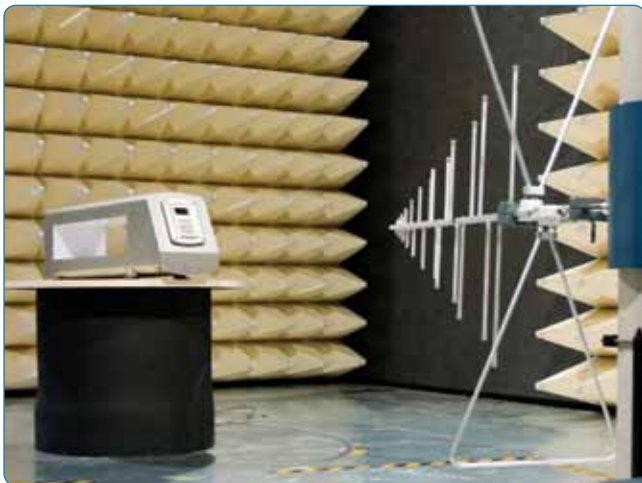


# Why buy a CEIA Metal Detector?



## CEIA is the leader in metal detector technology

CEIA is the world's largest manufacturer of metal detectors, with over 90,000 units installed. CEIA has more than 40 years of experience and holds over 50 patents for its innovations in design and construction.



Anechoic chamber research gives CEIA detectors a high immunity to environmental interference.

## Technology available only from CEIA

CEIA develops unique technology and construction features available from no other manufacturer. Only CEIA offers Multi-Spectrum metal detection technology that eliminates false rejects with no reduction in sensitivity to all metals.



CEIA construction withstands moisture damage – inside and out.



## Extensive applications experience

Food, pharmaceutical, medical, textile, military, security, and industrial inspection: CEIA technology is developed for and shared among many different applications to provide state-of-the-art solutions for every metal detection requirement.

## Metal detectors are CEIA's only business

20% of CEIA's workforce is dedicated to metal detection research and development. Recognized by the European Union for its expertise in electromagnetic compatibility, CEIA is a leading authority on emission and immunity technology for industrial, medical, and scientific applications.



Conformal coated circuit boards resist damage from internal condensation.

## Unique construction improves reliability

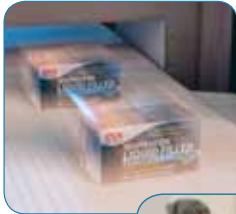
ISO-9001 certified, CEIA uses materials and construction techniques that ensure long-term accuracy and dependability. Circuit boards on all CEIA 21-Series metal detectors are conformal coated to prevent downtime and errors caused by internal condensation. Transmitter heads are equally protected. Proprietary sealing technology on the aperture eliminates moisture penetration even during high-pressure high-temperature wash downs. AISI 316L stainless steel construction meets IP66 and IP69K protection levels.



CEIA employs the most advanced electronic and mechanical fabrication, such as SMT Surface Mount Technology.

### Rigorous quality control

CEIA manufactures its own circuit boards, enclosures, and other metal detector components to assure consistently accurate operation and reliability. The circuit boards are produced using sophisticated Surface Mounting Technology and each board is subjected to a 200 hour burn-in test.



### Military-grade reliability

CEIA detectors have a Mean Time Between Failure rate of 70,000 hours calculated to military standard MIL-HDBK-217FN2 for long term reliability.



### Pharmaceutical standards for food inspection

CEIA 21-Series are the only metal detectors in the food industry that meet FDA Title 21 CFR11 pharmaceutical standards for inspection data security, integrity, and traceability.



### Superior support from Heat and Control

Providing pre-sale demonstrations and post-sale service, parts, and training since 2005, Heat and Control delivers single source support for all CEIA metal detectors. Service centers on both coasts and 45 service employees provide expert rapid-response technical support when and where you need it.

### Same day parts shipments - every day

We stock large parts inventories on both coasts and can ship CEIA parts the same day when you order them on weekdays by 4pm PST, and on weekends and holidays until 5pm PST.

**HEAT AND CONTROL**

www.heatandcontrol.com  
800-227-5980

### Over 60 years of leadership in the food industry

As a leading supplier of food processing and packaging equipment with manufacturing plants worldwide, Heat and Control has the experience and resources to support you in any location and for any product application.

We have grown hand-in-hand with the food industry and offer extensive understanding of all phases of processing, cooking, conveying, packaging, and inspection.

Privately owned and operated since 1950, Heat and Control is the one equipment source you can count on from start to future.