



**Kendeil
Ozdisan**

Aluminum Heatsink Manufacturing

Power Electronics Excellence

www.kendeilozdisan.com

Ozdisan Aluminum Heatsink Design and Production Department

Key Figures

- 1500 m2 Production plants
- 12 employees
- 400 tons-2024
- 2 M USD-2022 turnover



Application Area

- Power Supply
- Welding Machines
- Inverters
- Lighting
- Regulator
- Medical
- Automotive
- Other



Production Capacity

- Std and customized range of over 100 extruded profiles
- 3x Automatic Cutting Machines
- 1x Skiving Heatsink Machine
- 4x Multi-Pallet CNC Machines
- 1x Tapping Center CNC Machine
- 1x 1300mm x 700mm table plate CNC Machine
- 1x Ultrasound Washing Systems
- CAD/CAM Software
(Unigraphics/NX-SIEMENS)



Production Capacity

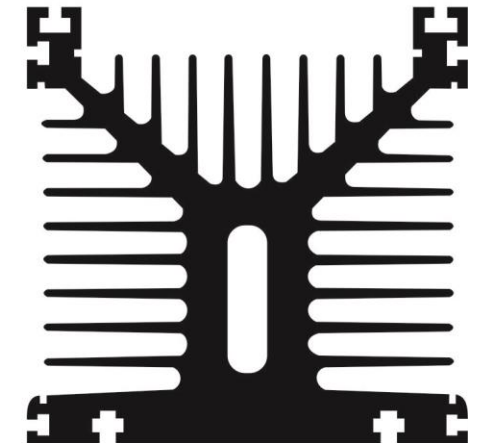
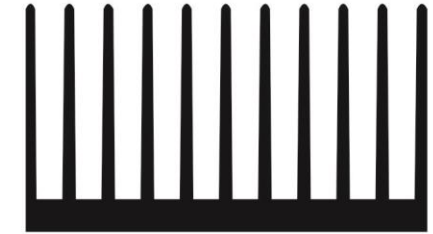
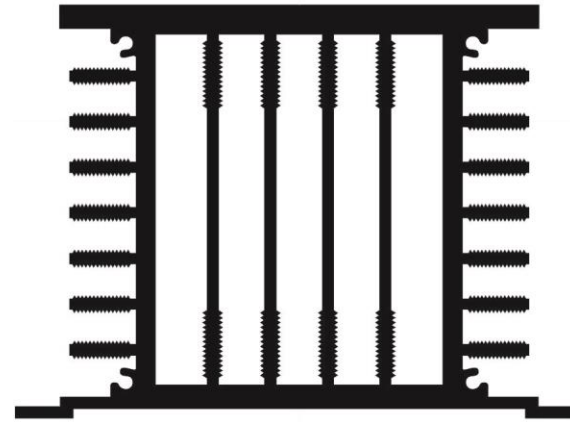
- 150 tons raw material stocks
- Monthly Production capacity:
100.000 pieces /per month
- Production : 40.000 pieces /
35 tons per month



Air Cooled Technologies

1) Extrusion Heatsinks

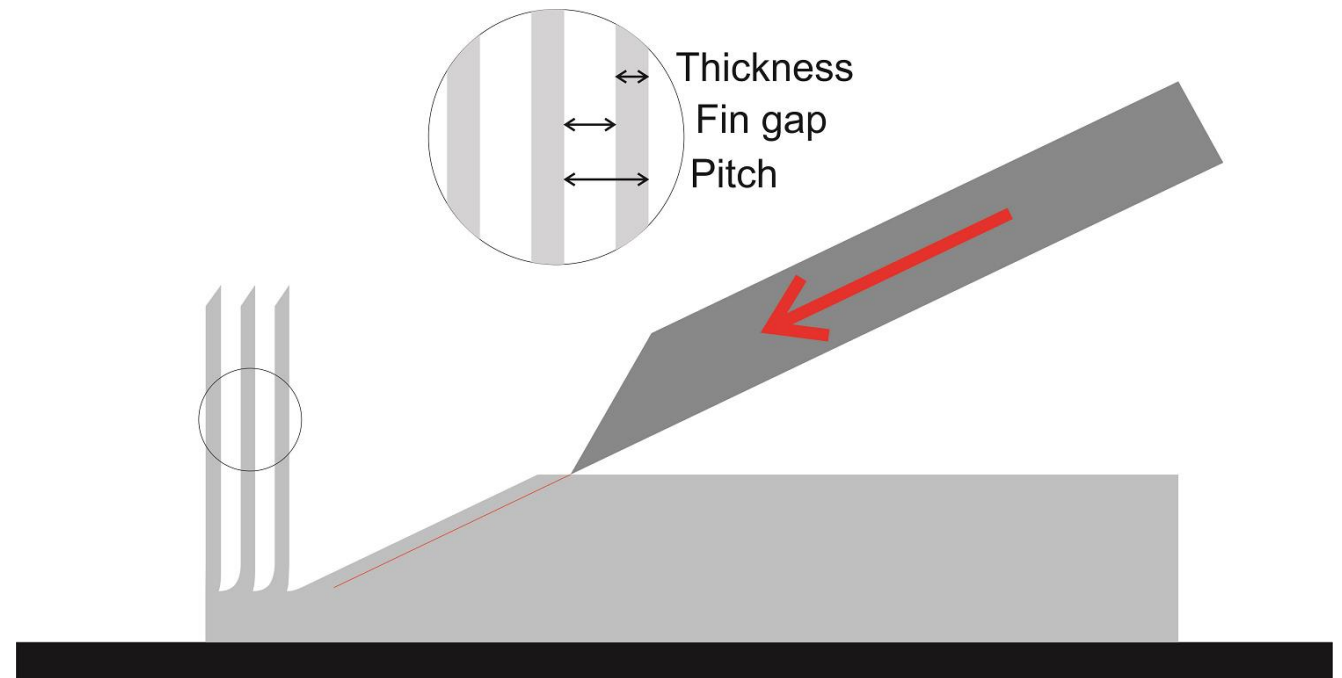
- Standard extrusion process, cost effective solution
- Wide range of profiles varying shapes and sizes available
- Customized profiles



Air Cooled Technologies

2) Skiving technology

Skiving heatsink technology offers excellent thermal properties compared with other manufacturing methods. It offers dense population of uniformly shaped thinner fins.

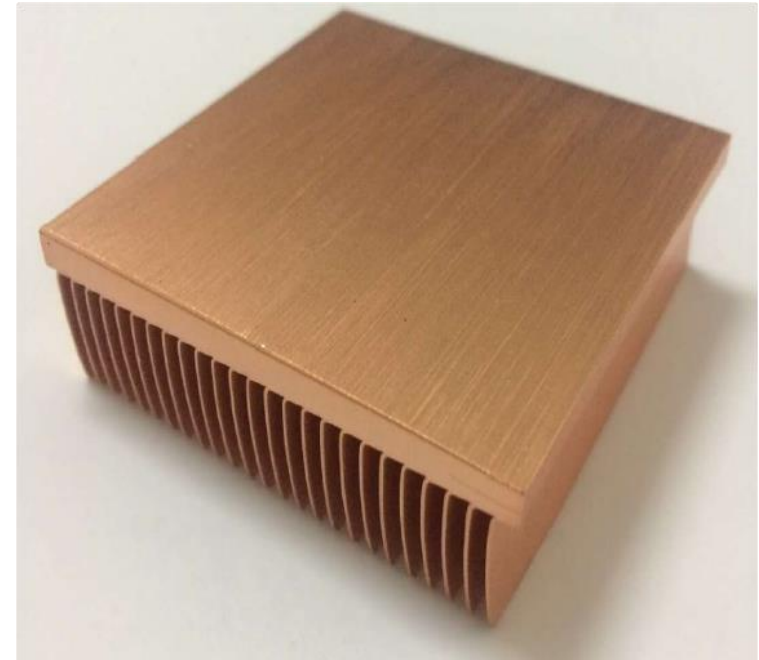


Air Cooled Technologies

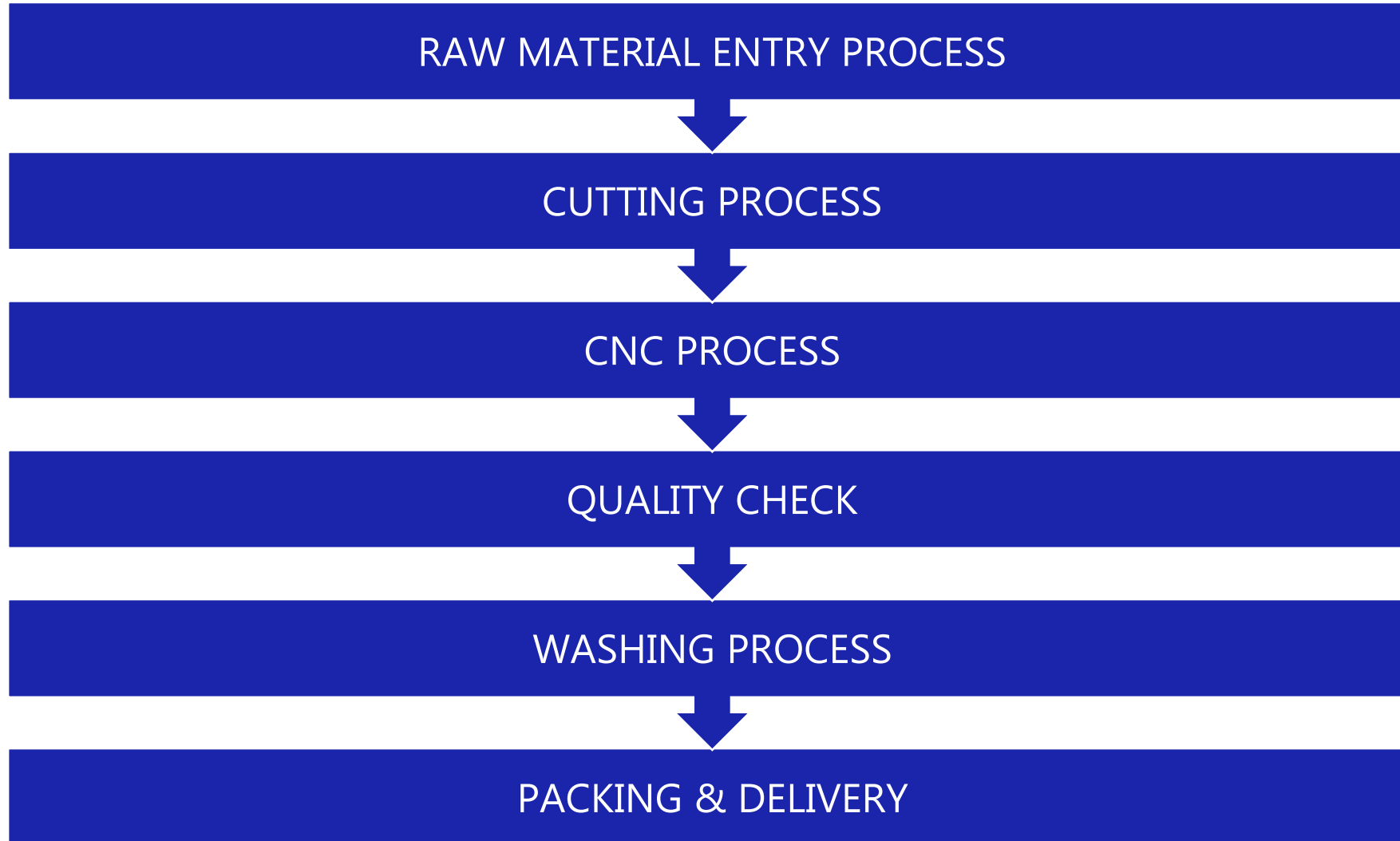
2) Skiving Heatsinks

A Skived Heatsink is made from a single block of metal such as copper or aluminum. Other heatsink manufacturing processes such as stamped or folded fins have additional interface thermal resistance and lower thermal performance compared to skived heatsinks. This is the result of solder used to attach the fins.

Skiving technology eliminates the interface and subsequent thermal resistance hence produces optimum cooling performance in high airflow applications.



Aluminum Heatsink Production Flow Chart



CERTIFICATES



CERTIFICATE

This certificate is granted to the organization,
ÖZDİSAN ELEKTRONİK PAZARLAMA SANAYİ VE TİCARET ANONİM ŞİRKETİ

Dudullu Osb Mahallesi Des 104 Sokak A07 Blok No:54/56 Ümraniye / İstanbul / Türkiye
Warehouse: Dudullu Organize Sanayi Bölgesi, 6832 Parsel Baraj Yolu, 2. Cad. No:7 Kat:3, 34776 Ümraniye / İstanbul / Türkiye
Manufacture: Emek Mahallesi Ordu Caddesi No:53 İç Kapı No:1 Sancaktepe / İstanbul / Türkiye

ELECTRONIC COMPONENT SALES AND MARKETING, HEATSINK PRODUCTION AND FOREIGN TRADE CUSTOMS CLEARANCE, MANAGEMENT AND ADMINISTRATIVE ORGANIZATION ACTIVITIES AND THE OPERATIONS RELATED TO THESE ACTIVITIES AND THE PRODUCTION AND SERVICE PROVISION RELATED TO THESE ACTIVITIES
EA 18, 19, 29, 31

according to the scope,

ISO 9001:2015

to certify that Quality Management System in accordance with standard's clauses is established and being implemented.

First Date of Issue : 09.07.2020
Date of Issue : 06.01.2023 (08.07.2022)
Certificate Period : 3 Years
Reissue Due Date : 08.07.2023
Certificate No. : 01.20.8668.114263.D


First Quality Certification
System Certificate Approved
Maltepe / İstanbul / Türkiye



FQC Global Certification A.Ş.
Uludağ Mahallesi Taraklı Cad. No:1319 K:4 Ü:19-20 Beşiktaş / İstanbul / Türkiye T: +90 212 447 89 09 F: +90 212 407 20 08
No:7 Kat:3, 34776 Ümraniye / İstanbul / Türkiye
The document shall remain valid as long as the customer keeps FQC alive and keeps the contact. Certificate validity shall be checked on FQC website.
www.fqcglobal.org info@fqcglobal.org



CERTIFICATE

Özdisan Elektronik Pazarlama Sanayi ve Ticaret A.Ş.

Head: Dudullu OSB Mahallesi DES 104 Sokak A07 Blok No: 54 / 56 Dudullu İstanbul Turkey
Store: Dudullu Organize Sanayi Bölgesi 6832 Parsel Baraj Yolu 2. Cad. No: 7 Kat: 3 Ümraniye İstanbul Turkey
Production: Emek Mah. Ordu Cad. No: 53 / 1 Sancaktepe İstanbul Turkey
The above-mentioned organization implements and maintains a management system in the following scope, and its compliance with the standard has been approved by KingCert.

ISO 14001:2015

Environmental Management System

Scope : Customs, Foreign Trade of Electronic Component, Manufacture of Heat Sink, Operations of Logistics, Management and Administrative Organization
IAF/EA Code: 18

This certificate is valid during above mentioned company perform the requirements of ISO 14001:2015 standard and fulfill all responsibilities to KingCert.

Certificate Publication Date : 10.02.2023
Cert. Last Issue Date : 05.02.2023
Cert. Expiry Date : 08.02.2024
Cert. Period Exp. Date : 08.02.2026
Certificate Number : H1675848637E




King Cert International Certification Ltd.
Director

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504 10, Sofia Bulgaria
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TEL: 35 7 81 88 2016 / 84 38 2019 / 83

King Cert International Certification Ltd. certifies that the above stated company have the appropriate management system according to the requirements of the above standards. This certificate is valid for three years as long as the system effectively maintained and surveillance audits are carried out. The validity of the certificate can be checked through www.kingcert.com . The certificate is property of King Cert International Certification Ltd. and shall be returned if no renewed.



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Production: Emek Mah. Ordu Cad. No: 53 / 1 Sancaktepe İstanbul Turkey
The above-mentioned organization implements and maintains a management system in the following scope, and its compliance with the standard has been approved by KingCert.

ISO 45001:2018

Occupational Health and Safety Management System

Scope : Customs, Foreign Trade of Electronic Component, Manufacture of Heat Sink, Operations of Logistics, Management and Administrative Organization
IAF/EA Code: 18

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