

# Jyoti Electronics



32, Capital Commercial Centre,  
Ashram Road, Ahmedabad-09  
Gujarat, India.

TeleFax:- +91 79 26577717/ 27

Mobile No.:- +91 97270 11222/94265 11222

**Email:** [jyoti@jyotimicrosystems.com](mailto:jyoti@jyotimicrosystems.com), [rajenagarwal@hotmail.com](mailto:rajenagarwal@hotmail.com),

**Website:** [www.jyotimicrosystems.com](http://www.jyotimicrosystems.com)

## Simulation Software

### 1. **CST:** - Computer Simulation Technology®

This is a full wave 3D EM Simulation tool with the following modules:

- a. **CST MICROWAVE STUDIO® (CST MWS):** the leading edge tool for the fast and accurate simulation of high frequency devices. Application areas include Microwaves & RF, EDA/Electronics, and EMC/EMI.
- b. **CST EM STUDIO® (CST EMS):** for the design & analysis of static and low frequency EM applications such as motors, sensors, actuators, transformers, and shielding effects.
- c. **CST PARTICLE STUDIO® (CST PS):** a highly specialized product for the fully consistent simulation of free moving charged particles. Applications include electron guns, cathode ray tubes, magnetrons and wake fields.
- d. **CST CABLE STUDIO™ (CST CS):** for signal integrity and EMC/EMI analysis of cable harnesses.
- e. **CST PCB STUDIO™ (CST PCBS):** for the simulation of Signal and power integrity and EMC/EMI on printed circuit boards.
- f. **CST MPHYSICS STUDIO™ (CST MPS):** for thermal and mechanical stress analysis.
- g. **CST DESIGN STUDIO™ (CST DS):** a versatile tool that facilitates 3D EM/circuit co-simulation and synthesis from CST, Germany  
<http://www.cst.com/>

### 2. **uwave Wizard Mician:**

This is an excellent software used for fast and accurate design and optimization of waveguide and antenna Components of regular shape. This is based on Mode matching technique and results in fast and accurate simulation. Users have reported the complex filters are realized without any tuning by using this software. This is from Mician Germany.

<http://www.mician.com/>

### 3. **Satsoft:**

Satellite antenna design and system engineering software for GEO, LEO MEO satellite systems designing.

<http://www.satsoft.com/>

## Navigation Hardware & Software

### **IfEN GmbH:**

RF NAVIGATION CONSTELLATION SIMULATOR, GPS/GALILEO NAVIGATION SOFTWARE RECEIVER, GPS/GALILEO RECEIVER PROFESSIONAL SERIES for GPS, Galileo, GLONAS, QZSS, SBAS & IRNSS systems.

<http://www.ifen.com>

Jyoti Electronics | [jyoti@jyotimicrosystems.com](mailto:jyoti@jyotimicrosystems.com)

TeleFax:-079-26577717/27

M-094265 11222/097270 11222

32, Capital Commercial Center,

Near Nehru Bridge,

Ahmedabad-380009, Gujarat, India

**GPS Source:**

Manufacturer of GPS Splitter, GPS repeater-Standard, Military, Aircraft, Ground, Filtered, GPS Signal Amplifier-Standard, LNAs, GPS antennas, GPS attenuators, GPS Filters, GPS Military products, GPS Accessories related to increasing GPS repeatability.

**RF & MW components Hardware****1. High Power RF Components:**

Waveguide Components Filter-Standard Filters for Ka-band earth station, Customized components for 1 to 40 GHz, Customized Duplexer and multiplexers, Switching and Combining Systems, etc.  
Cylindrical Type Dielectric Resonators, Microwave Dielectric Ceramics, Multilayer Ceramic Capacitors, Fine ceramic/ semiconductor/ opto Electronics component.

**2. Wide Band Telemetry systems Airborne & Ground RF sub systems:**

Telemetry systems including transmitter, receiver, phase control, etc.

**3. All type of Industrial tools:**

Spanner, wrench , Screwdrivers, Torque Screwdrivers, Reversible blade systems, Hex keys, Bits, Pliers, Soft face Hammer, VDE tools, ESD Tools etc.

**4. Microwave Tuning Element:**

High Q Trimmer Capacitor, Air plate Trimmer, Sapphire Trimmers, Air tubular trimmer, MIL spec microwave tuning elements and varactor diodes.

<http://www.tronser.com>; <http://www.spraguegoodman.com>

**5. All types of Antennas:**

All type communication antennas, Earth station antenna, Receivers antenna, log periodic antenna, horn antenna, wideband antenna, yagi-uda antenna, broadside/ end-fire antennas and antenna systems.

**6. Special Hermetic Products:**

Capacitors, Connectors, Feed-throughs, Fixtures, Ground Pin, Headers, etc.

**7. Microwave Waveguide Components & Subsystems:**

0.01–50GHz. Detector, Limiters, Comb generators, PIN Switches, MIC Subassemblies, Multipliers, Transceiver, and Ferrite Isolators, etc.

Amplifier, Isolators, Attenuators, Combiner & Divider, Coupler, Duplexer, Triplexes, Filter, SAW Device, VCO, VCXO, TCXO, PLL Synthesizer, RF Switch, UP/Down - Converter Module, Termination & Dummy Load, Fiber Optic Transceiver, Repeater, Low Noise Block Converter, etc.

**8. RF connectors and accessories:**

Broad line of connector accessories, conduit assemblies, and accessory banding systems for aerospace, military, marine, railroad, industrial automation, and other high-performance markets.

Full range of casting services ranging from precision carburetor components to Mil Spec aircraft parts.

Complete plating and finishing services ranging from commercial to Mil Spec requirements.

<http://www.electro-adapter.com>

**9. EMI Shielding Product:**

Gaskets, Cable Shielding, Faraday Cages & Tents, Honeycomb Vent Panels, Finger strips, Shielded Windows / LCD, Flat-shield and all related EMC/EMI shielding products.

**10. Radio Frequency, EMC Product & ceramics:**

Jyoti Electronics | [jyoti@jyotimicrosystems.com](mailto:jyoti@jyotimicrosystems.com)

TeleFax:-079-26577717/27

M-094265 11222/097270 11222

32, Capital Commercial Center,

Near Nehru Bridge,

Ahmedabad-380009, Gujarat, India

MMIC power amplifier, Discrete GaAs power FET, Passive components, Amplifier modules, RF/HiFET transistors and custom design of Hybrid modules and MMICs.

<http://www.amcomusa.com>

11. **Multipurpose Microwave Devices & Modules:**

Radio Modules, Fiber Optic Transceiver, UP/Down-Converter Module, Retransmission Products, RF Switch Matrix, Attenuation Multipliers, Transceiver.

12. **RF Magnetron Sputtering System:**

Plasma System, Thin Film Deposition, Etching Systems & Nanotechnology.

13. **RF Absorbers:**

Pyramidal absorbers, Hybrid absorbers, Anechoic Material, Narrow band/broadband absorbers, EMI material, Absorber accessories.

[www.microsorbtech.com](http://www.microsorbtech.com)

Jyoti Electronics

Jyoti Electronics

Jyoti Electronics | [jyoti@jyotimicrosystems.cc](mailto:jyoti@jyotimicrosystems.cc)

TeleFax:-079-26577717/27

M-094265 11222/097270 11222

32, Capital Commercial Center,

Near Nehru Bridge,

Ahmedabad-380009, Gujarat, India

