

ENHANCED FLAT PANEL DISPLAYS
GROUND/AIRBORNE/NAVAL
MILITARY STANDARDS
PANEL PC'S

8.4" TO 32" CONFIGURATIONS
READY TO DEPLOY RUGGED
SOLUTIONS

MIL-STD-461 EMI



Electromagnetic Compatibility Requirements for military and commercial equipment has become customary in modern electronic systems. VarTech Systems has years of various EMC experience and can provide solutions tailored to exact method and procedural testing specifications. VarTech offers a design to meet product set, as well as fully qualified solutions. Contact a technical sales engineer to discuss your requirements.

FULL EMI PACKAGE

- 8 Ohm ITO Overlay and Conductive U Busbar
- Chromated Metal and Tape to assure conductivity of ITO/Busbar and Enclosure
- Enhanced EMI Conductive Gaskets for MIL-STD 461 protection while maintaining seal up to IP67
- DC Front End Input Attenuator Module w/transorbs for MIL-STD 704/1275 and 461
- MIL-DTL 38999 connectors with backshell assembly
- Braiding on LVDS and Touch cables
- Ferrites and Bandpass filters for video inputs

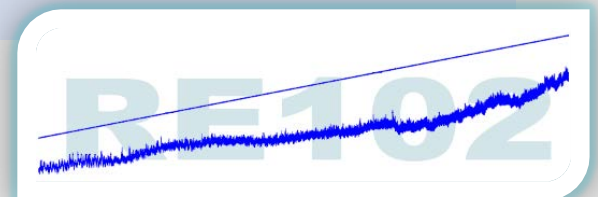
MECHANICAL DESIGNS SUPPORTED

- Panel Mount
- Rack Mount
- Full Sealed VESA/Head Assembly
- Console Mount
- Chassis/Open-frame (no IP protection)

LAB & FIELD TESTED

- Tailored to each unique testing method and procedure
- Radiated Emissions Testing
- Electromagnetic Compatibility Testing

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VarTech Systems Inc., a US Owned small business, specializes in manufacturing of rugged military/commercial off-the-shelf (COTS) flat panel displays and military/industrial computer workstations.

CAPABILITY STATEMENT

Core Competencies

Industrial Applications: Panel, Rack, VESA and Console mount video displays/PCs/Touch Screens for both mobile & fixed location user controls and CCTV camera systems (Analog/Digital)

COTS Displays and Computers: Field-proven commercial off-the-shelf designs for use in:

- ✓ **Military operations:** Resistant to shock, vibration, extreme temperature, humidity & direct sunlight
- ✓ **Marine operations:** Navigation system controls & surveillance monitors with waterproof salt water resistant housings and sunlight readable displays
- ✓ **Avionics:** Sunlight readable, NVG Compatible (NVIS MIL STD 3009) airborne displays/computers with analog and digital inputs

Custom LCD/Computer Solutions: Ability to modify equipment to highly specialized mechanical, electrical (461 EMI) and environmental requirements

Retrofit Solutions: Mechanical and electrical drop in replacement designs considering both user experience and installation process

Repair Services: IC level repairs to total refurbishment of industrial/military grade CRT monitors and LCD flat panel displays inclusive of OEM designs (No Charge Evaluation)

Capability with Flexibility

Big business capabilities with small business flexibility

Our corporate climate combines the attributes of a nimble, responsive and full rounded infrastructure with financial stability and in-house capabilities associated with larger corporations. This yields an agile team that allows ease of communication as well as facilitation of projects from conception to after sale support.

- ✓ 29 Years In Business
- ✓ Debt Free Small Business
- ✓ In House Prototype Design & Production
- ✓ Minor Design Modifications with no NRE fees
- ✓ 45,000 square feet of US Based Production Facilities located in Clemmons, NC
- ✓ Class 1,000 & 10,000 Clean Rooms
- ✓ ISO 9001 Certified
- ✓ International Shipping Supported
- ✓ ITAR Registered
- ✓ Production Runs of Qty 1 to Qty 1000

Company Information

NAICS CODES:

334111: Electronic Computer Manufacturing

334118: Computer Terminal and Other Computer Peripheral Equipment Manufacturing

334419: Other Electronic Component Manufacturing

334519: Other Measuring and Controlling Device Manufacturing

334512: Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use

334513: Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

Fed ID:

84-1104385

DUNS:

840912190

CAGE:

0ZE75

ISO 9001 Certification:

562 588FM

ITAR Registration:

M26167

PAST PERFORMANCE HISTORY

- ✓ **Lockheed Martin-Vitrociset/Contractor:** Joint Strike Force F-35 Ground Support Equipment, Power Cart & Air Conditioning Cart for supplying electricity and air conditioning in a wide range of climatic conditions, Operator Interface Display Panel
- ✓ **Sikorsky/Direct Contract, Buyer/Lancaster – Missile & Fire Division:** General Lab and Aircraft Cabin Testing Equipment, Rugged Panel Mount Monitor with Avionics Bonding for altitudes exceeding 10,000 feet, MIL-STD 3009 & MIL-STD 461E Compliance
- ✓ **US Navy/Prime Contractor:** DRS Power & Control/Power Conversion Module for DDG F1 Class Flight III Air & Missile Defense Radar/ Ruggedized Panel PCs
- ✓ **USAF/Direct Contract/ Upgrade of Avionics Test Benches for F-15/Rack mount Touch screen Displays**
- ✓ **US Army/ Prime Contractor:** Smiths Detection /M8E1 Chemical Biological Protection Shelter CBPS-M8E1/HMI Touch Screens
- ✓ **US Marine Corps/Prime Contractor:** Mercom/AFATDS C2 System - Upgrade of Mobile Tactical Shelter AN/TSQ-272 UFD/Function Button Touch Screen Control Displays