

Ramsey Shielded Enclosures Assist Investigations Without EMI Interference



Bench Top Enclosures



Forensic Enclosures



Rack Mounted Enclosures

Ramsey Electronics rigid EMI-RFI shielded benchtop enclosures from Saelig are RF-free environments from the world's foremost provider for testing and forensic situations. Ramsey boxes are used for emissions or pre-compliance compliance testing and for forensics examination of electronic devices. They are used for training and R&D in education. Ramseytest products are used in law enforcement, defense, and security applications. Ramsey forensic boxes with their characteristic viewing window and portholes with RF-shielded gloves for manipulation of the device under test can be found in city, state and Federal crime labs including those of the Army, Navy and Air Force. Ramsey boxes and enclosures can be customized with filtered AC power connections and filtered signal I/O pass-throughs for any of the common connector types.

One of the most popular shielded enclosures from Ramsey is the STE3000 series of forensic enclosures, widely used by State & Local Law Enforcement, DOD, DHS & others. The STE3000 range of EMC enclosures was designed to give the forensics technician a bench-top box tool that is critical during device interrogation. Recent improvements to Ramsey RF Test Enclosures include new additional standard features added to most models: an inside liner of 3/4-inch RF-absorbent foam, and dual 60mm or 120mm honeycomb vents, which is important to prevent overheating of the test space. There are now 12 standard-configuration STE3000-series forensic models to make it easier and quicker to purchase combinations of filtered Ethernet and USB2/USB3/USBC ports. Ethernet is required for forensic operators who will be using Graykey, the passcode breaking solution for Apple devices. Because these Faraday boxes almost always require customer-specific options, they are built to order. Ramsey enclosures can be customized with filtered AC power connections and filtered signal I/O pass-throughs for any of the common connector types.

Ramsey boxes are used for emissions or pre-compliance compliance testing, for forensics examination of electronic devices, and for training and R&D in education. Law enforcement, defense, and security applications also require signal-free environments. Ramsey forensic boxes, with their characteristic viewing window and portholes with RF-shielded gloves for manipulation of the device under test, can be found in police and crime labs worldwide. These patented forensic RF-free housings provide investigators with an audio/video time-stamped recorded device examination, to give technicians a highly isolated bench-top environment for performing evidentiary forensic investigations of electronic devices.

Electromagnetic compatibility (EMC) and the related electromagnetic interference (EMI) are obstacles that must be overcome before nearly any electronics product can be brought to market. Products must not interfere with one another (radiated or conducted emissions), and they must be designed to be immune to external impinging energy sources. Agencies around the world impose EMC standards, which place limits on the level of emissions allowed, requiring full compliance testing of products at certified EMC test houses. To avoid test failure scenarios, design teams are developing their own in-house labs with benchtop EMI-quiet environments for conducting EMI troubleshooting and pre-compliance testing.

Manufactured in the USA by Ramsey Electronics, the world's foremost provider of rigid EMI-RFI shielded benchtop enclosures for testing and forensic applications, Ramsey Boxes are available from their authorized North American distributor Saelig Company, Inc. Fairport, NY. For detailed specifications, free technical assistance, or additional information, please contact Saelig at 888-7SAELIG, via email: info@saelig.com, or visit <http://www.saelig.com/category/MFR00154.htm>.