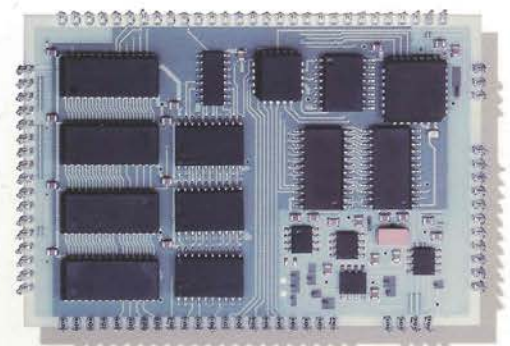
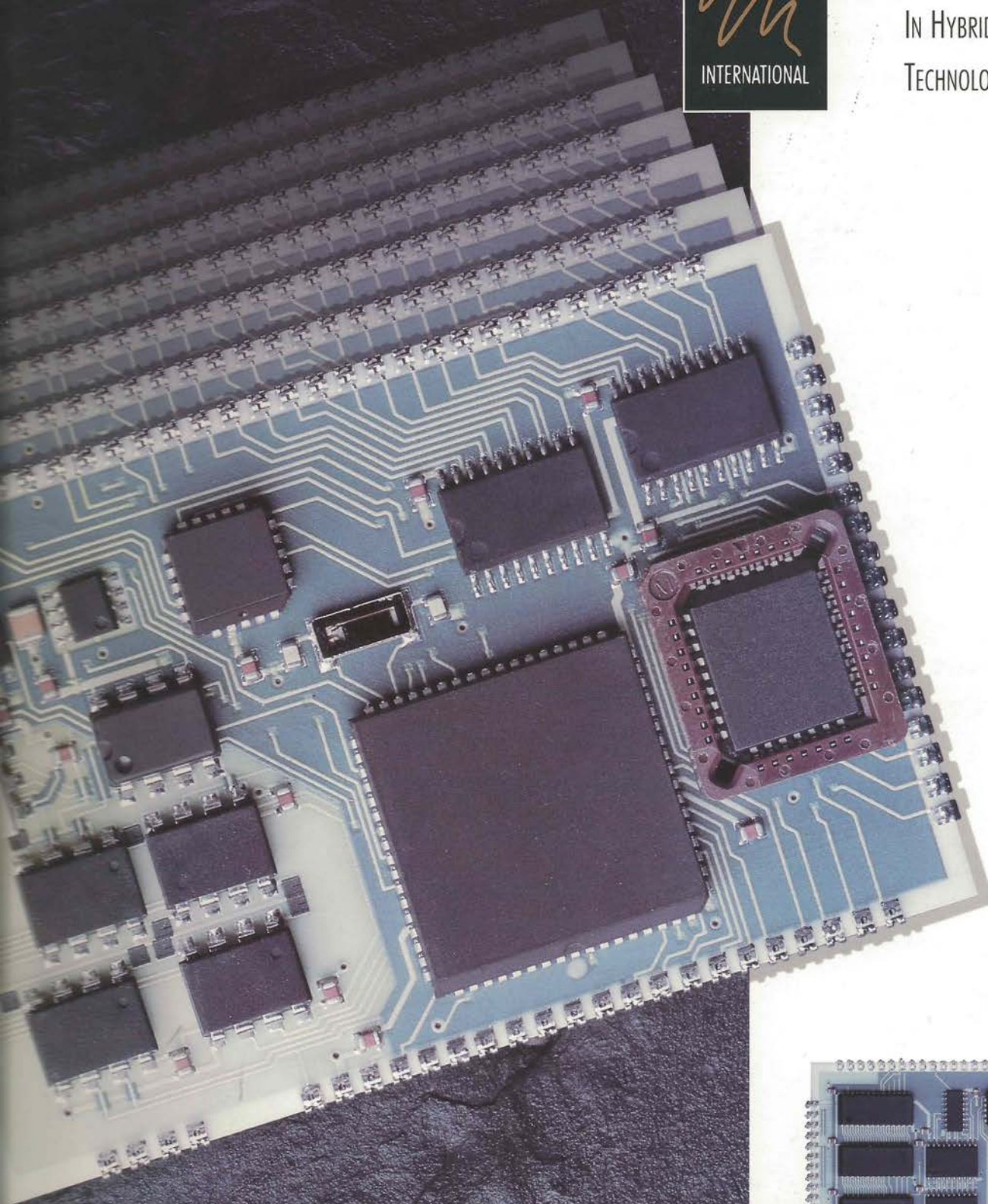




WORLD  
CLASS  
PERFORMANCE  
IN HYBRID  
TECHNOLOGY





DRIVEN  
BY YOUR  
EXPECTATIONS

At MTI International we are driven...  
to deliver to our customers the highest quality  
product, in the most timely and cost effective  
way possible. This drive permeates every  
aspect of our business, from people and  
process, through manufacturing and customer  
service.

Quality is a way of life for us.

#### Quality in People

Intensive training and systematic focus keeps  
quality at the forefront of priorities for our  
employees. At every level, quality is a  
primary objective.

#### Superior Manufacturing Processes

Our quality commitment is reflected in our  
investment in design and simulation tools,  
manufacturing systems, quality procedures  
and exhaustive testing facilities.

#### Our Guarantee

Continuous improvement - with zero defects -  
is our constant goal.

We have earned a solid reputation for  
excellence in our industry based on this  
commitment. We're confident the result will  
please you. The most reliable product.

The most competitive price.

Exactly to your specifications.

# QUALITY



*MTI International is a world leader in the manufacturing of commercial and industrial grade, custom thick film hybrid circuits and resistor networks.*

#### **Worldwide Power**

*One of the largest independent hybrid circuit manufacturers in the world, MTI is headquartered in a 30,000 square foot manufacturing facility in Menomonee Falls, Wisconsin – with additional facilities in Singapore.*

*This worldwide reach gives MTI a unique advantage - unmatched high volume purchasing power. Leveraging this purchasing power with leading component manufacturers throughout the U.S. and Pacific Rim, MTI offers its customers the lowest possible prices for manufacturing materials.*

#### **World Class Performance**

*For fifteen years MTI has specialized in the total system integration of active and passive components into space-efficient and reliable functional circuit modules.*

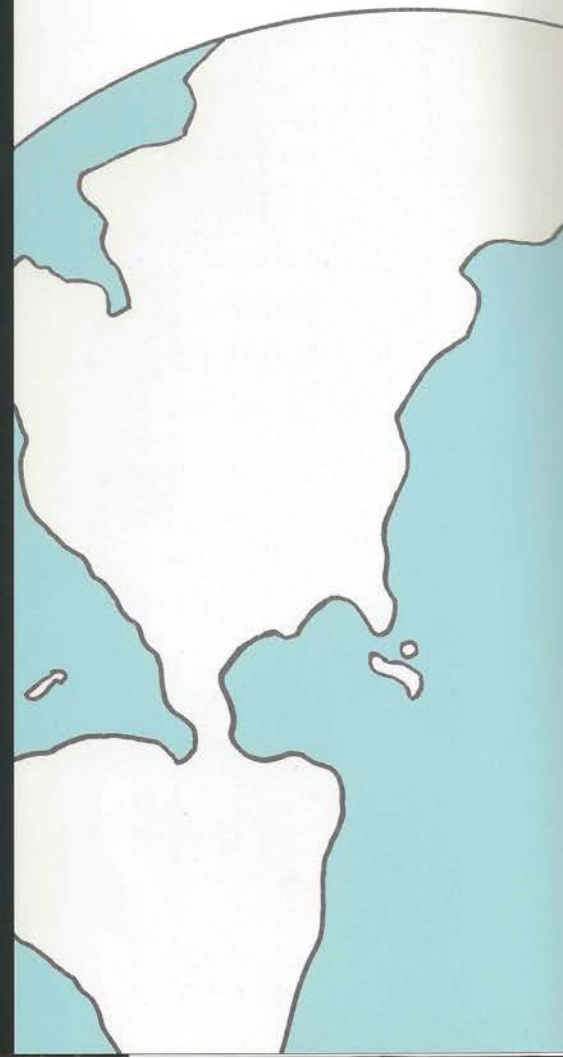
*MTI is proficient with a wide range of resistor capabilities, SMT and leaded component mounting capabilities, and hybrid package configurations. The result - we offer electronic system designers the flexibility they need to reduce system cost...while increasing system performance.*

#### **Committed To Your Satisfaction**

*We are committed to being your best possible manufacturing partner. MTI is dedicated to applying its extensive experience, engineering and technical expertise, and powerful leading-edge manufacturing capabilities to achieving all of your hybrid circuit needs.*

*Our Goal - providing the highest quality product to you on time; on target; on budget.*

WORLDW  
WORLD  
CLASS  
PERFORM





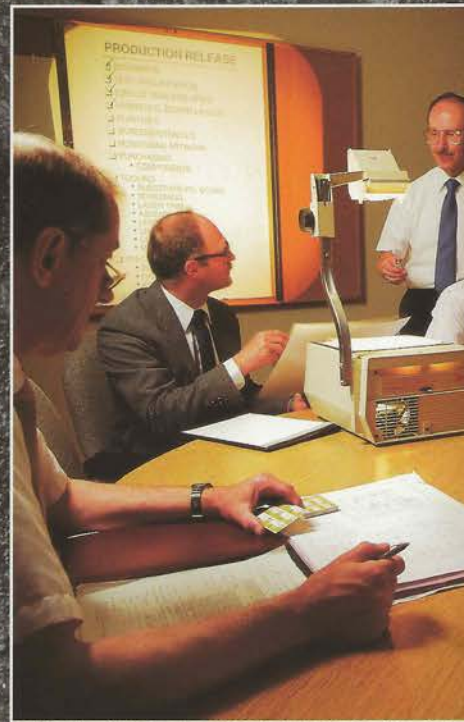
# THE MTI HYBRID DIFFERENCE

## DESIGN BENEFITS

- *Application Specific*
- *Smaller, Lighter Packages*
- *Low Development Costs*
- *Value Engineering*
- *Shorter Circuit Paths*  
*(faster switching speed)*
- *Improved Impedance Control*
- *Multilayer Capability*

MIT's cutting-edge hybrid solutions offer significant space savings over conventional boards. Easier-to-integrate. Highly reliable. Cost effective.

Engineering expertise and CAD/CAM systems solve complex design problems, producing designs, layouts, prototypes and simulations quickly and economically.



MIT's demanding, systematic release-to-manufacturing process ensures quality product designed and manufactured precisely to customer specifications.

## MANUFACTURING PROCESS BENEFITS

- *Low, Medium, High Volume Capability*
- *Complete Turnkey*
- *Automation*
- *100% Document Control*
- *Continuous Improvement Programs*
- *Statistical Process Control*
- *Supplier Certification*
- *Experienced, Trained Work Teams*  
*(SMT Since 1980)*
- *Functional Laser Trimming*
- *100% Functionally Tested Circuits*
- *"Just In Time" Delivery*



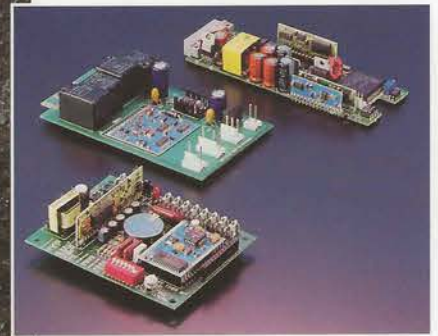
Advanced high speed, fully automated pick and place systems mount and manufacture SMT components completely without manual assembly. Result: fast turnaround, increased reliability.





Using automatic Print, Dry, and Fire systems MTI offers resistor capabilities second-to-none; values from 1 ohm to 1250 megohm, power ratings to 5 watts, and Temperature Coefficients less than 100 PPM.

Passive and Active (Functional) trimming on high speed laser systems enhances circuit performance, achieving tolerances as tight as 0.10%.



## RESULTS: IMPROVED CUSTOMER PRODUCTS

- Reduced Number Of Levels In Overall System (Fewer Solder Joints)
- Reduced Printed Circuit Board (PCB) Space
- Reduction In PCB Layers
- Minimized Assembly Costs
- Minimized Vendor Base
- Minimized Overhead/Support Functions
  - Purchasing - procurement of one part from one vendor vs. upward of 100 parts from various vendors.
  - Incoming inspection and receiving, resulting from handling one part vs. upward of 100 parts
  - Reduced storage space

A computer integrated functional test is performed on each hybrid to insure customers' stringent performance and quality specifications are met.

MTI hybrids deliver as promised; PCB's with higher density, greater reliability and lower costs.



AN  
EXPANDING  
ARRAY  
OF  
APPLICATIONS

*There isn't an area of the electronics industry where reduced size, greater reliability and minimized costs aren't critical. Where these requirements are demanded, MTI's hybrids are the right solution.*

*Typical applications include:*

- Telecommunications
- Computer Systems and Peripherals
- Test Instrumentation
- Medical Instrumentation
- Industrial Controls
- Data Communications

## PACKAGING YOUR TOMORROWS

*Opportunities abound in hybrid technology applications. The growing complexity of electronics instrumentation, combined with continuous demand for miniaturized packaging, requires increasingly challenging solutions.*

*MTI is uniquely poised on the edge of tomorrow, defining new ways of packaging your future in an endless array of possibilities.*

