

# BEAR<sup>®</sup>

## PACE 400 Professional WorkStation



**Intelligent Modules & Custom Software make  
the Professional WorkStation a Wise Choice!**

# Bear's Expandable PACE System &

## Standard Leads

include engine temperature, battery voltage, ignition primary, conventional secondary with adapters, DIS primary & secondary with quick-clips and #1 sync. Also furnished are dual trace scope inputs and separate low & high amp probes.

## Vacuum/Pressure

transducer is especially suited for fuel injection system testing where fast, dynamic response & accuracy are required. Standard snap fittings permit quick adaptation of vacuum or fuel rail connectors.

## Computer Platform

utilizes IBM-compatible PC running on MS-DOS. Features 2 Mb RAM, large-capacity hard drive, 3.5" floppy disk drive, expansion card slots & more. Protected by slide-access window on cabinet.

## OBC Module

option reads fault codes and/or serial data & pinpoints toughest drivability problems. Operates from vehicle battery with LCD remote when in portable mode.

## 4-GAS

### Analyzer Module

allows complete exhaust gas measurement & fuel system diagnosis. Infrared gas analyzer, cal gas bottle & sample system filters easily accessed. Meets or exceeds all Federal 207B & California BAR accuracy requirements.

## Deluxe Cabinet

constructed of heavy gauge steel. Pull-out drawers have roller bearings. Ergonomic design improves efficiency & reduces fatigue. Locking swivel casters provide secure positioning.

## EDGE SIMU-TECH+™

option enables computerized engine control & ABS systems testing & diagnostics capability.

## Swing-Out Boom

provides organized lead storage with convenient access.

## Color VGA Monitor

choice of 14" or 17" provides high resolution for graphics & displays. Adjustable swivel-mount.

## Enhanced Keyboard

is AT 101-key style. Convenient location for user efficiency.

## Interactive Training

option is a package consisting of educational software, user's guide & course textbook.

## Timing Light

includes advance/retard/store features.

## Engine Analyzer Module

offers complete DIS & EFI systems diagnosis. Card slots permit future expansion.

## Hand-Held Remote

connected to PC via high-speed CAN network for at-vehicle control of all functions. Back-lit LCD display easy to read. Help key provides instant access to operation & test instructions.

## CD-ROM Drive

option provides access to CD-based information systems such as Bear Diagnostic FlowCharts or GM Expertec™ 15/ Mitchell® On-Demand™ program.

## 24-Pin Printer

prints reports, service information & technical illustrations. Pull-out tray provides full printer access & easy paper loading.

## Battery/Charging/Starting

load module runs full automatic temperature-compensated battery test with CCA reading. Tests discharged batteries without charging.

## CCD 1000 Alignment Package

option adds state-of-the-art computer 4-wheel alignment capability.



# Intelligent Modules Keep Current with Chan

## Custom Modules Key to System's High Performance!

The PACE 400 Professional WorkStation is Bear's most advanced automotive diagnostic analyzer. It's designed around your professional requirements, and most importantly, allows you to efficiently address the needs of your customer.

PACE (Professional Automotive Computer Equipment) is a PC-based work platform utilizing custom modules which enable the technician to access information & perform specialized tasks including:

- engine diagnostics • ECM & ABS circuit testing utilizing series or parallel connection & automated sweep tests • gas analysis • diesel smoke testing • wheel alignment • OEM-recommended diagnostic procedures provided by Diagnostic FlowCharts • interactive training courses such as EFI system & 4-wheel alignment • industry-proven information systems & more!

Bear's Professional WorkStation is an advanced automotive diagnostic task integrator enabling comprehensive service capability!

## Hand-Held Remote Allows At-Vehicle Operation!

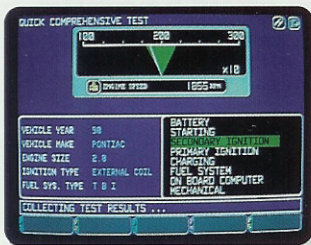


Bear's Professional WorkStation includes a compact, full-function remote control/terminal as standard equipment. The remote is connected to the IBM-compatible PC via high-speed CAN communication network. It literally puts the power of the PC in the hands of the technician. Full computer keyboard function allows at-vehicle control or display of test prompts & data. It features large, easy-to-use function keys & back-lit alpha/numeric selection keys. Lead status & help keys are dedicated. The remote is rugged & lightweight, featuring a 20-foot quick-connect communication cable & full rubber boot protection.

In addition, the hand-held remote functions as a mobile display terminal for use with the optional Model 40-135 On-Board Computer (OBC) Module. The OBC Module is capable of reading fault codes and/or serial data to pinpoint hard-to-find drivability problems during actual vehicle operation.

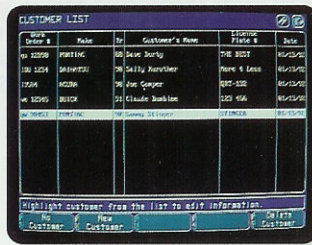
# ing Automotive Service Technology.

*User-friendly software & hardware help a busy shop work efficiently.*



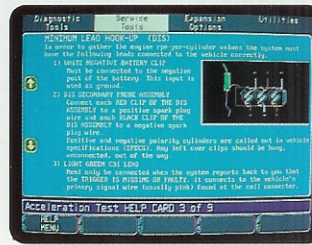
### Quick Comprehensive Test

enables easy automatic testing of all vehicle systems including fully-loaded battery test. Reports with specifications, diagnostic data as well as diagnostic messages are provided.



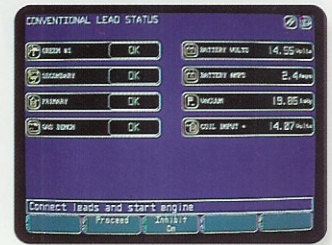
### Customer List

allows in-process customer information & vehicle specs to be stored for quick retrieval when authorization or parts are received. Enables floppy disk storage & retrieval of customer diagnostic reports.



### Help "Hot Key"

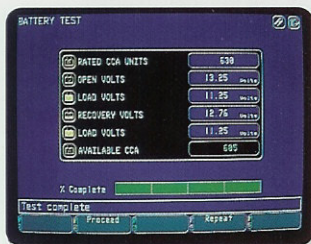
puts operational & service test help one keystroke away at any time. Help feature includes both text & color graphics along with hints addressing specific vehicle testing situations.



### Lead Status

uses live, on-screen lead status icons to alert operator to lead connection problems. This screen is one keystroke away at any time.

*Special live service tests & instant access to detailed diagnostics provide speed & accuracy.*



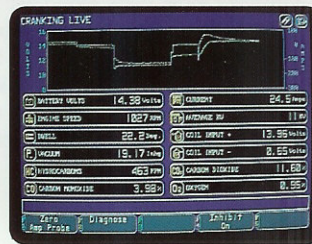
### Battery Test

offers temperature-compensated automatic battery testing with CCA reading. Tests discharged batteries accurately without initial charging. Special battery diagnostic software tests failure modes that carbon pile testers cannot.



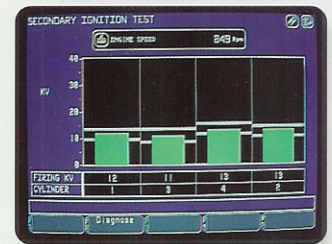
### Cylinder Efficiency

is a modern power check allowing measurement of cylinder output without disabling computer-controlled fuel systems. Measures output of DIS engines without interrupting electrical connectors.



### Cranking Live

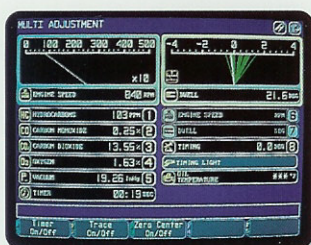
is a system service test permitting manual procedures to be performed. Prompts lead through data collection. Diagnostic tests are one keystroke away. Diagnostic messages also available.



### Secondary Ignition Test

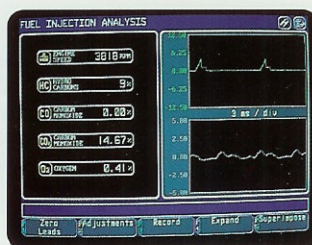
is a live test keeping track of cylinder misfires with min/max memory bars. "Hot key" to diagnostic mode where any ignition problem is displayed in red & diagnostic reports are available.

*High technology tests engineered to changing needs of today's technician & garage environment.*



### Multi Adjustment

features selectable meters allowing display of digital test values on digitized analog meters. All basic engine adjustment readings are available on one easy-to-use & read screen. Can automatically track peaks, center



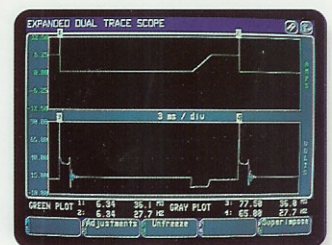
### Fuel Injection Analysis

is a custom dual-trace EFI test screen displaying both fuel pressure & fuel injector inductive waveforms. A dual hall-effect, low amp probe provides easy EFI diagnosis without back-probing connectors.



### Sequential Secondary

ignition enables live digitized ignition patterns to be frozen & printed. Other selectable ignition patterns include parade, raster & single cylinder. Displays conventional & DIS patterns without breaking into



### Expanded Dual Trace

scope offers selectable input for low amps, primary & secondary ignition, & vacuum/pressure. Two auxiliary input leads enable circuit probing. Features storage function, variable sync triggers, adjustable measurement cursors & variable scales.