



SmartDisplay™



The Company:

VMC specializes in testing, and communicating with, the truck and vehicle data buses. Designing productivity solutions for truck and heavy-equipment via; sensors, controls and communicating with these via LAN, radio and Internet to the customers operation, for over 10 years. VMC is Located in Redmond WA.

VMC is dedicated to providing solutions, to vehicle manufacturer's customers needs. VMC's customers include world-class companies, like Cat, MACK, PACCAR, Freightliner, Raymond, Ford, GM.

Product Concept –

VMC has filed for trademarks for the name **SmartDisplay™**. The product provides an effective means of communication between:

- ❖ **Driver** by means of a display with buttons and sound (SmartDisplay™),
- ❖ **Vehicle** by means of the Vehicle Data Bus (J1708/J1587, J1939, Cat Data Link)

SmartDisplay™ is the on-board hardware and software that links vehicle data bus, to the operator.

Highlights of SmartDisplay™ is as Simple as 1...2...3

1. It's Affordable: Uses an industrial computer system that is inexpensive to produce.
2. You Can See It: Because of the electro-luminescent screen that can be seen in direct sunlight
3. It Works: Over 5,000 new forklifts and highway trucks equipped in Y2K.

1) **SmartDisplay™ A new paradigm for the equipment industry consisting of:**

- a) Operator interface: SmartDisplay™ a user-friendly graphical interface to machine and operator.
- b) Enabling firmware: the unique VMC propriety software
- c) The display portion of SmartDisplay™ technology is well developed and in high volume use in the over-the-highway and heavy equipment industry.

2) **SmartDisplay™ Enables you to Control the vehicle systems**

- a) Trouble shooting & diagnostics
- b) Maintenance Scheduling
- c) Fault Reporting
- d) Increase sales of parts and service opportunities
- e) Driver Logs
- f) Lube and Maintenance guide
- g) Safety check for single operators



SmartDisplay™

- 3) **Custom OEM Product Possibilities, Enables the enterprise or a Leasing Company to Monitor:**
 - a) % Load Histograms - How hard vehicle is used or “Abused”
 - b) Fault codes alarms/service problems/ actual real-time read-out of vehicle instrument panel
 - c) Hours idle
 - d) Service interval alerts Provide “Smart Service” to reduce down time
 - e) Lube and maintenance information

- 4) **Benefits to Driver/operator/ owner-operator**
 - a) Reduces paper work, e.g. driver logs, inspection log
 - b) Gives operator better control of his machine

- 5) **SmartDisplay™ other applications**
 - a) Interface to other devices, e.g., printer, PDA, PC, keyboard
 - b) Vehicle location and communication Optional modules
 - c) “Display-less” SmartDisplay™ for increased service management control of equipment
 - d) Trailer data communications

- 6) **DVEeLink A new paradigm for connecting your equipment with the enterprise consisting of:**
 - a) Operator interface: SmartDisplay™ give the operator a graphical interface.
 - b) GPS: gives you location of the vehicle
 - c) Radio: satellite or phone-line communication with driver and vehicle’s “vital signs”
 - d) Enabling firmware: the unique VMC propriety software

- 7) **SmartDisplay™ Design goals**
 - a) Safety, communicating with operator
 - b) Productivity, reduce down and waiting time
 - c) Interfacing equipment manufacture and the, operator.

In short: SmartDisplay™ is your means of connecting Driver, and the Vehicle into a more profitable relationship.

