

# ASTRONICS

TEST SYSTEMS

## ATS-500 High-Power Testing

Consolidated, Functional Testing, Part of the ATS-5000 Series

Rail car manufacturers and original equipment manufacturers (OEMs) are frequently presented with the unique problem of having multiple vendors that need support for high-power testing.

Typically, high-power testers are designed to test a specific, individual, high-power unit. With consolidated test solutions from Astronics Test Systems, multiple vendors can be tested on the same test platform.

As part of the Astronics Test Systems portfolio of consolidated bench test equipment (BTE), Astronics has introduced the ATS-500 High Power (HP) Test System.

### Ultimate Flexibility

Astronics has been providing high-power test solutions for a variety of UUTs throughout the transit industry for more than a decade. From GTO and IGBT-based chopper LRUs to high-speed circuit breakers, we have consistently developed safe, specification-compliant, bench test equipment for all of your high-

power testing requirements.

The ATS-500 HP can be configured to test most power electronics in a rail car, such as:

- Auxiliary power systems, 100KVA+
- Single and multi-phase inverters
- DC to DC converters
- Full load testing for AC and DC LRUs and LLRUs
- Dead battery starters
- Rail gap detectors
- Propulsion drive systems
- High-speed circuit breakers
- Fully integrated safety systems to protect the operator







## Test It All

Test your power systems from board to box-level at your factory or repair depot.

- **Save time and cost:** complete turnkey solution
- **Upgradable, modular, and configurable:** select COTS instruments to configure, update, or expand functionality to meet your exact requirements and future needs
- **Efficient:** consolidated footprint to maximise space in your depot

or factory

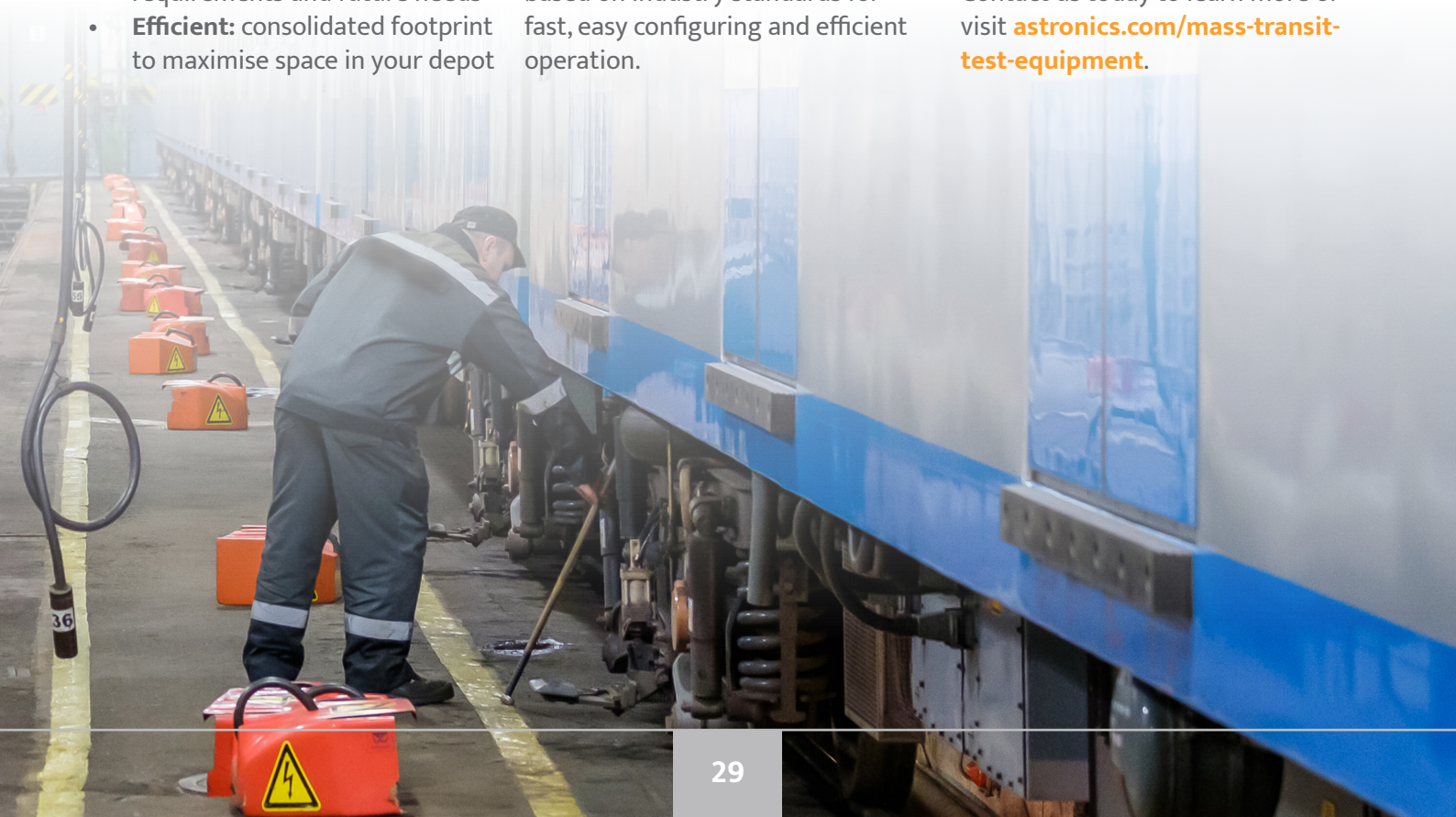
- **Flexible:** based on industry-standard instrumentation such as LXI, PXIe and others
- **Supportable:** dedicated engineering, factory, and field support staff

Astronics Test Systems delivers your solution with an open architecture based on industry standards for fast, easy configuring and efficient operation.



The ATS-500 HP is your state-of-the-art choice to ensure optimal performance of critical systems.

Contact us today to learn more or visit [astronics.com/mass-transit-test-equipment](http://astronics.com/mass-transit-test-equipment).





# MAINTENANCE

that gives you  
PEACE OF MIND



**ATS-500 Functional Test System**



**High Voltage**



**HVAC**



**Door Operation**

Maintain a state of good repair for onboard 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.

Our consolidated solutions cover virtually every critical system on board the train, as well as wayside. From communications and control, to HVAC, to door operation, to high voltage applications, the ATS-500 family is your state-of-the-art choice to ensure optimal performance of your complex electronics.

**Maximum uptime. Functioning systems.  
Happy passengers.  
How's that for peace of mind?**