

CONFIDENTLY *consolidated*



ATS-500
Functional Tester



FREEDOM R8100 LMR/PTC
Service Monitor



ATS-3100 PXI
Integration Platform

Maintain a state of good repair for on board and wayside assets with universal, consolidated test solutions

The efficient and reliable maintenance of electronic circuits over their long working life is critical to the safe operation of mass transit systems. Test all of your critical electronics systems with our comprehensive solutions, consolidating the work of many testers into one.

From Consolidated Automated Bench Test Equipment (CABTE) to Portable Test Equipment (PTE), leverage our 60 years of test and measurement expertise to ensure optimal performance of your critical systems and provide safe, reliable transportation for your passengers.

Learn more: astronics.com/mass-transit-test-equipment

Feeling Crowded?

Reduce the footprint of your test equipment with consolidated solutions

The maintenance of public transportation systems is vital to the safety of their passengers. Transit authorities face various challenges when it comes to maintaining a state of good repair, but perhaps one of the most significant is that test equipment is typically specific to only one application or component of the rail car. This creates a serious issue in that most repair operations do not have the required floor space or budgets to support multiple pieces of test equipment from various manufacturers. Not to mention, these components are expected to have a long lifespan (upwards of 25 years), often rendering test equipment obsolete or inoperable by the current workforce responsible for maintenance and repair.

These issues have driven the need for truly universal, consolidated bench test equipment (BTE) that captures the capability of these various test systems in one

scalable platform. With support for a variety of complex, on-board and wayside systems, including high power, communications and control, radio frequency, and electrical-mechanical-pneumatic, consolidated test solutions also reduce cost and precious floor space in the shop.

For more than 60 years, Astronics Test Systems has designed and manufactured test instruments and automated test systems that verify system performance, commission systems, and help test, diagnose, and repair complex electronics over the lifetime of the product. From this experience, we have developed a commercial off the shelf (COTS) "Common Core" family of consolidated support equipment for all maintenance and verification needs. Our portable systems support commissioning, maintenance of way, and onboard testing. The larger solutions provide factory and depot

Consolidated Test Solutions



Consolidated test solutions from Astronics combine the work of multiple testers into one, universal platform





New York City Transit (NYCT) has long been an advocate of consolidated BTE. Our work with them has helped provide 8,200 train trips and safe, on time arrivals for 5.58 million riders on an average weekday. With floor space at a premium in New York City, it was very important to consolidate the footprint of the test equipment as much as possible for them. NYCT has the largest self-maintained fleet in North America and the ability to turn product quickly back into the field has been invaluable.

With an ever-changing product mix, rapid technology advancements, and pressures to keep trains in service while cutting costs, consolidated test solutions are vital to the long-term sustainment of transit authorities and their suppliers. Contact Astronics Test Systems today to get started.

[Astronics.com/mass-transit-test-equipment](https://www.astronics.com/mass-transit-test-equipment)

or back shop support. All of our solutions share common software, operator tools, and instrumentation, with each system being configured and scaled to provide “just enough” capability for the application.

Astronics works with vehicle manufacturers and major systems providers using an integrated product team (IPT) approach. Our strong relationships allow us to coordinate, understand, and apply detailed design data from each supplier to create a solution that handles the work of dozens of testers. For our customers, this translates to savings on:

Space:

- Fewer testers required means less floor space occupied
- In-house capability to repair allows for reduced spare parts and inventory

Time:

- Training is simplified with technicians having to learn only one system
- Repairs can often be done in-house, helping return assets to service faster

Cost:

- Initial purchase is significantly less than the cost of multiple testers
- Reduced inventory and spare parts due to in-house capability to repair

ASTRONICS
TEST SYSTEMS