ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *APC SURTA3000XL* at our website: ***Click HERE***

Products

EMI AND FCC HEAVY DUTY ENCLOSURES

The EMI & FCC Heavy Duty product lines come in both vertical racks and sloped front consoles (15 & 30 degree). It is designed with double ledge, double plane corner construction which make it the strongest cabinet in the industry, capable of carrying 3000 pounds of equipment.

Shielded enclosures allow you to meet a wide variety of requirements for EMI/RFI suppression including:

- Mil Spec 285
- TEMPEST
- FCC Part 15
- European VDE

The EMI racks are constructed of 400 Series Stainless Steel, which is galvanically compatible with gasket material. We offer R1, R3, R4 & R5 versions of our racks. R1 racks are shipped ready for user installed gasketing. The gasketing material for R3 racks is beryllium copper spring-finger gasketing; this gasketing does not absorb moisture or support fungus growth, it will not take a compression set over a period of time, it is not affected by air, ozone, ultraviolet and nuclear radiation or solvents and can not flake or break into small conductive pieces that can short out electronics. R4 racks are gasketed with a silver coated nylon gasketing. R5 racks have both beryllium copper gasketing and silver coated nylon gasketing. The R3 and R5 racks can meet most TEMPEST and EMP requirements. Additionally there are two stainless steel studs in the lower rear of frames to assist in grounding. Our R6 product meets and exceeds the NSA 94-106 standard.



The FCC racks are made of 14 gauge steel. Silver braid gaskets are attached to the frame with a conductive, pressure sensitive adhesive. The gasket's foam core offers low closure force. All surfaces of doors, panels and frames that come in contact with EMI gaskets have a metallized corrosion resistive surface. FCC racks provide versatility, reliability and cost efficiency while still meeting FCC, CE Mark or other commercial requirements.

EMI & FCC cabinets feature panel mounting angles made from 3/16" steel, 50% thicker than the average used in the industry. Horizontal support channels are removable because of the extreme strength of the frame. Positive door latching hardware, not magnetic or velcro stripping, is standard.

Click here to view our EMI/RFI Technical Guide.

Accessories

EMI & FCC Heavy Duty racks are designed to be modular and flexible, a wide variety of accessories are available. Here is a small sample:

- Wide variety of Panels and Doors
- Fixed, Sliding and Modem Shelves
- I/O Panels
- Storage and Equipment Drawers
- Caster Bases, Caster Dollies and Trucks
- Fans and Blowers for cooling
- Chassis Guides and Supports
- I/O compartments for panels
- Copper Bus Bars

- Plug Molds

Available Sizes

Standard Panel Heights: 21" to 84", in any 1 3/4" increment

Standard Depths: 17", 24", 29" and 36"

Standard Panel Widths: 19", 24", 30", adapters are available for mounting 23" equipment

Attenuation Levels

FCC/VDE Shielded Cabinets

Equipto FCC/VDE cabinets provide high attenuation at low cost. These cabinets can help ensure your equipment meets FCC/VDE or other EMI requirements for a variety of commercial and industrial applications. Modular construction ensures compatibility with our Heavy Duty and RFI Cabinets. Of course, all the benefits of our Heavy Duty Cabinets, such as 3,000 pound load capacity, make this a very cost effective shielded cabinet. Learn more...

Ka-Shield cabinets

Ka-Shield cabinets provide serious protection for EMI/RFI signal intrusions or leakage with sensitive equipment for RF to the microwave Ka band. With shielding effectiveness of over 75 dB at 40 Ghz, the enclosure provides essential defense against EMP weapons and geomagnetic storms that can 'take out' communication centers, power plants, surveillance systems and more. Learn more ...

R6 - *The highest EMI/RFI protection available!*

In the fields of intelligence and computer security, TEMPEST requirements, specifically NSA 94-106, is amoung the most stringent. The new R6 electronics enclosure, developed by Equipto Electronics' engineers, not only meets but far exceeds the NSA 94-106 standard. The cabinets are custom sized to your requirements. You have options such as front and/or rear doors, panels or a combination of the two; adjustable vertical mounting rails with either punched, threaded or square holes and a wide variety of other accessories. Learn more...

N6 High End Shielded NEMA Cabinets

Equipto's High End Shielded NEMA Cabinets are designed to protext valuable electronics that are deployed in harsh environments. Learn more ...

Options

Shock and Vibration The Heavy Duty Cabinet has been tested to Mil-Std 810D, section 514.3-7,8 and 9, which simulates 20 years of rough service in a mobile application. This cabinet was also tested to Mil-Std 901 which simulates a 10g hammer hit. These test was successfully passed by the Heavy Duty, EMI, and FCC product lines. This option is available by adding a simple hardware kit.

Metals Compatibility

Equipto Electronic uses galvanically compatible material to ensure shielding effectiveness and longevity. To avoid galvanic action between metals that contact each other, refer to the chart below. Each group overlaps, making it possible to use materials from adjacent groups safely.

Group 1: Gold - Platinum - Gold/Platinum Alloys - Rhodium - Graphite - Palladium - Silver - Silver Alloys - Titanium

Group 2: Rhodium - Graphite - Palladium - Silver - Silver Alloys - Titanium -Nickel - Monel - Cobalt - Nickel and Cobalt Alloys - Nickel Copper Alloys - AISI 300 Series Steels - A286 Steel

Group 3: Titanium - Nickel - Monel - Cobalt - Nickel and Cobalt Alloys - Nickel Copper Alloys - Copper - Bronze - Brass - Copper Alloys - Beryllium Copper - Silver Solder - Commercial Yellow Brass and Bronze - Leaded Brass and

Bronze - Naval Brass - 400 Series Stainless Steel - Chromium Plate - Tungsten -Molybdenum

Group 4: Leaded Brass and Bronze - Naval Brass - Steels AISI 431, 440, 410, 416, 420, AM 355, PH hardened § Chromium Plate - Tungsten - Molybdenum - Tin-Indium - Tin Lead Solder - Lead - Aluminum 2000 and 7000 Series - Alloy and Carbon Steel

Group 5: Chromium Plate - Tungsten - Molybdenum - Steel AISI 410, 416, 420, Alloy and Carbon - Tin - Indium - Tin Lead Solder - Lead - Aluminum - All Aluminum Alloys - Cadmium - Zinc - Galvanized Steel - Beryllium - Zinc Base Castings

Group 6: Magnesium - Tin

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP