

MIL-3000™

Hardcoated Mobile Workstation with 15" TFT Screen

"On Land, at Sea or in the Air"

The MIL-3000 is a reliable, and rugged companions when you need computing power in places where other systems cannot go. The MIL-3000 with its large 15" TFT screen, has been carefully designed and constructed to meet an extensive set of electrical and mechanical specifications that lets it perform in virtually any kind of environment.

The MIL-3000 is comprised of 3 major components; Main Console, 15" detachable Display Unit and a detachable Keyboard. The external housing is made of state-of-the-art extruded aluminium with a hard anodized finish to assure both a high-tech design and a very rugged structure.

Main Console

A big advantage of the MIL's Main Console design is that all card interfaces and slots are located at the right side. This allows the system to be positioned and operated in both horizontal- and vertical position while still providing full access to card interface connectors and wiring. The unit, with its 4 large



**Rear of MIL-3000
with back covers removed**

durometer rubber corner bumpers, may be safely positioned on any surfaces. A specially designed cutout mounting rail extends around the chassis. The cut-out rail provides for attachment of external devices and enables secure mounting of the chassis (for example : under a dash board, in a cabinet, in an equipment rack, or on the wall).



15" TFT Display Unit

The detachable Display Unit facilitates a 15" TFT LCD panel for the MIL-3000. The display unit is an all-aluminium structure located at the front of the Main Console and attached to the inner walls.



The Display Unit may be manually positioned by tilting in inside the main chassis or can be disconnected from the main chassis and be mounted on the keyboard



Power Supply & Drive Assembly

The removable power and drive bay assembly consists of an aluminium cover with frame mounted to the lower rear of the main chassis. Removing the assembly gives full access to the system's interior as well as easy access to power supply and drive bays. In between frame and drive(s), shock and vibration absorbing rubber



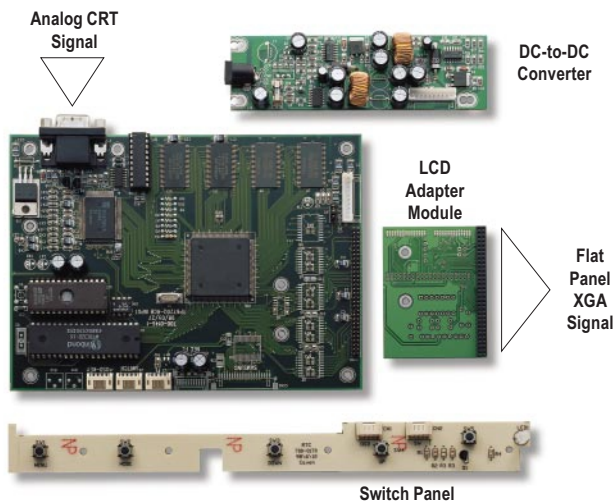
Drive assembly with one slim CDROM drive and two 3 1/2" drives

media is standard installed. The rubber media provides a proven vibration and shock absorbing mounting environment to improve dynamic operating stability of the drive under harsh conditions.

TFT Analog to Digital Converter

Standard included is an XGA A/D converter to convert your analog display signal (from your preferred standard CRT video adapter) to a digital signal to drive the 15" TFT Flat Panel Display.

- XGA A/D Converter Board at 8-bit / color (RGB)
- DC-to-DC Power Converter
- DSD for Flat Panel operation
- LCD Adapter Module
- Applicable for : TFT in VGA, SVGA and XGA mode



Keyboard with Trackball

The detachable keyboard unit is an all-aluminium assembly comprising of 105-keys with alternated standard keys layout. The keyboard is available either with or without integrated rugged trackball device.

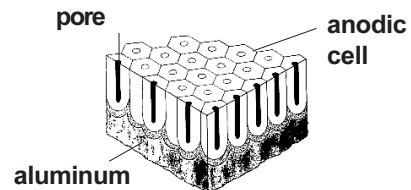


A special feature of the keyboard is that it is designed to be attached to the main console to protect the display when transporting the unit. The stands on the bottom side of the keyboard function in the closed position as locking arms. There is no need for any latches or screws.

Hardcoated Anodized Aluminum Exterior

Hardcoat anodizing (also known as hard anodizing or hardcoating) describes the formation of anodic coatings whose physical characteristics include high wear resistance and hardness.

Hard anodic coatings are used in the aerospace, military, automotive, ordnance, avionics, industrial, and commercial industries where a hard



durable surface is needed to extend material longevity. Applications of hardcoating on parts such as Pistons, cylinders, cams, gears, splines, swivel joints, and hydraulics speak for themselves

The EMI/RF Protection Layer

For EMI shielding requirements, a electrical conductive layer is added (both inside and outside) to the hardcoated aluminum chassis and its parts. This coating provides the chassis with a electrical conductive shield. Its standard resistivity level of 500 ohms/square inch enables the chassis to provide the necessary EMI attenuation to pass FCC and CE requirements.

LVDS for optimal Display Stability

Low Voltage Differential Signalling is normally associated with applications where display and host are connected over distances of up to 10 meters. However its low noise emittance and its virtual noise immunity make LVDS excellently suited to be used there where connection of display and system can be subject to high noise levels. For this reason all our display solutions standard provide for LVDS circuitry resulting in a very stable and clear picture even in the harshest environments.