

PMAT 2000®

The Complete Electronic Data Loading Solution for the Entire Fleet

Teledyne Controls' Portable Maintenance Access Terminal 2000 (PMAT 2000®) system is a rugged flightline maintenance support tool that performs the following functions:

- Loads software parts into avionics systems, EFBs, navigation databases and safety systems
- Provides access to onboard maintenance systems
- Collects and returns data from the aircraft to the operator



Easier Data Distribution and Loading

The PMAT 2000 system solution accepts software parts directly from floppy disks, USB memory sticks and CD/DVD ROMs, or electronically from Teledyne Controls' LoadStar® Server Enterprise (LSE) network distribution program. The PMAT 2000 system supports a variety of data loading protocols, including ARINC 615 and 615A. The system also maintains a report of all data loading activities, which are identified by aircraft tail and user.

Software Configuration Control with LoadStar®

The PMAT 2000 system solution is delivered with the LoadStar application, which provides configuration control of software parts by aircraft types and tail numbers. The LoadStar program guides the operator to the proper software parts only showing those available for the particular aircraft being loaded.

Maintenance Platform for Third-Party Applications

The PMAT 2000 system provides a common maintenance platform to support maintenance activities for a wide range of avionics systems. It supports all loadable GE engine FADEC across commercial and military aircraft, as well as a number of third-party applications used for various maintenance activities', such as B767 bleed air valve calibration, Embraer Primus Epic data loading, B777 and EFB loading and Honeywell EGPWS data loading.

A Complete and Scalable Solution

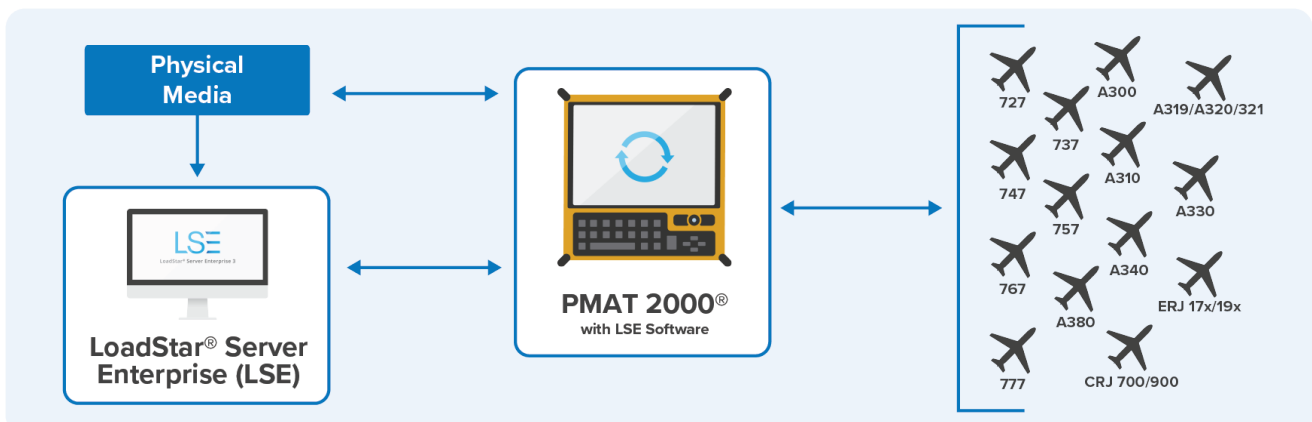
The PMAT 2000 system is delivered as a complete tool kit that includes all the hardware, software, cables and accessories necessary to support hundreds of avionics systems. Based on the OEM or customer requirements, the PMAT 2000 kits can be customized and expanded, as needed.

Key Benefits:

- Configuration control of Software Parts
- Data loads from floppy dis, USB, CD/DVD ROM or from the PMAT 2000 hard drive to loadable aircraft equipment; logs are returned through LSE
- High-speed and high-volume data loading
- Data loading hardware and software solution
- Compatible with LoadStar and LSE software
- Supports the entire fleet
- Cost-effective portable diagnostic tool

Key Features:

- ARINC 615 loading over ARINC 429
- ARINC 615A loading over Ethernet/CAN/AFDX
- Session logs
- GE Engine FADEC/EEC software reprogramming the health of onboard systems, such as:
 - Simple test port connection to the EEC
 - Supports CFM56, CF34, CF6-80C, GE-90, GEnX. T700, CT-7, F404/414, GP7200
- Embraer Primus EPIC avionics loading
- Digital documentation platform
- B757/767 MCDP
- Supports EFB loading
- B767 bleed air valve diagnostics
- B777 AIMS programming support
- Supports secure Airbus ARINC 615 and ARINC 615A loading
- Honeywell EGPWS data loading
- Designed for the flightline environment



Characteristics:

- **Display:** High-resolution, sunlight readable, and anti-reflective
- **Batteries:** Dual lithium-ion, internally charged, standard battery packs; 5+ hours of battery life with hot swap capability allows battery replacement during operation or loading without reboot
- **Data I/O:** 10/100 Base-T Ethernet (2), ARINC 429 (2 TX, 4 RX), USB 2.0 (2), RS 232/422 (5), CAN (1)
- **Optional Data I/O:** AFDX, external CD/DVD ROM, external floppy drive, equipment and aircraft cabling
- **PCMCIA Capability:** Single type I/II external slot
- **Operating System:** Microsoft® Windows 7
- **Size & Weight:** 13.5" h x 13" w x 2.5" d / 342 mm x 330 mm x 63.5 mm, 12.5 lbs / 5.6 kg (batteries included)
- **Warranty:** 2 years standard with extended warranty options, CE approved

LoadStar® Configuration Management Software Features:

- Storage, transfer, verification, and deletion of software library files
- Complete transfer and verification control of the B777 MAT Mass Storage Device
- Distributes Software Parts to the PMAT 2000 system through a network interface via LSE

