The logo for ETM, featuring the letters 'ETM' in a bold, white, sans-serif font. The letter 'M' is stylized with a long horizontal line extending to the right, ending in a rounded tip. The logo is set against a dark blue background with a vertical blue bar on the left side.

ETM

Who is ETM?

Corporate Mission

ETM designs and builds power supplies and systems for microwave tubes. We provide reliable, high-performance products backed by outstanding customer service and support.



Technical Expertise

- **Delicate Interface of Microwave Device with Power Supply and RF Chain.**
- **Linear and Switch-mode High Voltage Power Supply Technology**
- **Robust, High Accuracy, Microprocessor based Monitoring and Control Systems.**
- **Mechanical Design: Packaging, Cooling, Waveguide layout.**

Business Model

- **Build custom systems from our own proven COTS modules to provide economical, minimum lead time solutions.**
- **Keep management and control systems flexible to respond to changing customer requirements.**
- **Satisfy and stay close to customers in order to build long-term relationships.**

Management Structure

Program Management

- **Program Managers cross organizational lines - from Marketing to Final Installation and Field Service.**
- **Program Management System ensures all customer requirements are met, and met on schedule.**

Financial Statistics

- **Privately-held California C-corporation founded in 1973.**
- **Sales for FY ended June '00 - \$21.4 million. 20% avg. cumulative growth per year over last 5 years.**
- **Roughly 50% government direct or sub-contract.**

Manpower

95 Total Employees

22 Engineering

- 3 Senior Engineers
- 2 Program Managers
- 6 Project Engineers
- 5 Module Design Engr.
- 3 Firmware Engineers
- 3 Design/Documents
- 14 Marketing and Admin.

54 Manufacturing

- 2 Supervisors
- 7 Machinists
- 5 Materials
- 12 Electro-Mech. Assy
- 18 Sub-Assembly
- 10 Test
- 5 Quality

Facilities

56,000 ft² ETM-Owned Facility

- 12,000 sq-ft engineering and administrative.
- 27,000 sq-ft inventory and manufacturing.
- 5,000 sq-ft immediate expansion/storage.
- 12,000 sq-ft long-term expansion (sublet).



Microwave Tube Test Stations



- Hundreds of Units Fielded
- Every Domestic TWT House and Dept. of Defense
- International Customers Include: Italy, Israel, Germany, Japan, Sweden, Denmark, Netherlands
- Basic to Automated Turn-Key

ETN

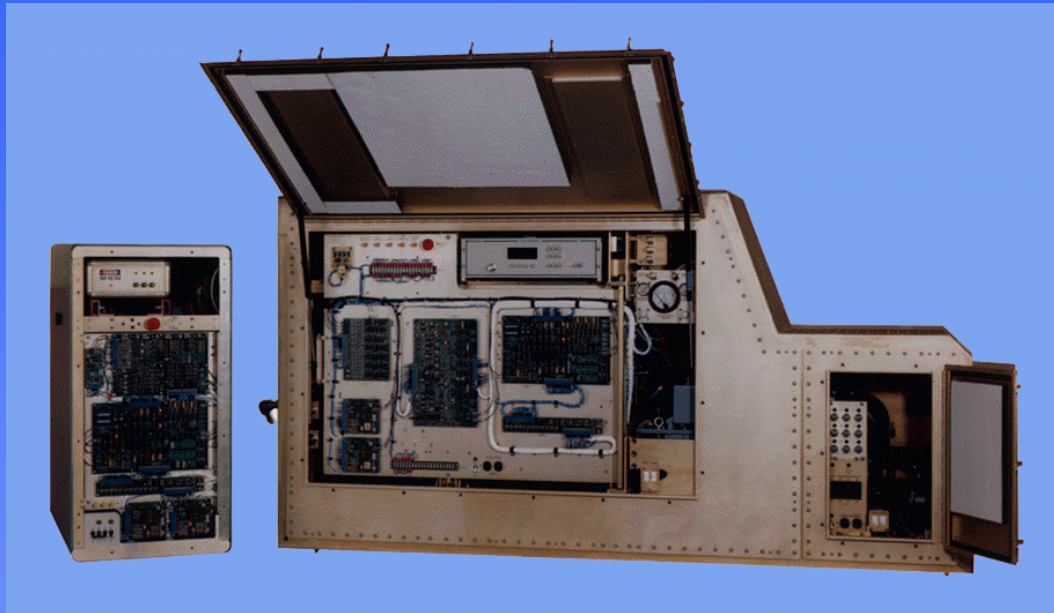
Laboratory High Power Amps



Model
HPA130S

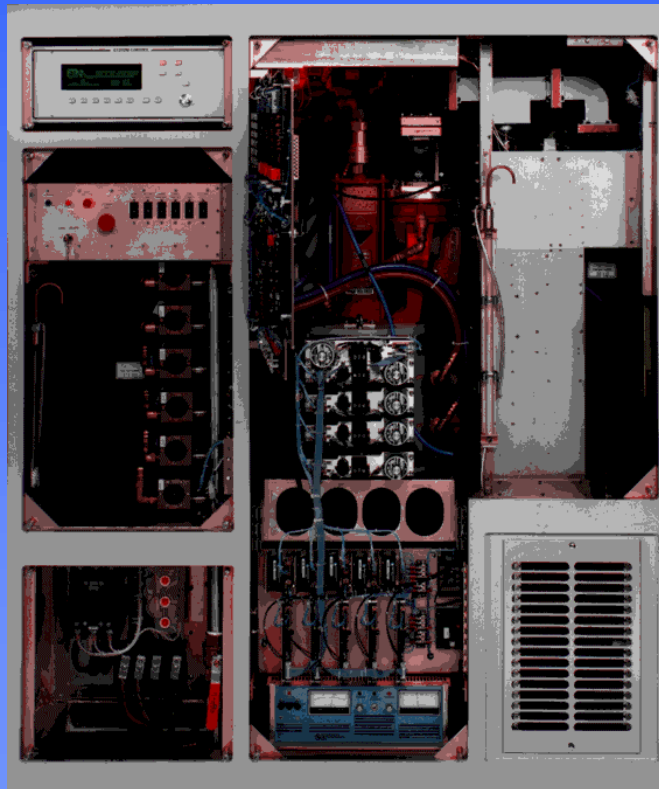
- Built for any TWT, CFA, Klystron or Magnetron
- Custom System from Standard Modules

Ruggedized High Power Amps



- Custom Package for Specific Applications
- Best Commercial Practice to Keep Costs Low
- Low Ripple/Low Phase Noise
- For Proof-of-Concept or Threat Simulation

COTS Amplifiers for Systems

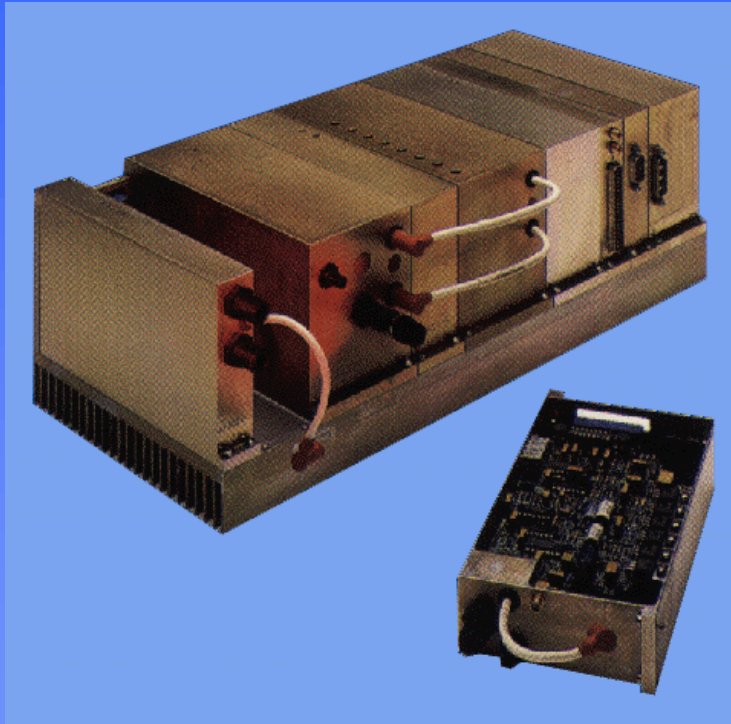


- Modified COTS from Standard Modules
- Customer-Specific Package
- Reduced Costs
- Delivered in 12 Months

Model 8000S

ETN

Switch-Mode TWT Power Supply



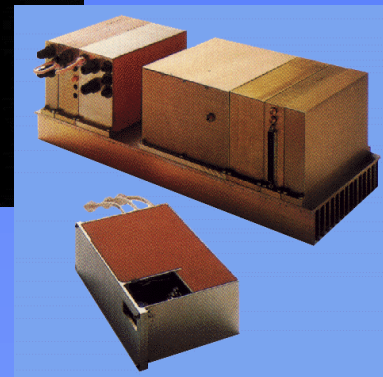
- 2,000 and 3,300 Watt Models
- “Slice-of-Bread” Modular Design
- Potted High Voltage Sections
- Mix/Match for Various TWTs

ETN

Satellite Uplink Amplifiers



- 400 Watt C, Ku, C/Ku, Triband, DBS, X
- Ruggedized for Flyaways
- Universal Input Voltage (PF>.9)
- >400 Fielded, Production 15-20/Mo.



ETM