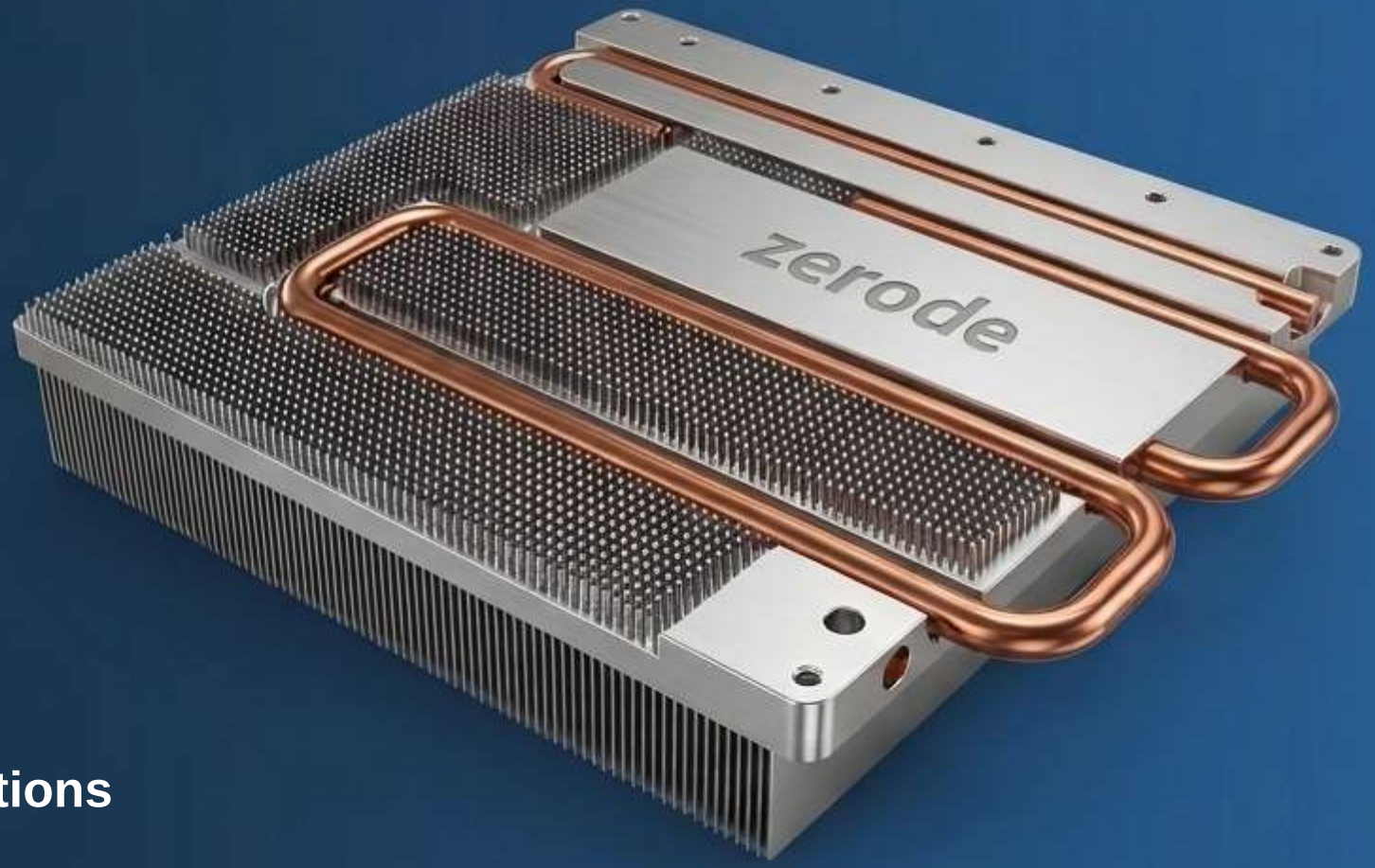
Zerode Heatsink Manufacturing (Shenzhen) Co., Ltd



Your Trusted Partner

Dedicated to Thermal Solutions

zerode

About Zerode

- Established in 2003 in Shenzhen, China.
- 4000㎡ production area, more than 50 production machines,CNCs, high precision drilling machines, punch presses, 2 skiving machines,friction welding machine.
- 90 employees in total including 12 employees work at R&D and QC departments.
- ISO9001 and IATF 16949 certifications,
  Certified National High-Tech Enterprise certification.
- Offer REACH and RoHS certified heatsinks.
- Overseas strategic markets include Europe, North America, South America, Asia, and Australia.

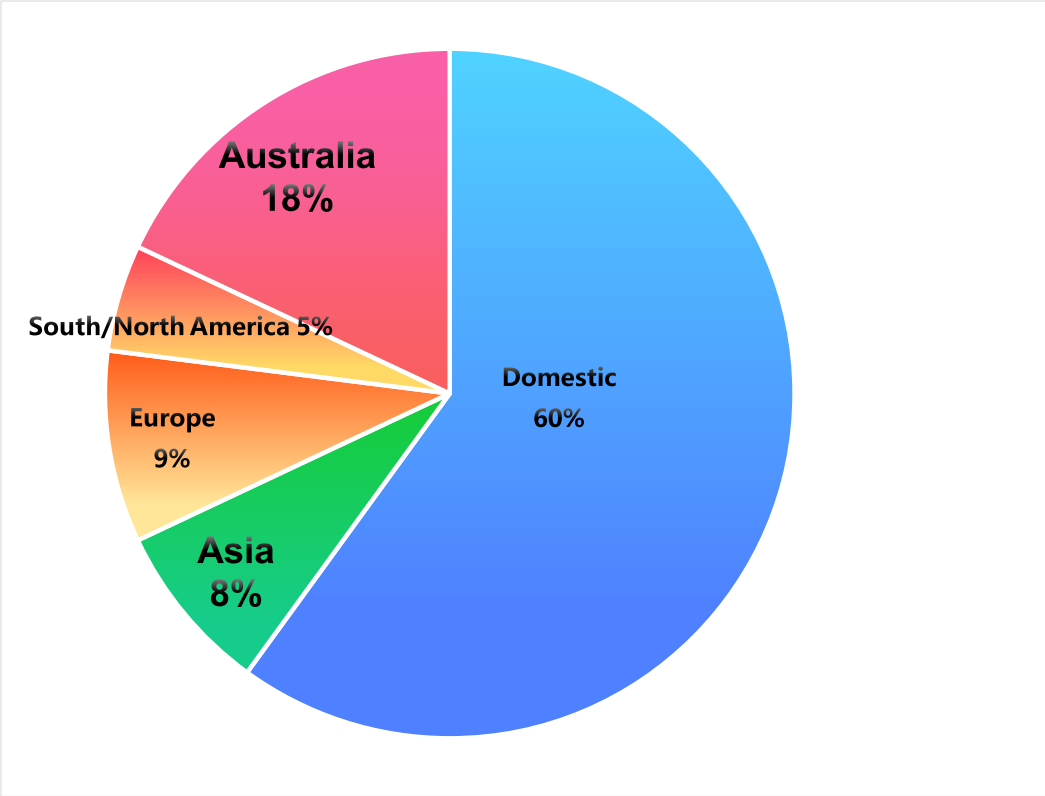
Why Zerode

- 20+ Years of Manufacturing Expertise
- Comprehensive One-Stop Thermal Solutions
- Advanced Production & High Precision
- Global Presence with Local Support
- Certified Quality & Compliance
- Proven Track Record in Premium Industries

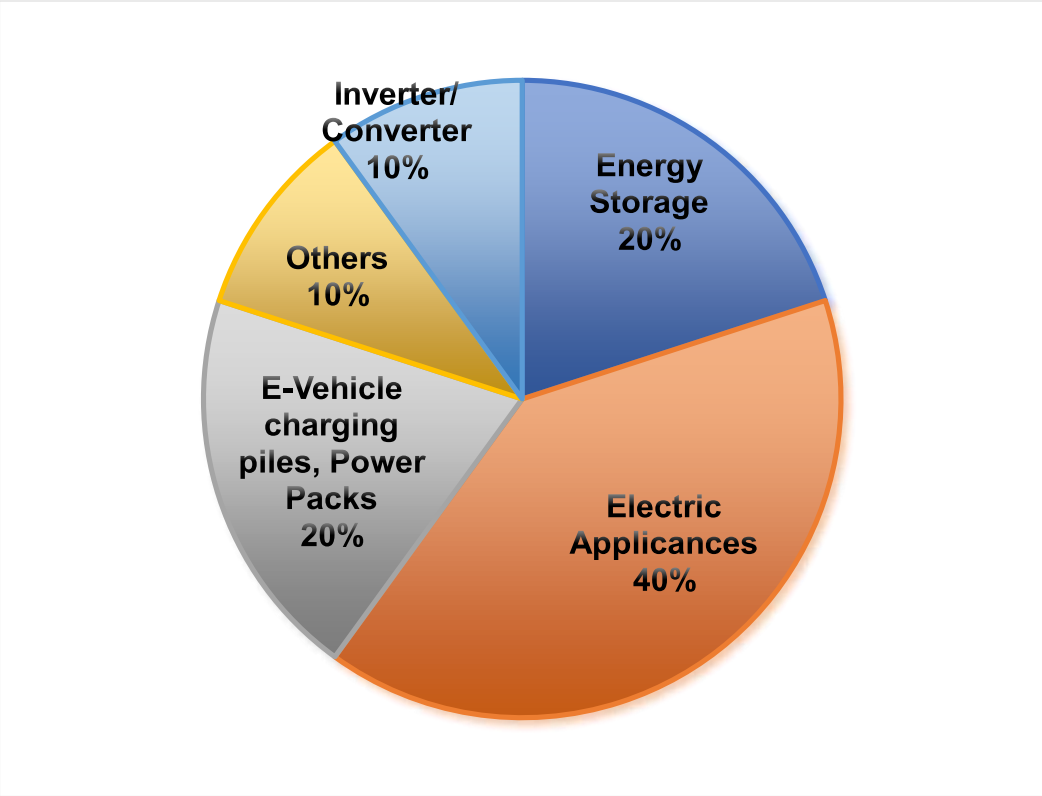
Industries

- EV Motor Controllers
- Electronic Appliances
- Wind Energy Conversion Systems
- Solar PV Inverters
- Energy Storage Systems
- Power Packs
- Motor Housing Covers
- Frequency Converters
- Power Grid SVG
- ICT

Annual Revenue: €10 Million



Global Sales Distribution by Market (%)



Revenue Breakdown by Industry (%)

Cooling Capability

- **Heatsink Structure Design**
- **Thermal Simulation**
- **Testing: Stress test,Seal test,Salt spray test etc.**
- **Wide Range Product Line: Extruded profile heatsink, Foundry heatsink, Forging heatsink, Skiving heatsink, Heatpipe heatsink, Cold plate, Vapor chamber, Thermal module， Metal stamped part and Metal housing.**
- **Customize for different projects.**
- **Over 15 years of experience with International orders.**

IATF 16949:2016 CERTIFICATION



Certificate of Registration

nqa

This is to certify that the Quality Management System of:

Zerode Heatsink Manufacturing (Shenzhen) Co., LTD

First floor, Building 6, Chuangjian Phase II Industrial Zone, Yingrenshi Community, Shiyan Street, Baoan District, Shenzhen City, Guangdong Province, 518108, China
(IATF Ulic: 3LCW9F)

applicable to:

The manufacture of electronic heat sinks

has been assessed and registered by NQA, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX, UK

against the provisions of:

IATF 16949:2016

(Clause 8.3 product design of IATF 16949:2016 is justified to exception)

This registration is subject to the company maintaining a quality management system to the above standard, which will be monitored by NQA.

Managing Director

NQA Certificate No: T156721
IATF Certificate No: 0504868
First Issue Date: 09 February 2015
Valid Until: 08 February 2028
Version: 7

ISO9001 CERTIFICATION



认证证书

DZCC

特此授予：

吉欧德散热器制造（深圳）有限公司

统一社会信用代码：91440300764892812J

注册地址：中国广东省深圳市宝安区石岩街道应人石社区创见二期工业区厂房6栋一楼

经营地址：中国广东省深圳市宝安区石岩街道应人石社区创见二期工业区厂房6栋一楼

质量管理体系符合

GB/T 19001-2016/ISO 9001:2015

认证范围

五金散热器和五金外壳的生产

IAF CODE: 17, 19

证书编号：02/CN/22060760　证书换发日期：2023年08月15日

证书发证日期：2022年08月10日

证书有效日期：2025年08月09日

IAF　IAS ACCREDITED

MSCB-235

签发：



CERTIFICATE

DZCC

Hereby Grants To:

Jioude Radiator Manufacturing (Shenzhen) Co., Ltd.

Organization Credit Code: 91440300764892812J

Registered Address: 1/F, Building 6, Transcend Phase II Industrial Zone, Yingrenshi Community, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Business Address: 1/F, Building 6, Transcend Phase II Industrial Zone, Yingrenshi Community, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Has been assessed and found to be in accordance with the requirements of standard detailed below

GB/T 19001-2016/ISO 9001:2015

Scope

The Production of Hardware Radiators and Hardware Shells

IAF CODE: 17, 19

Certificate No.: 02/CN/22060760　Certificate Renewal Date: 2023-08-15

Certificate Issue Date: 2022-08-10

Registration Expiration Date: 2025-08-09

The certified organization must pass surveillance audit to ensure the validity of the certificate.

IAF　IAS ACCREDITED

MSCB-235

Authorized by:

Ensuring compliance for automotive and industrial applications

Equipment

Auto Cutting Machine

Machining accuracy:
+/- 0.1mm



Equipment

Skiving Fins Heatsink

Thickness: 0.2-2mm

Max width: 400mm

Max Height: 140mm

Space between 2 fins: 0.4mm-10mm

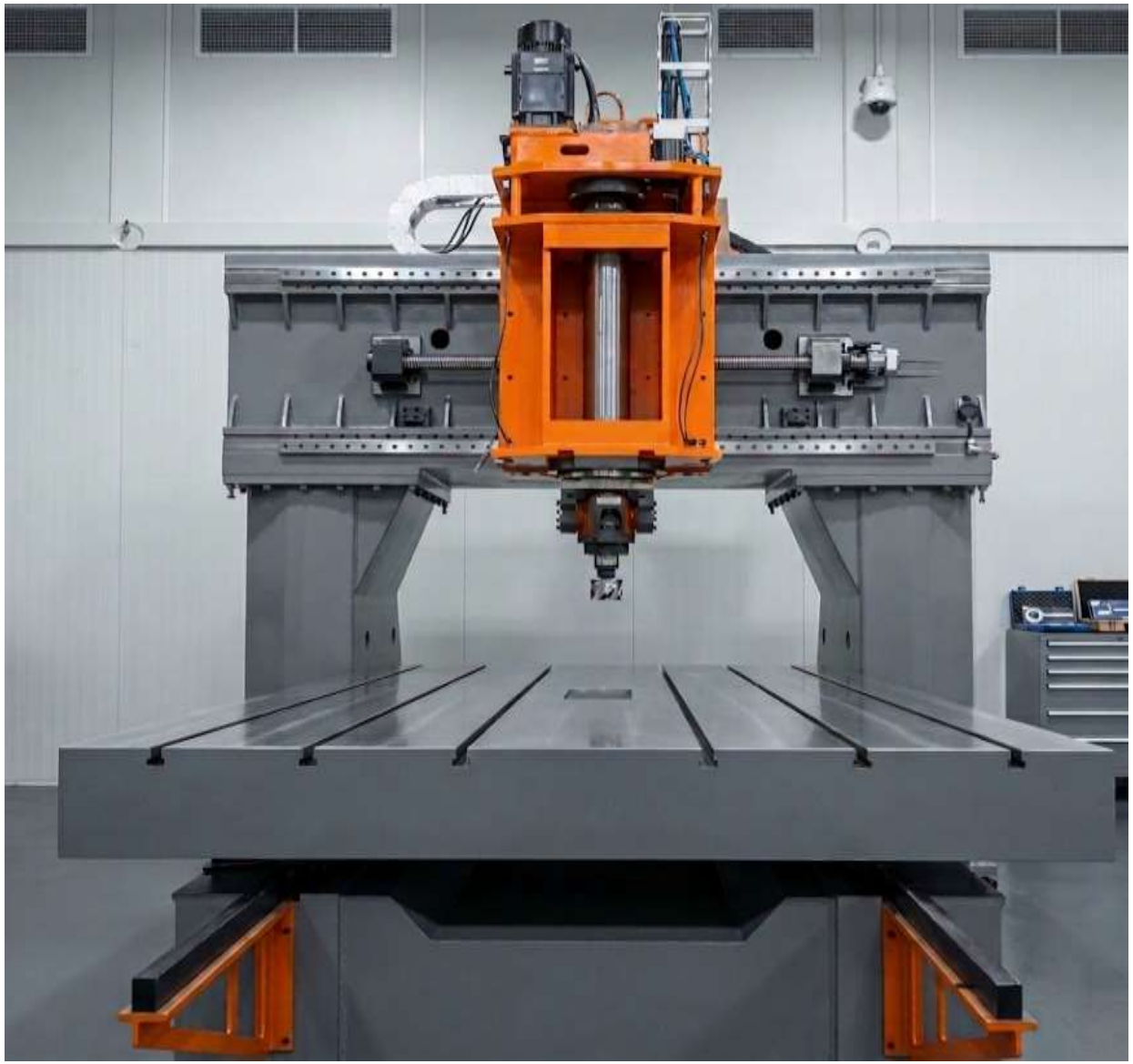
Skiving speed: 8m/min





Equipment

Friction Welding Machine



Equipment

Insert Fins Heatsink

Fins Inserting Process



Equipment

Heat Pipe Heatsink

Heat Pipes Embedding

Heat Dissipation Capacity:500W





Equipment

CNC
3/4-axis CNC

Dimensional Accuracy:
+/-0.01mm

Flatness Accuracy:
+/-0.05mm/100mm*100mm

Max Size:1000*500mm



Equipment

Drilling Machine

Machining Accuracy:
+/- 0.1mm



Inspection Tool

Video Measuring System



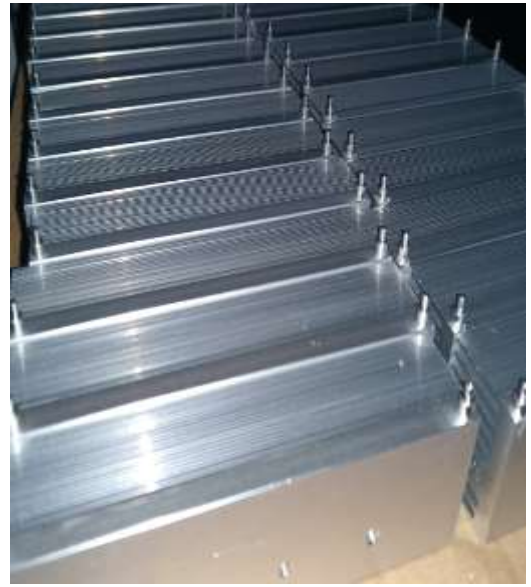
Inspection tool

Height gauge



Pull-off tester

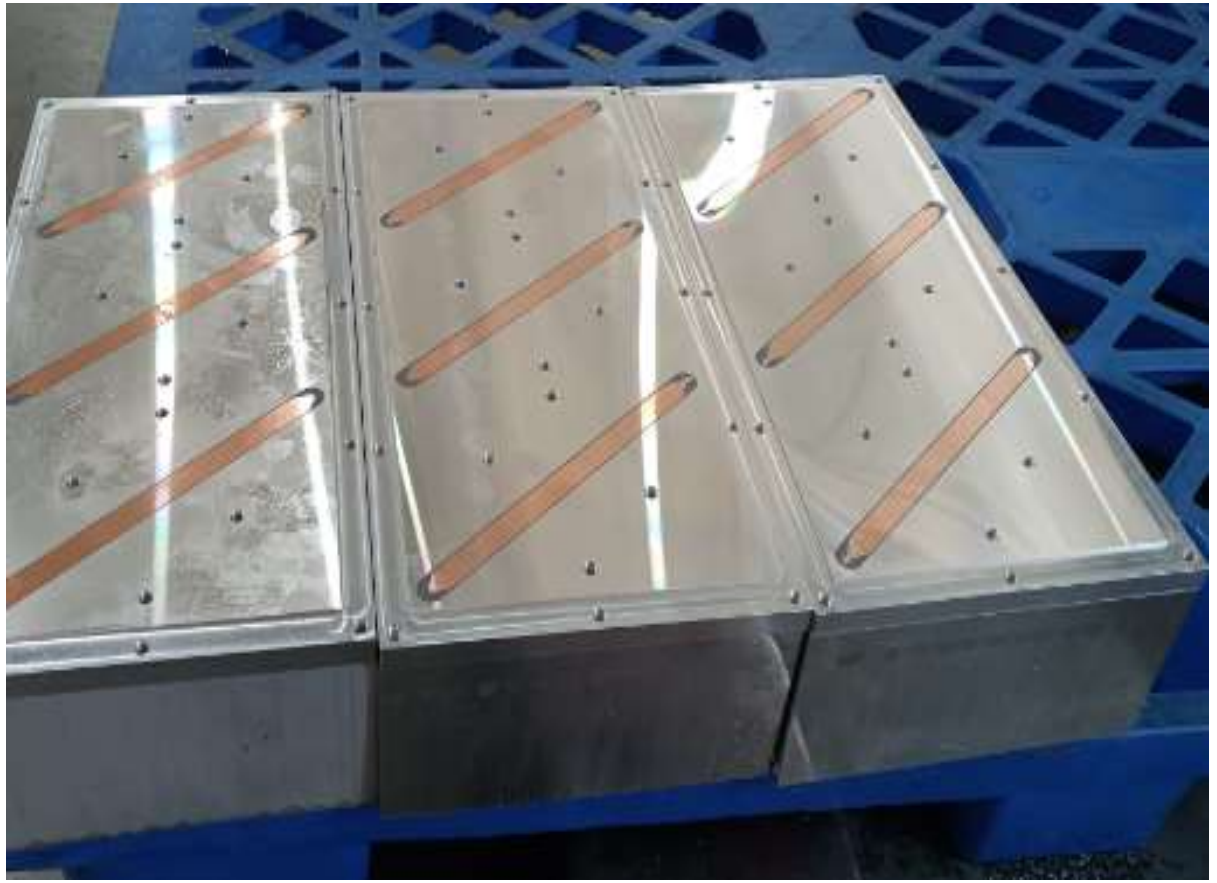




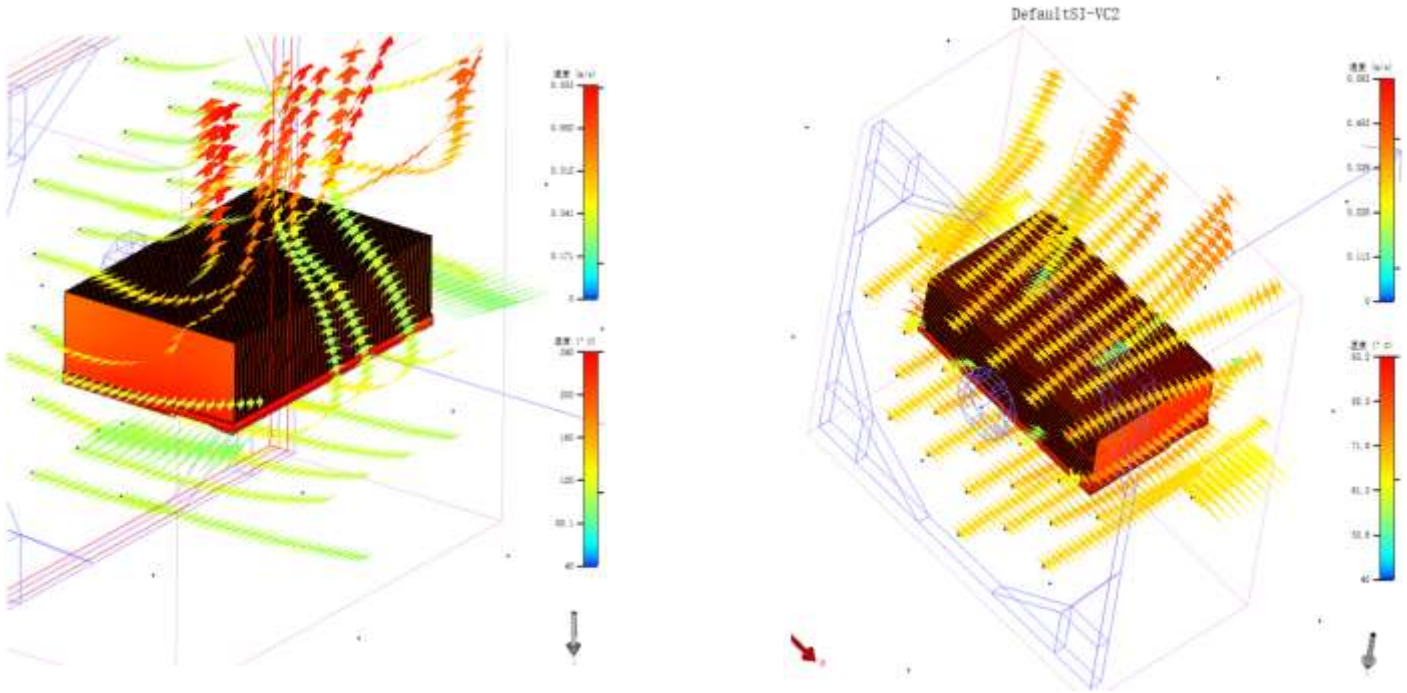
Inspection tool

Plug gauge for flatness measurement

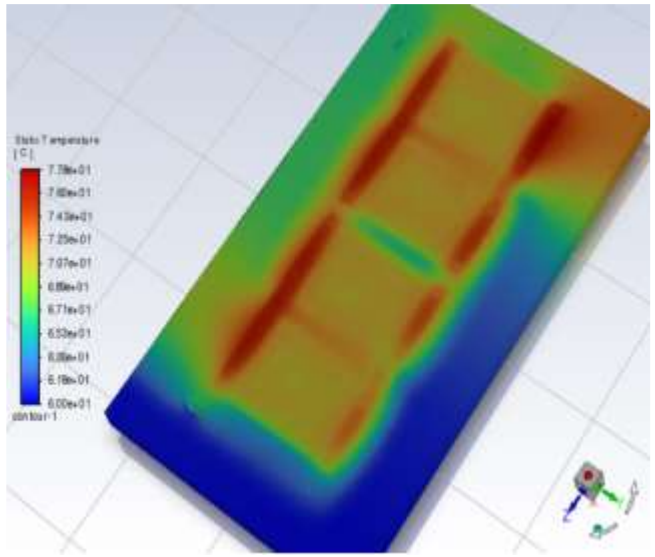




Computational Fluid Dynamics (CDF)Analysis



Thermal Simulation of Air-Cooled Heatsinks



Thermal Simulation of Water-Cooled Heatsinks



Zerode Kühlkörper

Zerode in Germany

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70565 Stuttgart
Tel: +49 0711 39160831



Thank you!

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http://www.zeroheatsink.cn/en/

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