



AAVID  
THERMALLOY

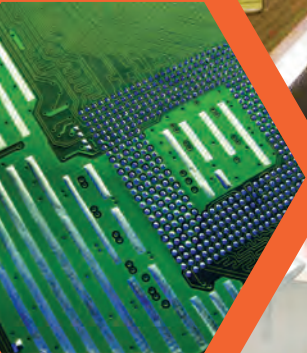
Define the problem

Design the solution

AAVID.COM



*Engineering Innovation Since 1964*



## VALUE PROPOSITION

Aavid Design offers creative and cost effective product design, testing and prototype services for thermal, mechanical, electronic and industrial design disciplines across a wide spectrum of market segments including technology, power management, telecom, industrial, consumer products and transportation.

We are... reliable, creative, process driven and cost efficient in our relentless pursuit of excellence. We recognize the mutual exchange of value through our client collaboration and never fail to listen to the voice of our customer. Our design centers located in the US, China, Europe and India provide our clients with innovative engineering solutions tailored to suit any specific need.

Aavid Design customers are uniquely supported by Aavid Corporation's low cost manufacturing facilities around the world providing unparalleled manufacturing capabilities.

AAVID.COM

Creativity Unleashed...

Aavid Design



## INDUSTRIES

Aavid Design services are utilized by leading technology companies in a broad range of industries. Our leadership and technical expertise are widely diversified within today's current and emerging worldwide markets.



- **Defense & Aerospace**
- **Server**
- **PC**
- **Telecom**
- **Consumer Electronic**
- **Industrial**
- **Lighting**

- **Power**
- **Medical**
- **Transportation**
- **Energy**
- **Gaming**
- **Networking**
- **Renewables**



## SERVICES

Aavid Design is unique in its service offerings as we are able to provide full scale ideation from innovation to development to actualization to product launch. We can act as collaborator or as your full source development resource.

Our design engineers are able to step into the creative process at any point to define the problem and optimize alternatives to discover the best solution for your design. This seamless integration into the design process enables Aavid Design to become an extension of your in-house engineering group.

Whether you require complete design solutions or stand alone services, Aavid Design can meet your needs.

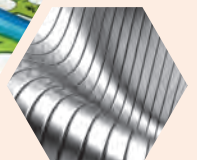


MECHANICAL • THERMAL  
ELECTRICAL • INDUSTRIAL

**Design and  
Engineering**

**Testing and  
Analysis**

**Prototyping and  
Manufacturing**





# CAPABILITIES

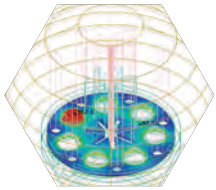
## ENGINEERING, DESIGN AND ANALYSIS

Value added design & engineering services may be utilized for turn-key product development or as a solutions provider to your existing project. Aavid Design's focus is not only on designing for functionality but also for manufacturability.

Aavid Design capabilities include a wide range of advanced engineering analysis to better understand the proficiencies as well as the limitations of any design concept.

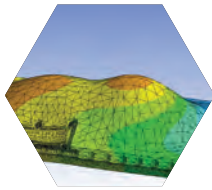
### CFD

Heat Transfer  
Advanced Flow  
Thermal Management



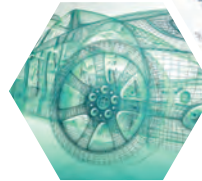
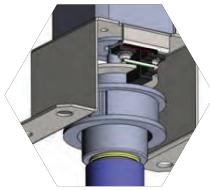
### FEA

Stress  
Vibrations  
Shock  
Structural



### CAD

Mechanical Design  
Rendering  
Drafting  
Legacy Data Conversion



*Design is where science and art meet.*

## PROTOTYPES

Aavid Design employs individuals with specialized skills and training in general fabrication techniques that help bridge the gap between theoretical design and the fabrication of models. Our progressive prototype shops are able to provide the required representative version of the product under development for further refinement, advancement and testing.

With prototype capabilities located worldwide, Aavid Design is able to abbreviate the essential time from design concept to market.

### Prototype capabilities include:

- **SLA (Stereolithography)**
- **CNC Machining**
- **RTV Tooling/Urethane Casting**
- **Metal Casting**
- **3D Printing**
- **Rapid Tooling/Production**
- **Post-Processing & Finishing**
- **Metal Coating**
- **CAD Modeling**
- **Sheet Metal**

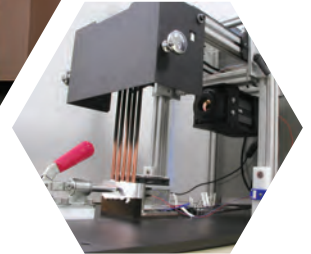


# CUTTING EDGE LABS

Aavid Design's state of the art labs are strategically located throughout the world to meet your testing requirements. We design, test and validate custom innovative solutions utilizing the most advanced technological resources to save our customers precious development time and cost.

- **Hi-Pot Test**
- **Thermal Cycling / Thermal Shock**
- **Materials Analysis**
- **Shock and Vibration**
- **Salt Spray and Corrosion**
- **Mechanical Strength Tests**
- **Heat Sink Thermal and Flow Resistance**
- **Liquid Cooling Thermal and Flow Resistance Test**
- **Fluid Flow Resistance Test with Gas**
- **Heat Pipe Thermal Resistance and Qmax**
- **Two Phase Non-condensable Gas Measurement**

- **Heat Pipe Capillary Pressure and Permeability**
- **Thermal Interface Resistance**
- **Two Phase Liquid Cooling Thermal and Flow Resistance Tests with Dielectric Fluid**
- **Liquid Cold Plate Leakage Testing**
- **Pressure Pulse Testing**
- **High Pressure Integrity Testing**



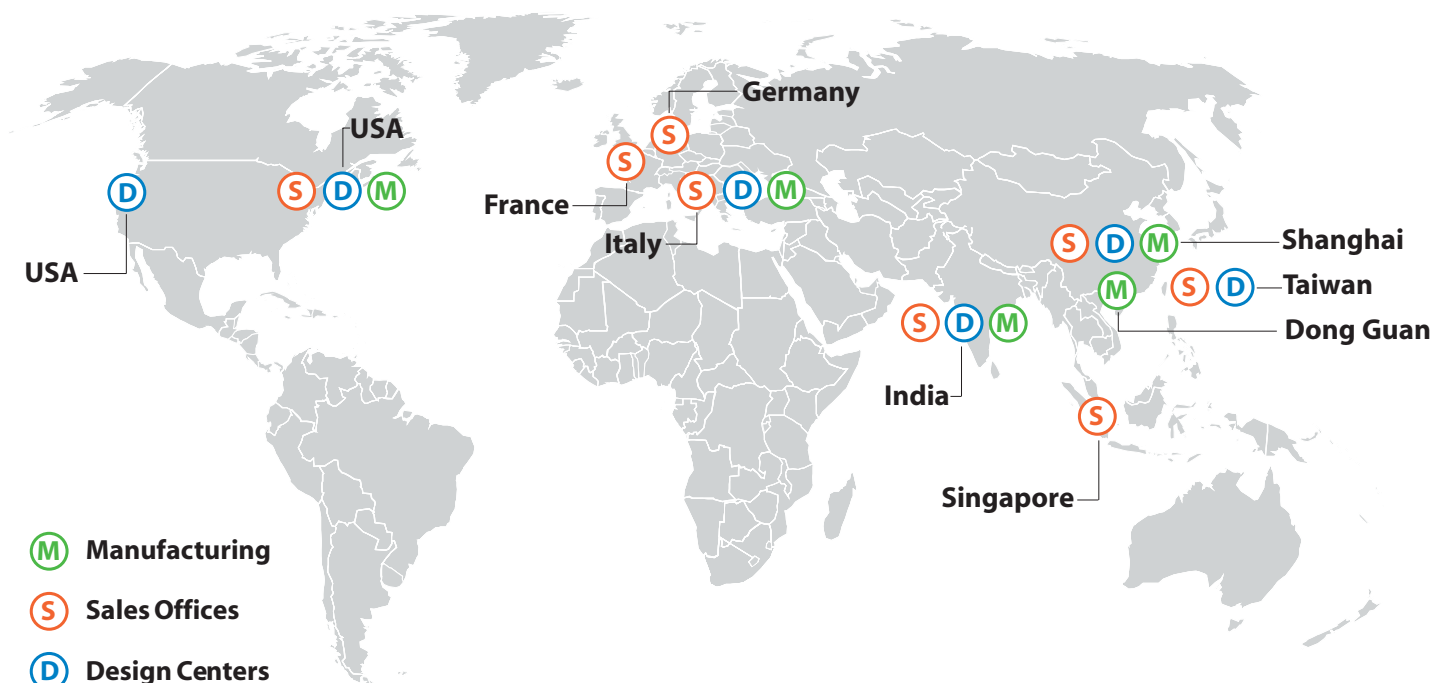
# MANUFACTURING

Aavid Design customers are uniquely supported by Aavid's low cost manufacturing facilities around the world providing unparalleled manufacturing capabilities.

It is our policy to supply products which meet or exceed customer requirements for quality, delivery, performance, and value. We are committed to continuous improvement throughout the corporation through the application of world class business principles. All factories are ISO 9001-2008 Certified.



*We not only design solutions...we design relationships.*



#### **New England Design Center**

70 Commercial St.  
 Ste. 200  
 Concord, NH 03301  
 USA  
 Email: NEDC@aavid.com  
 Local: +1-603-223-1938

#### **California Design Center**

10061 Bubb Road  
 Ste. 300  
 Cupertino, CA 95014  
 USA  
 Email: CADC@aavid.com  
 Local: +1-603-223-1938

#### **Europe Design Center**

VIA XXV Aprile, 32  
 40057 Cadriano (BOLOGNA)  
 Italy  
 Email: EUDC@aavid.com  
 Local: +39-051-764011

#### **Shanghai Design Center**

Building No.1, No.1199 XinFei RD  
 Songliang  
 Shanghai 201611  
 China  
 Email: SHDC@aavid.com  
 Local: +86-21-6115-2000 ext. 8332

#### **Taiwan Design Center**

14F-4, NO. 79, Hsin Tai Wu RD.,  
 SEC. 1, Hsi Chih  
 Taipei Hsien, 22101  
 Taiwan  
 Email: TWDC@aavid.com  
 Local: + (886) 2-2698-9888

#### **India Design Center**

Kapil Towers, C-wing  
 Next to R.T.O.  
 Dr. Ambedkar Road,  
 Pune - 411001  
 India  
 Email: INDCC@aavid.com  
 Local: +91-20-6603-0625 ext. 38

**AAVID.COM**

