

## Company Profile



## A BROAD RANGE OF PRODUCTS AND SERVICES

*Astron's unique, proprietary technology and extensive experience has led to the development of a comprehensive array of RF communication antennas and services in frequencies from 1 MHz to 95 GHz.*

### Wide Market Appeal

#### ENTERPRISE RF

**Core Applications** - Analog, digital, Macro, Micro, and Pico-cell hubs/subscriber devices/PDAs, with market applications to include Two-Way Radio, Wireless Local Loops, PCS/PCN, Robotics, RFID/RFDC, Telemetry, Wi-Fi, Broadband/Wi-Max, WISP, Cellular, LAN/WAN(Spread Spectrum) and GPS.

**Services** - Astron provides RF design through product manufacturing, prototype development, software modeling and testing (free space and chamber).

#### DEFENSE

**Core Applications** - Astron researches and develops products focusing on SATCOM, ECM, SIGINT and all C4ISR communications in HF, VHF, UHF, and millimeter wave frequency ranges. In addition, Astron specializes in miniaturized direction-finding systems featuring our HESATM (patent pending) technology for mobile, ship-board, submarine and airborne applications.

**Services** - Astron provides RF design through product manufacturing, prototype development, software modeling and testing (free space and chamber).

### Organic Test Facilities

In addition to technology and experience, Astron maintains an antenna range located close to the Washington, DC area. The antenna test range has been utilized for a broad spectrum of activities, including research and development of new and innovative designs for the commercial wireless communications market and the Department of Defense.

### Application Oriented

By specializing in solving RF communication problems for companies that lack organic RF antenna capabilities and experience, Astron acknowledges that antennas are the gateway to the wireless superhighway and the ultimate key to effective system operation. Furthermore, due to size and corporate structure, Astron can meet the specifications of system integrators who need either minimal or large volume production.

### Unique Technology

Astron is uniquely positioned in the market as a result of investing more than \$15 million during the last 28 years developing antenna and RF component technology ideally suited for enterprise and defense applications.

Specifically, these proprietary technologies, including the dielectric/ferrite loading of antennas, have been applied to conventional antenna design techniques to produce miniaturized products with performance equal to their larger counterparts. Astron utilizes the state-of-the-art ANSOFT HFSS antenna modeling software to help achieve optimum design parameters for quick responses to customer requirements.

Astron has established itself as a recognized developer and manufacturer in the cellular, personal communications, RF identification device, wireless local area network, and military communications arenas by providing products and services at competitive prices that are generally not available within the industry. With over 350 standard commercial antenna products, Astron can provide customized solutions that can be modified at minimum cost to fit each customer's specific needs.

### Integrated Barcode Technology

In 2007, Astron acquired Integrated Barcode Technology (IBT), a 16-year-old barcode and RFID systems integrator. In addition to providing turnkey hardware and software solutions, IBT also provides barcode label design services for manufacturing, distribution, health care and many other industry applications.

Software development is the key to proper application implementation in both batch portables and databases. At IBT, there is a core team of programmers and system analysts who design to existing specifications.

Additionally, IBT offers full on-site or depot service on most barcode hardware. To further support our total solutions approach, IBT offers a full line of printer, scanner, reader accessories and supplies. For more information, visit [www.integratedbarcode.com](http://www.integratedbarcode.com).

**ASTRON WIRELESS TECHNOLOGIES, INC.**  
**A 28 Year History of Meeting your RF Communications Needs**

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