

DAYTON-GRANGER, INC.

Dayton-Granger, Inc. (DG) is located in South Florida. Established in 1943, DG designs, tests, manufactures, and sells over 750 proprietary products including standard and customized antennas, electrostatic protection, lightning protection, electrostatic test equipment and services, and other related products. DG has established a reputation for meeting and exceeding exacting government and commercial industrial standards through many years supplying our avionic equipment as standard equipment for many aircraft programs (military, commercial, and general aviation).

FACILITIES

DG headquarters is located in a 105,000 square foot (9,755 m2) facility on 19.5 acres (7.89 hectares) adjacent to the Ft. Lauderdale International Airport in South Florida. The facility contains manufacturing, engineering, purchasing, and shipping departments. The facility also houses two antenna ranges, two anechoic chambers, and is capable of supporting full-scale mock-up testing of rotary and fixed wing aircraft sections. Some of DG's state-of-the-art facilities include:

- Composite manufacturing area
- Climate controlled bonding room
- CNC machining & turning centers
- 18 foot autoclave, heat treat & vacuum ovens
- Mechanical assembly areas
- ESD clean electronic assembly area
- Engineering prototypes shop
- FAA authorized repair facility

To ensure the reliability of our products and materials, DG has a complete antenna lab, electrostatic test lab, and lightning simulation lab for testing radomes, antennas and other DG products for electrostatic interference.

Using our own specially manufactured electrostatic test equipment, DG performs electrostatic aircraft evaluations (P-stat test) to identify sources of environmentally produced electrostatic noise interference and then provides time-proven, experienced solutions.

EXPERIENCE

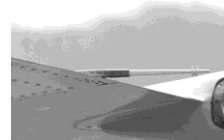
As witnessed in our decades of business, proven reliability and quality in our products is our strong suit and the key to DG's successful longevity as a reliable manufacturer who stands behind their products. DG ranks among the most experienced suppliers of avionics products worldwide. Customers can be assured that DG products meet all specified performance and durability requirements, delivered on time. At DG, we promise to provide you with consistent quality, reliability, and performance.



Office in Ft. Lauderdale, FL



ELT Whip
Antenna



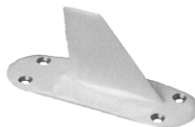
Null Field Static
Dischargers



VHF Conformal
Antenna



VHF10-829
VHF COMM
Antenna



L10-611-



A Trusted Name in Avionics

CORE AVIONIC PRODUCTS:

- Antennas
- Electrostatic Protection
- Lightning Protection



ESTABLISHED 1943

**ISO9001:2000
AS9100C**

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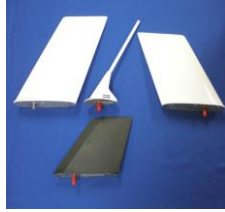
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Antennas DG

DG's proprietary airborne antennas include many custom and modified designs for particular aircraft programs as well as off-the-shelf antennas for standard applications. As antenna experts, we specialize in a variety of antennas including:

- **Conformal and Flush Mounted**
- **Blade**
- **Low Profile**
- **Whips**
- **Fixed Wire Systems**
- **Custom Designed**



DG Antennas

Since the 1940s, DG antennas have been installed on military aircraft (transports, fighters, and helicopters), commercial transport, regional jets, business jets, turbo props and high-end GA. DG's conformal antenna designs are at the forefront in technical performance and acceptance. Our expertise in such unique antennas systems paves the way for aerodynamically clean aircraft.

Our antennas span a wide range of frequencies to meet the growing demands of the aviation industry. DG's antennas can be adapted to form-fit-function for any application, however difficult.

DG's quality products are certified to many TSO, PMA, STC and military specifications and DG houses an authorized FAA repair facility.

Electrostatic Protection DG

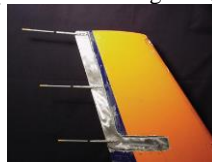
DG has been manufacturing electrostatic protection products longer than any other company and has the widest selection offered to suit any individual specification. DG is the primary supplier and world leader of quality static dischargers.

DG's dischargers run the gamut from the original 1940s DG patented "wicks" used on such vintage aircraft as the DC-3, to the Null Field Ortho- Decoupled Discharger developed in conjunction with Stanford Research Institute (Palo Alto, CA). DG also designs and manufactures unique Micropoint Dischargers, Carbonpoint Dischargers, and our newly developed Composite Dischargers.

- **Superior Noise Quieting Capabilities.** DG dischargers provide a controlled path to bleed off accumulated charge and attenuate the resultant broadband radio frequency noise.
- **Long Service Life.** DG dischargers maintain their original excellent noise quieting characteristics throughout the discharger life.
- **Wide Range of Speed Requirements.** DG dischargers are designed for all types of aircraft traveling at a wide range of speeds.
- **Proven Effectiveness.** DG dischargers are a proven device for optimum noise quieting at all frequencies.
- **Aerodynamic Performance.** DG dischargers are aerodynamically designed to lessen drag.
- **Temperature Stability.**

Our superior DG Null Field Dischargers dissipate static electric charge interference in three ways:

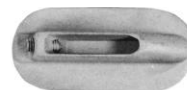
1. Dischargers reduce the voltage level required to initiate corona discharge (intensity reduction).
2. Dischargers provide a path for electrostatic discharge to take place at right angles to antenna fields (orthogonal coupling).
3. Dischargers provide regions of practically zero RF field strength (null field) causing the discharge to take place in these regions (reciprocal field decoupling).



Winglet Lightning P-Static Protection Kit



Static Dischargers



Tip Retainer

Lightning Protection DG

In order to protect sensitive aircraft components from damage due to lightning strikes, DG designs and manufactures numerous, proven state-of-the-art lightning protection products:

Lightning Diverter Segmented Strips

The segmented strips provide multiple heavy strike protection and are RF transparent. Their lower breakdown voltage means superior lightning protection and less likelihood of lightning damage. The strips bond with epoxy to the outside surface of the radome, or antenna. The strips can be easily repaired in comparison to repairing a damaged radome.

Strikeguard Lightning Diverter Tape

The diverter tape is a flexible substrate with strong adhesive backing designed for low speed aircraft. Strikeguard diverts streamers and strikes to appropriate position on aircraft and can withstand multiple strikes. It is similar to the segmented strips but is easier to install.

HF Lightning Arresters

The HF lightning arrester is designed to provide the most reliable protection available. The arrester is more suitable for attaching high voltage cables.

Adjustable Spark Gap Lightning Arrester

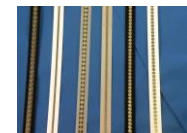
The spark gap is designed as a protection device to shunt lightning currents to ground, thus preventing high voltages and currents from damaging radio equipment. The spark gap is adjustable for a range of breakdown voltages.

Lightning Protection Kits

The kit provides lightning protection and p-static dissipation to the winglet and the end cap. The kits improve the overall lightning protection for the aircraft and minimize the cost of downtime repairs.



Transtrike Strips on Radome



Transtrike Strips



Unique Conformal Antennas



VOR NAV System