

Advanced Programs, Inc.



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Advanced Programs, Inc. is the world's leading provider of shielded IT equipment that meets both U.S. and NATO TEMPEST standards

SERVING THE UNITED STATES & ALL NATO COUNTRIES



Technical Specifications are subject to change without notice



- CUSTOMERS**  
U.S. Intelligence Community | Unified U.S. Military Commands  
U.K. Intelligence Community | Canada, Australia, New Zealand  
European | NATO member countries and Prime Contractors
- QUALITY ASSURANCE**  
ISO 9001:2015 | Incoming Inspections | In-Process Inspections | Final Testing
- TEST CAPABILITY**  
TEMPEST EMI/EMC | Thermal | Shock Vibration | Functional

## TEMPEST

For over 25 years API has been endorsed by NSA to design, build, test and deliver TEMPEST equipment. API offers emanation secure versions of leading edge business class computing devices from major industry manufacturers. API's products are used by more than a dozen governments and deployed in over 100 countries worldwide for mission critical requirements.

## PRODUCTS

API offers a full spectrum of TEMPEST and Zone products. TEMPEST and Zone products are commercial products designed and modified to meet rigorous U.S. government NSTISSAM Level I and NATO (SDIP 27-LEVEL A and B) specifications for minimizing electro-magnetic emissions, providing protection from unauthorized access to sensitive and classified electronic information. Through our long-standing partnerships with trusted OEM partners such as Cisco, HP, Sharp, NEC, Panasonic and Intel, the company offers a wide array of proven products that provide a complete and secure end-to-end solution. API selects commercial products that are recognized for their high reliability.

API offers emanation secure versions of current Business-Class computing devices:

- Switching, Routing, Enterprise Servers
- Desktop: Workstations, Thin Clients, LCD Displays, All-in-One solutions, Accessories
- Advanced Technologies: TSG IP Phones and Video Conferencing Units
- Printing and Imaging: Printers, Copiers, Scanners, Multi-function Devices

## PROGRAM MANAGEMENT

Our extensive program management experience, formal status reporting and prompt issue identification and resolution allow customers to confidently off-load portions of their program to API.

- Strict Configuration Management: "Lockdown" of TEMPEST-critical components ensures product consistency and eliminates the cost/delays of retesting.
- Maintenance and Repair: Training certifies government personnel and their contractors. Ensures that equipment is deployed and saves cost/downtime.
- Customized asset-management activities for customers: Including barcoding, asset tagging, electronic inventory reports at time of shipping, and special packaging to reduce shipping costs.

## ENGINEERING AND SYSTEM DESIGN SERVICES

API applies innovative packaging techniques to optimize system designs for weight, size, and power. With decades of experience, our designs are highly integrated with considerations and features to ease the level of effort for deployment and maintenance.

The company also specializes in systems that are often deployed into harsh and challenging environmental conditions. The ability to meet these stringent environmental specifications as well as challenging EMI requirements is what places API ahead of its competition.

This methodology has been applied to a wide array of requirements, including:

- Embedded systems
- Rugged equipment
- Shock, vibration, thermal, etc.
- TEMPEST and EMI
- Rapid prototyping
- Scalability, configurability

## ASSEMBLY AND MANUFACTURING

API offers complete ISO9001:2008 certified production services. From prototypes to full production runs, API provides pre-production support, configuration management, and full life-cycle support for both in-house and customer provided designs. API is currently providing production and life-cycle support to many programs that are up to 10 years in service. This allows our customers to focus their valuable resources on critical new programs. API has a long history of delivering quality system products that include effective configuration management, ease of maintenance features and life cycle support.

Care is taken to formalize scalable assembly process for high quality and repeatability over the life of program. This allows API to quickly react to changes in the mission of our customers such as surge requirements and new feature sets.

Production is performed in our Columbia, MD and New England facilities with 117,000+ square feet of manufacturing and development space.

## TESTING

The API test team strives for "get it right the first time" program performance. A comprehensive testing strategy conducts incoming component inspections, work-in-progress inspection, and thorough verification and validation for prototypes as well as statistically appropriate level of production sampling. Types of testing include functional, stress, thermal, TEMPEST, and EMI.

## LIFE CYCLE SUPPORT

For over 30 years API has excelled at programs responsible for field-site deployments for military and intelligence community missions. This support includes configuration management, documentation, training, installation, depot repair, maintenance, support and issue tracking. API carefully selects components that will provide an extended program life.

*API's unique capabilities, broad product line, consistently high quality and outstanding performance have made us the U.S. government's most trusted TEMPEST supplier*

your information assurance partner

