

# **DIE CAST BROCHURE**

1st Edition



## KIMSEN INDUSTRIAL CORPORATION

- Established in 2013, KIMSEN INDUSTRIAL CORPORATION is a professional company active in the field of manufacturing extruded aluminum, die cast aluminum, machined components & assemblies in Vietnam by international standards.

**Factory area:** 35,000 m<sup>2</sup>

**Business category:** Manufacturing extruded aluminum, die cast aluminum, machined components & assemblies

**Capacity:** 10,000 tons of aluminum & 30,000,000 components per year

**Management systems:** Quality Management System ISO 9001:2015, Environmental Management System ISO 14001:2015, 5S - Kaizen Method

# MANUFACTURING CAPABILITY

■ KIMSEN has gained customers' trust with our strong production capacity:

- ▶ **Die cast workshop:** 4 DC machines (180 tons/month)
- ▶ Annual output: **2200 tons** (~180 tons/month)



## Die-Casting Workshop

Aluminum alloy: ADC12, ADC6, A380, HD4 and equivalent

Machines: 350T/650T/800T



## Deburring Workshop

Services: Cutting, Grinding & Polishing, etc.



## Anodizing & Shot Blasting Workshop

Color range: White, grey, black, etc.

Type: Natural, blasting



## OUR MACHINES FOR PRECISION MACHING WORKSHOP

With the aim of providing customers with high-precision finished products, KIMSEN has been equipped with a modern processing machine system that allows the production of sophisticated precision parts, meeting the diverse requirements of customers.

### ► CNC MACHINES

- **Total: 40 machines**
- **Services:** Milling, cutting, drilling, tapping, etc.

### ► DRILLING & TAPPING MACHINE

- **Total: 17 machines**
- **Services:** Drilling, tapping, etc.

### ► PUNCHING MACHINES

- **Total: 08 machines**
- **Machines:** 45/80/150/200T





## PRODUCTS

Aluminum withstands good corrosion resistance and mechanical properties as well as high thermal and electrical conductivity, making it a good alloy for die casting.

**KIMSEN** has a diversified range of products which are being used in a broad range of fields and applications such as Mechanical & Electrical, Transportation, Construction, Furniture, Automotive, Energy, etc.

**WE PROVIDE OEM SERVICE,  
CUSTOM COLOR AND STYLE**



### **CUSTOM DESIGN**

for unique shape and weight requirements



### **COST-EFFECTIVE**

option for high volume applications



### **DESIGN FLEXIBILITY**

produce complex shapes with a high degree of accuracy and repeatability

## PROFESSIONAL OEM SERVICE, CUSTOM COLOR AND STYLE

Die casting aluminum offers several advantages over other metal-forming processes that might make it the appropriate choice to create your aluminum parts.

Aluminum die casting is the method of choice for many automotive, industrial, and telecommunications products. It's also often used to produce electrical, hydraulic, and lighting components.



**MOTOR'S COVER**



**MOTORBIKE'S COVER L**



**MOTORBIKE'S COVER L**



**GEAR BOX'S COVER**



**BACK & RIGHT COVER OF  
TELECOMMUNICATIONS  
EQUIPMENT**



**WASHING MACHINE'S  
BEARING HOUSING**



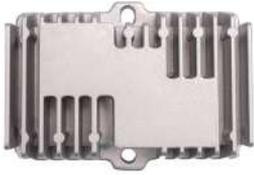
**WASHING MACHINE'S  
BEARING HOUSING**



**MACHINE'S FRAME**



**ELECTRIC  
MOTORCYCLE'S WHEEL**



**CAR ELECTRONICS HEATSINK**



**CAR ELECTRONICS HEATSINK**



**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



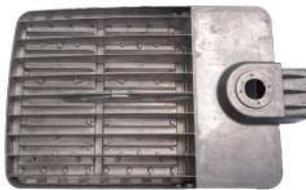
**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



**LED LIGHT'S HEATSINK**



**INVERTER'S HEATSINK**



**CAMERA'S COVER**



**CAMERA'S RIM**



**CAMERA'S BODY**



**CAMERA'S BODY**



**CAMERA'S BODY**



**CAMERA'S BODY**



**ROAD DIVIDERS**



**ROAD DIVIDERS**



**MOBILE STAND**



**DOOR'S HANDLE**



**FIRE HOSE COUPLING**



**RING 0015 & RING 0027 OF ELECTRICAL EQUIPMENT**

# QUALITY MANAGEMENT

We apply Japanese 5S - Kaizen and Lean manufacturing methods to maintain stringent quality standards in manufacturing processes, ensuring rigorous quality checks at every stage of production.



Measuring the dimensions of parts by CMM machine



Hardness testing of product

# PRODUCT STANDARDS & SPECIFICATIONS

## 1 Product advantages

- ▶ Lightweight and durable
- ▶ High aesthetic
- ▶ Non-magnetic & non-toxic
- ▶ Easy to fabricate & elastic
- ▶ Multi forms & colors
- ▶ Recyclable

## 3 Chemical composition (Alloy No.: ADC12, ADC6, A380, HD4)

Chemical Composition % (mass fraction)											
Alloy No.	Cu	Si	Mg	Zn	Fe	Mn	Ni	Sn	Pb	Ti	Al
ADC12	1.5 - 3.5	9.6 - 12.0	0.3 max	1.0 max	1.3 max	0.5 max	0.5 max	0.2 max	0.2 max	0.3 max	Remainder
ADC6	0.1 max	1 max	2.5-4.0	0.4 max	0.8 max	0.4-0.6	0.1 max	0.1 max	0.1 max	0.2 max	Remainder

## PACKAGING

KIMSEN provides quality standard packaging services, which can be customized to customer's specific packaging requirements.





## CONTACT US

### ADDRESS

#### Head Office & Factory

Yen Phong Industrial Park, Bac Ninh Pro., Vietnam

#### Die Cast Workshop

An Lac Hamlet, Trung Trac Commune, Van Lam Dist., Hung Yen Pro., Vietnam

#### Hanoi Office

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