully functional replication of the operating controls, computer-generated scenery, signaling systems, positive train control systems, with real-time train dynamics based on accurate geo-located track and railroad assets including switches, signals, signs, etc.

Corys QUARTER CAB simulators are custom-designed to customer specifications with the following basic features:

- Closely replicate functionality of the cab controls and indications in all locations surrounding the front window.
- Small floorplan footprint (Approximately 5 ft. wide by 6 ft. deep).
- Designed with heavy-duty casters to roll through standard 36-in by 80-in doorways.
- Built with readily available commercial-off-the-shelf components.
- Built for standard classroom environment (requiring only one 110VAC–20 amp circuit).

CORYS www.corys.com

Dynamic simulation for
Power, Transportation and Hydrocarbons Industries

Contact AMECO for more information or demonstration:

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WORLD-LEADER in RAIL SIMULATION ***Over 400 CORYS simulators in North America***

AN EFFECTIVE TRAINING TOOL

Flexible training routes

The simulated train travels both directions on all customer-operated tracks including yards and sidings of the selected rail line as in the real world.

The session can start and end at any location. The train can also be parachuted to a new location while the simulation is frozen without the need for re-initialization.

Realistic CGI graphic features

Corys CGI renders the scenery in multiple ***points of view*** for front, side, rear platform, and helicopter perspectives.

V***isual and audio effects*** can be triggered by pre-programmed conditions or can be activated in real-time during the training session.

- Choose the date, time, and weather
- Adjust the wind speed to add wind noise, moving tree branches and shadows
- Control the signals and switches
- Add recorded messages, multimedia, and interactive CBTs
- Add other trains into the scene
- Add bulletins, Form A, B, & C paperwork
- Dispatch radio communications
- and more….

Corys CGI simulates the sun (including sun glare) automatically based on date, time, and location. Other light sources include headlights, light poles, etc.

Realistic CGI graphic enhancements

Corys also offers simulated passenger boarding and simulated road traffic.

PRACTICE OPERATING PROCEDURES

Operating, Yard, & Mainline Procedures

Corys simulators reproduce the dynamic behavior of the specific locomotives, cars, braking systems, etc.

Troubleshooting & Emergency Procedures

Train system faults are included to simulate abnormal conditions.

PERFORMANCE EVALUATIONS

Training Objectives

Detailed templates can be configured by the instructor to define objective scoring.

Evaluation Records

Scoring results are published in reports, log files, and analysis plots. The results can be interfaced with a Learning Management System (LMS).

Canada

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VIA Rail

United States

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BART
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Caltrain
Conrail
CSX Transportation
CTA
FEC
FRA
Genesee & Wyoming
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LIRR
MBTA
Metra
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Metro North
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New Jersey Transit
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