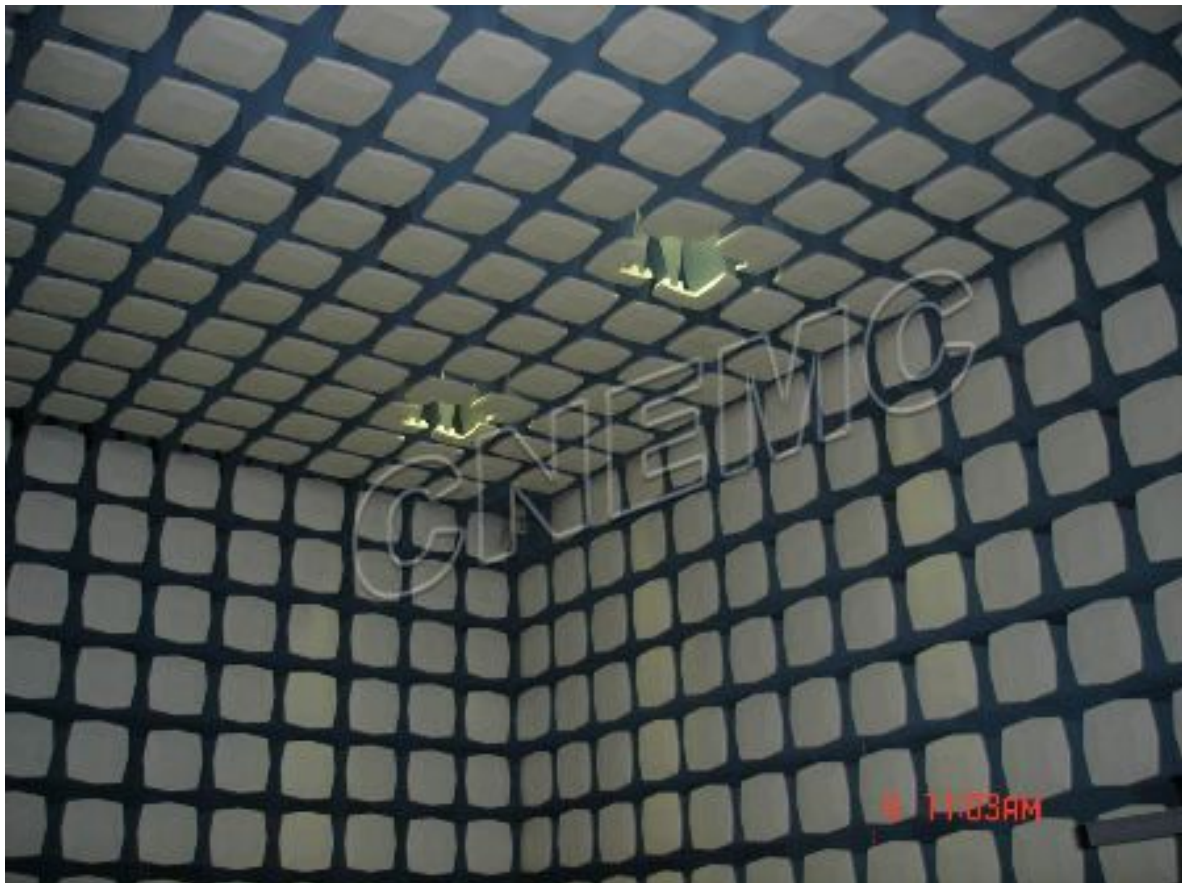


微波暗室

Microwave Dark Room

CNEMC 生产的微波暗室应用广泛：雷达散射截面，近场，卫星和盒型测距等。通常情况下，这些暗室的表面吸波材料均能模拟自由的空间环境。只要稀薄材料在规定的频率能够提供所需的反射损耗，微波暗室可以任意设定大小。

CNEMC manufactures Microwave Chambers for a number of applications including: Radar Cross Section, Near Field, Satellite and Compact Range measurement. Typically, these chambers have all their surfaces lined with anechoic absorber to create a free space environment. Microwave chambers can be almost any size as long as the anechoic absorbers are able to provide the required reflection loss at the required frequency.



优秀的设计

Superior Design

我们的标准微波室吸波材料适合各种产品需要需要。但是，有些特殊应用要求，需要特别定制。CNEMC 擅长于此。与实验性测试方法不同的是，我们的工程技术人员，利用强大的工作站运行先进的数据模拟软件，设计正确的解决方案。然后，制作原型和设计测试。

Capability With a wide range of products, our standard microwave absorbers will fit most needs. However, some applications have special requirements that can only be met with a custom product. That's where CNEMC excels. Instead of "cut-and-try" experimentation, our engineering staff uses powerful work stations running advanced numerical modeling programs to develop the right solution. Next, prototypes are made and the design is tested.



我们还与大学共同合作电磁项目以开发新的吸波技术。CNEMC 开发了多种吸波材料满足不同反射需求。我们可根据您的需求特别设计和制作，以满足您的要求。

We also work with universities having strong electromagnetic programs to develop new absorber technology. CNEMC developed several varieties of curvilinear absorber for defense related applications. Not everyone needs a custom solution, but if you do, we have the in-house resources to satisfy your requirements

我们的计算机控制整个聚氨酯泡沫塑料块生产过程。其浸渍与烤干都由专业的损耗解决方案代理商完成。吸波材料不会释放碳粒子污染暗室内精密的电子设备。事实上，我们的吸波材料可满足净室环境 100,000 级需要。泡沫塑料浸渍后，由电脑控制，用公差在 ± 3 毫米左右的锯制成型。消除其收缩和扭曲部位后，最终成型。其优点在于，吸波材料的安装采用统一的几何路线，减少散射，以提高测量精度。

Our computer controlled manufacturing process begins with homogeneous blocks of polyurethane foam. The blocks are impregnated with proprietary solution of lossy agents and dried in large ovens. The benefit is an absorber that does not release carbon particles which can contaminate delicate electronic equipment in the chamber. In fact, our absorbers can be used in clean room environments requiring a Class 100,000 rating. After impregnation, the foam is shaped using computer-controlled saws maintaining tolerances of ± 3 mm (.25 in). Cutting the dried foam into its final shape after the impregnation process avoids shrinkage and warping. The benefit is absorbers that install with uniform geometric alignment, reducing back scattering, and improving measurement accuracy.

测试

Testing

100%微波室吸波材料反射性能测试。自动化测试程序。测试数据以电子和印刷两种格式存档，以便于检索和分析。可燃性。

100% of our microwave absorbers are tested for reflectivity performance. The test procedures are automated and test data is archived electronically and in hardcopy format, for immediate or future retrieval and analysis. Flammability.



严格的质量监控关

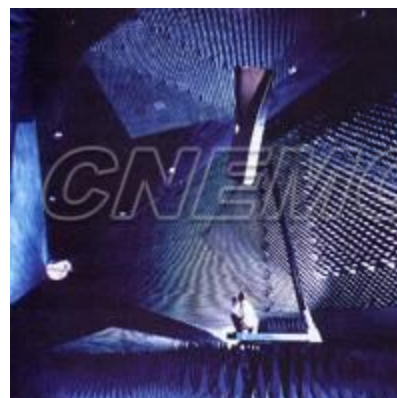
Strict Quality Control

CNEMC 所有微波室吸波产品的制造均按照既定的质量监控和保证标准。可追踪监控每块吸波材料的整个生产过程。从固体测试结果、耐燃性测试结果、极限氧指数测试结果、验收检验结果、到最后的检验测试结果等整个浸泡过程，均有日志记载。

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All CNEMC microwave absorber products are manufactured in accordance with established quality control and assurance standards. Each piece of absorber is serialized, providing traceability throughout the manufacturing process. Logbooks are also maintained for the impregnation process, solids test results, fire test results, Limiting Oxygen Index (LOI) test results, receiving inspection test results, and final inspection test results.

免费服务 Commitment to Service



无论您需要的只是几块吸波材料还是整个微波暗室，我们有经验和资源来帮助你，为您提供最优的解决方案。可通过电话、传真、电子邮件、互联网、或者通过我们网络：www.cnemc.net，联系我们，觅求合作。

Whether you need just a few pieces of absorber or a complete turnkey chamber, we have the experience and resources to help you with the right solution. We can be reached by phone, fax, e-mail, the Internet, or through our worldwide network of independent CNEMC representatives.