

# PMAT 2000<sup>®</sup> SYSTEM

## PORTABLE MAINTENANCE ACCESS TERMINAL 2000

The Complete Electronic Data Loading Solution for the Entire Fleet

DOCUMENTATION



PMAT 2000<sup>®</sup>

DIAGNOSTICS



LoadStar<sup>®</sup> and LSE

Teledyne Controls' Portable Maintenance Access Terminal 2000 (PMAT 2000<sup>®</sup>) 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 configuration control for all software parts in an airline fleet
- Provides access to onboard maintenance systems
- Collects and returns data from the aircraft to the operator

### Easier Data Distribution and Loading

The PMAT 2000<sup>®</sup> system solution accepts software parts directly from floppy disks, USB memory sticks and CD/DVD ROMs, or electronically from Teledyne Controls' LoadStar<sup>®</sup> Server Enterprise (LSE) network distribution program. The PMAT 2000<sup>®</sup> system supports a variety of data loading protocols, including ARINC 615 and ARINC 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<sup>®</sup>

The PMAT 2000<sup>®</sup> system solution is delivered with the LoadStar<sup>®</sup> application, which provides configuration control of software parts by aircraft types and tail numbers. The LoadStar<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> system is delivered as a complete tool kit that includes all of the hardware, software, cables and accessories necessary to support hundreds of avionics systems. Based on the OEM or customer requirements, the PMAT 2000<sup>®</sup> kits can be customized and expanded, as needed.

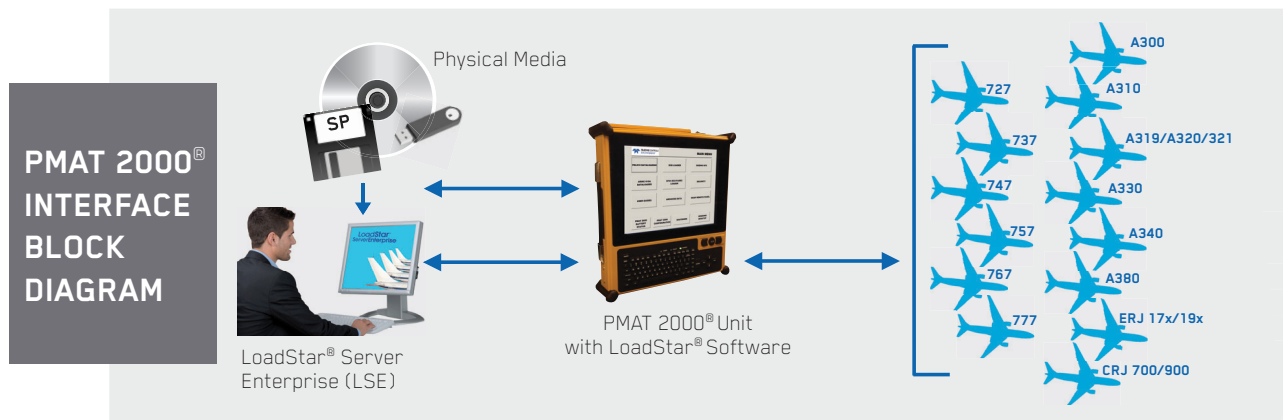
## KEY BENEFITS

- Configuration control of Software Parts
- Data loads from floppy disk, USB, CD/DVD ROM or from the PMAT 2000<sup>®</sup> 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<sup>®</sup> 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
  - 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

Note: Delivered software applications and features depend upon the software and hardware purchased.



## 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> system through a network interface via LSE