



Defense Electronic Systems

*Flat Plate
Slotted Waveguide
Array Antennas*



CONTINENTAL DIVISION

Complete
Integrated Antenna
Solutions for

Commercial & Military Arrays



Design:

- Electromagnetic modeling
- Mechanical CAD
- Model shop
- Experienced engineering staff

Manufacturing:

- Large capacity dip braze
- CNC machines with laser tool detection and vacuum-held fixturing

Antenna Solutions

The Continental Division of Cobham Defense Electronic Systems (CDES), a leading supplier of complex waveguide assemblies since 1977, has been manufacturing flat plate / slotted waveguide array antennas since the acquisition of Litton Airtron's microwave products group in 2001. Litton Airtron began manufacturing antennas in 1960 and quickly became the recognized leader in the design and development of commercial and military arrays. The legacy of these two industry leaders have combined to offer customers integrated antenna solutions.

Products/Markets

Sophisticated airborne and ground-based radar systems utilize lightweight arrays of radiating slots to provide high performance antennas for commercial and military applications: weather radar, search and surveillance, space systems, synthetic aperture array, and tracking and fire control.

Manufacturing/Testing Capabilities

CDES Continental Division incorporates the latest technologies in the areas of computer design, engineering, manufacturing and testing in order to produce the finest quality flat plate antennas available. In-house manufacturing capabilities feature CNC machining, dip brazing, heat treating, plating, and metal finishing. Test facilities include compact and near field antenna test ranges, anechoic and environmental test chambers. Extensive test capability, coupled with years of design and manufacturing experience uniquely qualify Continental for the most demanding antenna applications at the most competitive prices.

Weather Radar

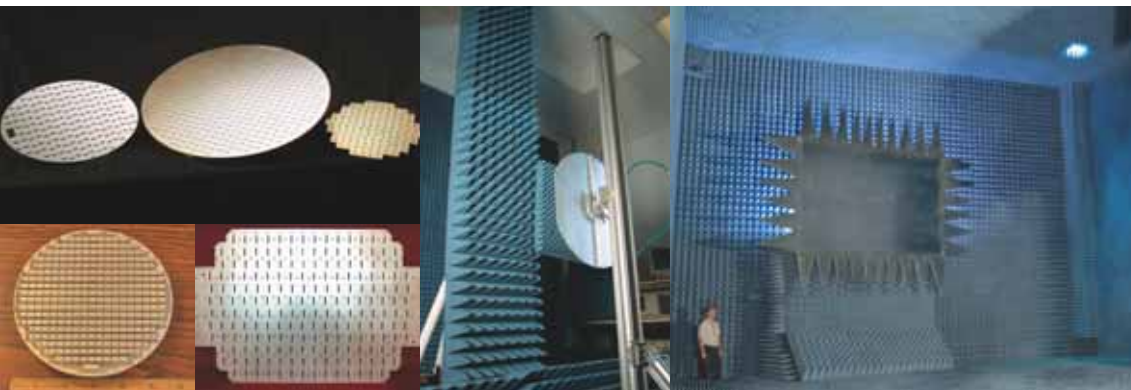
Search and Surveillance

Space Systems

Synthetic Aperture Array

Tracking

Fire Control



Key Features:

- Precise radiation pattern control
- High efficiency
- Broad bandwidth
- Linear or circular polarization

Test Capabilities:

- 1 – 50 GHz
- Near field & compact test ranges
- Radiation patterns & gain
- Five (5) anechoic chambers

*Get more information today.
Call or visit us on the web:*

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*Cobham Defense Electronic Systems –
Continental Division
is ISO9001 and AS9100 certified.*

