

# **k-Core<sup>®</sup> Technology Overview**

# k Technology Division Overview

## Facilities



Langhorne Production Facility

### kTC Langhorne (Langhorne, PA)

- ◆ Corporate headquarters
- ◆ Manufacturing center
- ◆ APG and bonding production facility
- ◆ Production management
- ◆ Process Improvement

### kTC Ronkonkoma (Ronkonkoma, NY)

- ◆ Engineering design & development
- ◆ Prototype fabrication
- ◆ Project management
- ◆ Test and analysis
- ◆ SBIR and science center



Ronkonkoma Engineering Center

# k Technology Division Overview

## Quality System

- ◆ ISO 9001:2000 registered with UL
- ◆ Upgraded to AS9100 -- 3/06
  - ◆ Certificate No. A11305
  - ◆ Registration audit took place Jan 2003
  - ◆ All sites qualified
- ◆ Dedicated QA manager
- ◆ All processes documented and under ISO9100 control
- ◆ Approved for production by system primes

UNDERWRITERS LABORATORIES INC.  
CERTIFICATE OF REGISTRATION



## k Technology Corporation

158-2 Remington Blvd.  
Ronkonkoma, NY 11779  
USA

with off-site locations at:

110 Gibraltar Road  
Suite 223  
Horsham, PA 19044-2302

23555 Euclid Blvd.  
Euclid, OH 44117

Underwriters Laboratories Inc.® (UL) issues this certificate to the Firm named above, after assessing the Firm's quality system and finding it in compliance with

## ISO 9001:2000

EN ISO 9001:2000; BS EN ISO 9001:2000; ANSI/ASQ Q9001:2000  
and the Quality System Requirements

## AS9100:2004 – 01

UL is accredited under the aerospace Registrar Management Committee program. UL conducted this assessment in accordance with the latest version of AS9104 and AIR5359 for the following scope of registration:

3728 (US): Aircraft Parts and Auxiliary Equipment, Not Elsewhere Classified  
3769 (US): Guided Missile and Space Vehicle Parts and Auxiliary Equipment, Not Elsewhere Classified

The design and manufacturing of thermal management products.

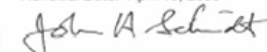
The off-site located in Horsham, PA performs the following functions: Sales, Order Entry, Purchasing (without supplier control)

The off-site located in Euclid, OH performs the following functions: Manufacturing

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization.

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of Underwriters Laboratories Inc.®.

File Number: A11305 Volume: 1  
Original Certification Date: March 18, 2003  
ISO 9001:2000 Issue Date: March 18, 2003  
AS9100 Issue Date: April 11, 2006  
Revision Date: April 11, 2006  
Recertification Date: April 11, 2006  
Renewal Date: April 10, 2009



John H. Schmidt  
Vice President and Chief Development Officer

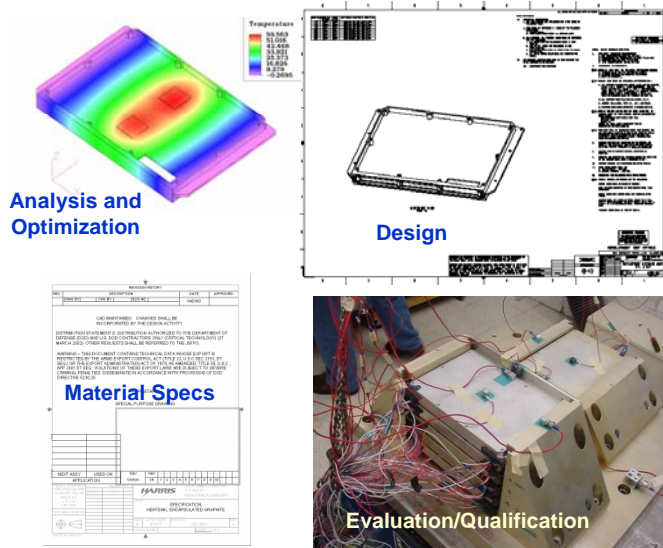


# k Technology Division Overview

## Who We Are

**kTC produces a wide variety of qualified components for thermal management applications. From the fabrication of the raw materials to the marketing and sales of the product, kTC is involved in all aspects of the product cycle.**

### Engineering



**Analysis and Optimization**

**Design**

**Material Specs**

**Evaluation/Qualification**

### Fabrication



**Materials**

**Machining**

**Consolidation**

**Process**

APG Blank

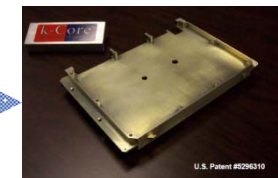
APG Blank Rough-cut

APG Insert at Thickness

Machined APG Insert

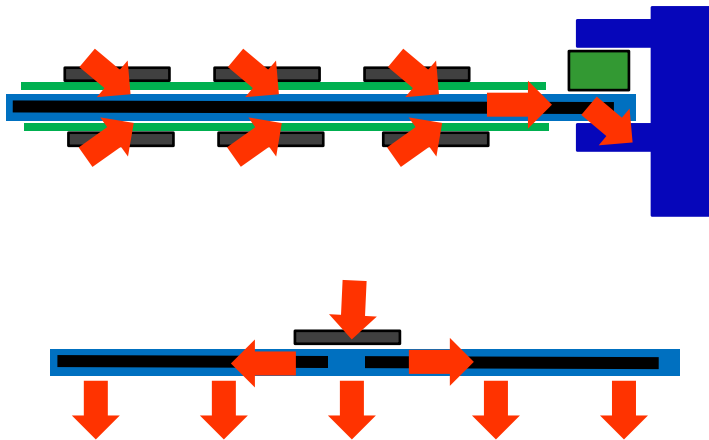
APG Insert in Module (1/2 Cut-away)

### Sales

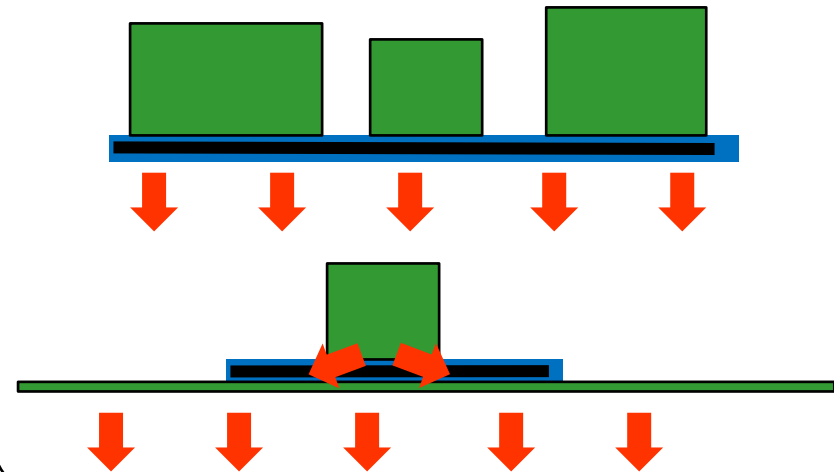


# k Technology Division Overview Product Types

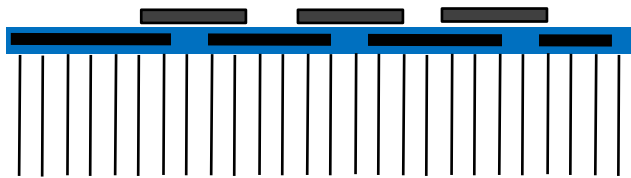
## Thermal Cores and Heat Spreaders



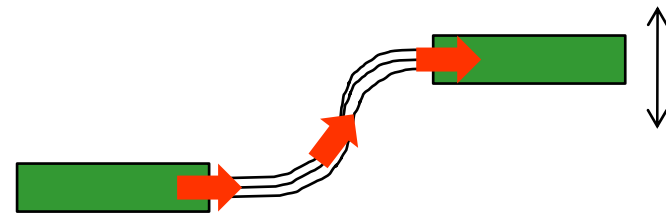
## Radiators and Doublers



## Chassis and Heat Exchangers

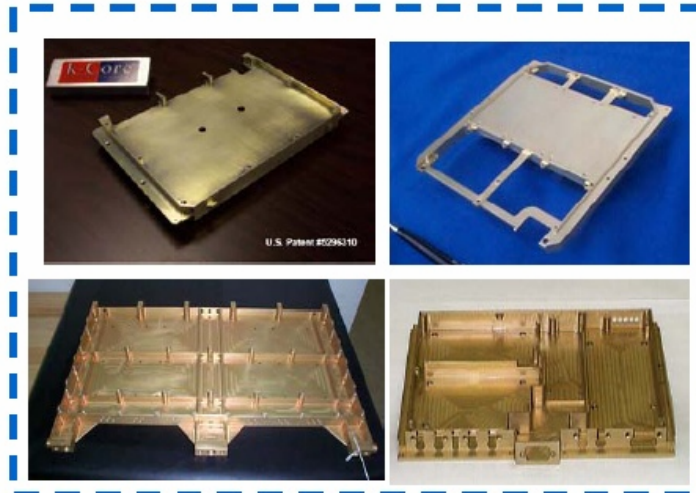


## Thermal Straps and Assemblies

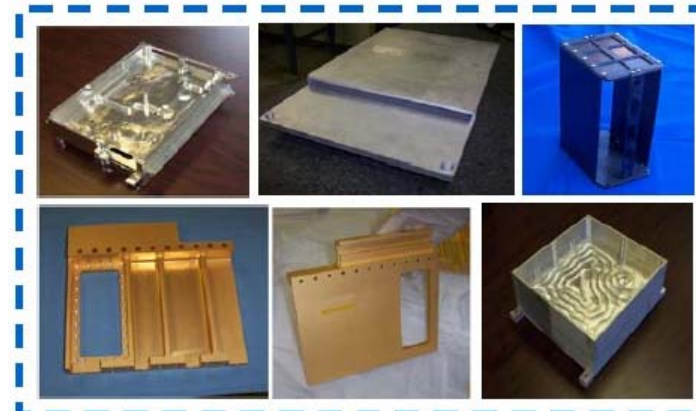


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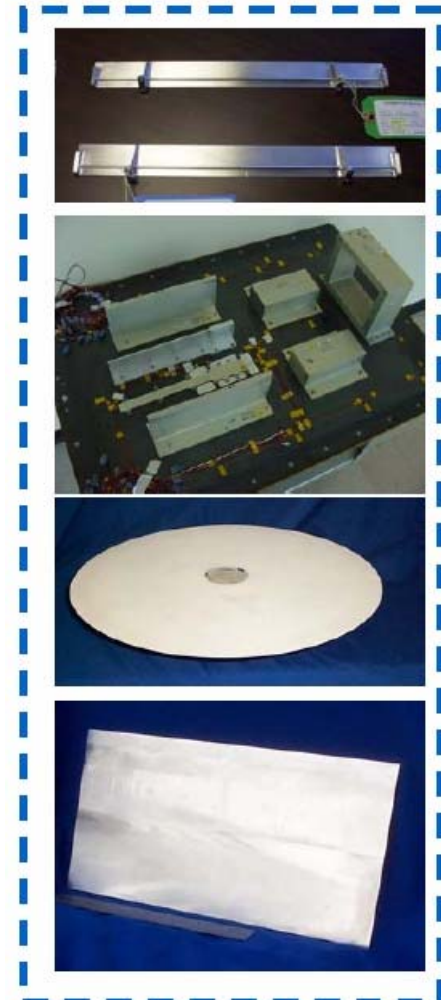
## Thermal Cores and Heat Spreaders



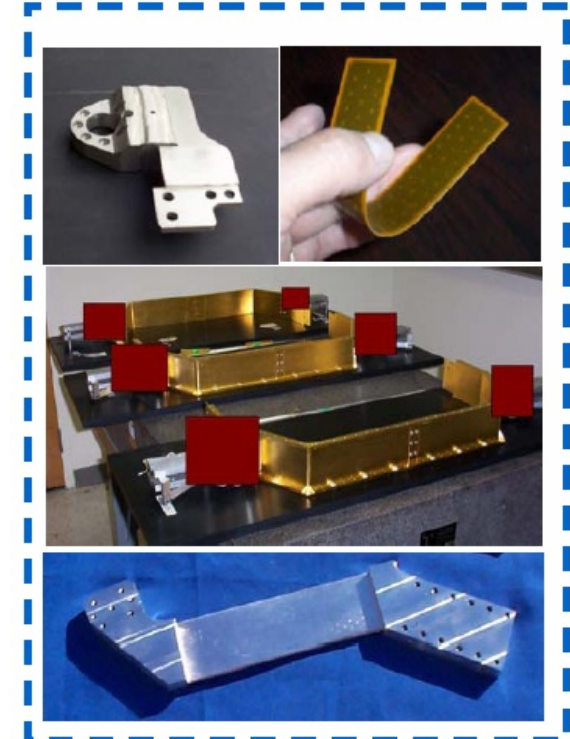
## Chassis and Heat Exchangers



## Radiators and Doublers



## Thermal Straps and Assemblies



## New Applications

