

Company profile & Product introduction

Shiming Metal & Plastic MFG. Co., Ltd.
Speed Foot Enterprise Co., Ltd.

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Aluminium Division**
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Nameplate Division**
04. **Quality Assurance
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01

A&1 Group Introduction

A&1 Group Global

Headquarter located in Taiwan and expansion to China



◎ 1999 KunShan City, Jiangsu, China
Shiming Metal & Plastic MFG. Co., Ltd.
Grand Champion Metal & Plastic MFG Co., Ltd.

◎ 1993 FoShan City, Guangdong, China
Yiming Metal & Plastic Logo MFG. Co., Ltd.
TaiKuang METAL MFG. Co., Ltd.
Sumade Precision Metal Product Co., Ltd.

◎ 1980 Taipei, Taiwan
Speed Foot Enterprise Co., Ltd.

A&1 Group Global

Branches in Southeast Asia and moving towards international expansion



◎ 2016 Thailand
Taiming Metal & Plastic MFG. Co., Ltd.

◎ 2012 Vietnam
Yueming Metal & Plastic MFG. Co., Ltd.

The Master surface treatment and Metal appearance

Focus on products design, Integrated processes and Fabulous products on creativity

Multi-material applications

Aluminum alloy / Bronze Brass
Stainless steel / SECC
PC / PET / PMMA / PVC
ADC-12 / ZA-8
Soft composite materials



Precision Machining Technology

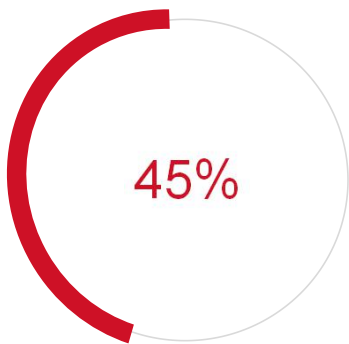
Extrusion / Die casting / Stamping
Forging / Plastic Injection
Powder Metallurgy (Metal Injection)
CNC Machining
Lathe Processing

Various surface treatment processes

Hairline / Sandblasting / Anodizing / Chroming / Printing /
Plating / PVD/ ED
Laser engraving / Chemical etching / Powder Coating
Diamond cutting / Polishing / Anti-reflective coating /
Hard coating / Anti-fingerprint coating / NIL processing

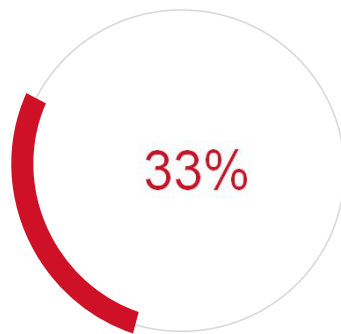
The Master surface treatment and Metal appearance

Main products are based on three industries and actively develop to Blue Ocean



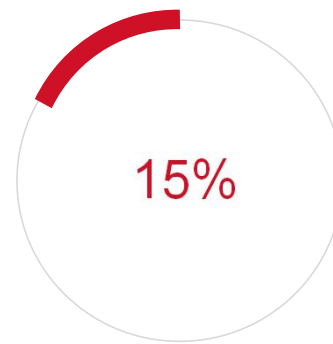
Automotive

Hardware/ Fastener
surface treatment
Aluminum plate/
Nameplate Interior &
Exterior Parts



Consumer Electronics

Surface Treatment of
Metals and Plastics
Case/ Body
Aluminum plate/
Nameplate
Mylar/ Membrane
switch/ Label
Speaker mesh



Sports

Golf Club Head/
Electroforming
Golf Club/
Decorative sheet



New business-Medical

Needle special surface
treatment/ Surgical
Instruments special
surface treatment

The Master surface treatment and Metal appearance

Creating great design for customers and researching product development as one stop service



02

Product Introduction Aluminium Division

Surface Treatment of aluminum alloy – Anodizing

Anodizing is not only resistant corrosion of aluminum but also the special structure of the oxidation film could be colored and be improved appearance texture

Texture



Stamping



Polishing



Sandblasting
Hairlines



Etching



Anodizing



Silkscreen
Printing



Diamond-
Cutting



Laser
engraving

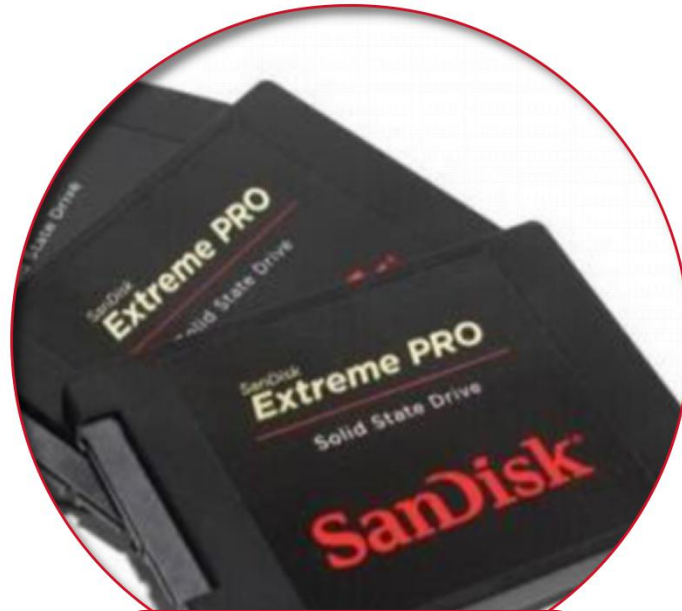
Corrosion resistance
Dyeing

Add on processes

Product Introduction – Hard Disk exterior cover



Aluminium Stamping parts



Liquid coating parts



Aluminium Extrusion Parts

Product Introduction – Notebook exterior cover



Sandblasting & Anodizing
OEM



Multi-color Anodizing

Product Introduction

Optics/ Security/ Communications exterior Parts



Mini projector cases



CCTV Cameras exterior cases



Mobile phone cases & Parts

Product Introduction

Acoustic Products Exterior Parts



Portable Bluetooth Speaker mesh



Headphone trim

Product Introduction – Anodizing of Automotive Parts



Anodized Valve Body



Anodized Aluminum Die-casting



Anodized SUV Roof Racks

03

Product Introduction Nameplate Division

Various Development

Flexible processes, select different materials and processes according to the customer's various requirements

How much budget do Project Manager and Purchasing Officer need to plan?

How much budget do I have to purchase this part?
How long is my product life cycle and how many quantity do I have?
What is our product market positioning?
I want good quality product and low price

What is the product designer concerning about exterior design?

What do I want to present?
Which color should I choose?
I want my product to be unique more special and better in the market

What is Product engineer think about products?

How can I design my component structure to be stable?
How to combine components to increase production capacity?
What tests do my products need to do?
After assembly, my products should be fixed and could long-lasting

Material selection?

Metal or plastic?
Or Plastic imitation metal?
Is there a requirement of environmentally friendly?

Are before and after processes selection matched?

Forming process options?
Surface treatment process selection?
Are processes selection sequentially matching?
Yield rate? Capacity?

Subsidiary materials?

Do the products need protective film?
Do the products need to be glued?
how to pack and to ship products to customers?



Nameplate Manufacturing Process

Selective the right combination of processes, converging customers appearance, cost and the various types of testing requirements



Stamping



Printing



Dome



Hairline texture



Electroforming



Anodizing



Liquid coating



Powder coating

Product Introduction

Automotive Nameplates



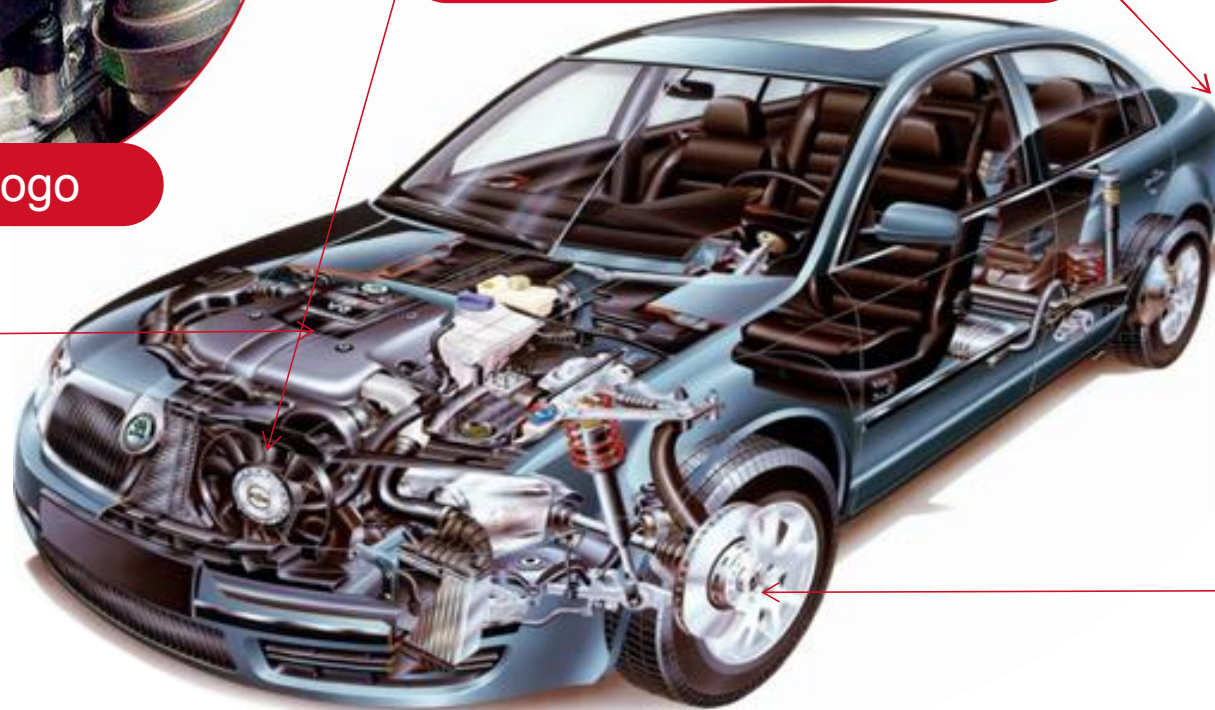
Engine Logo



Exterior Logo



Car wheel caps



Product Introduction – Automotive Nameplates



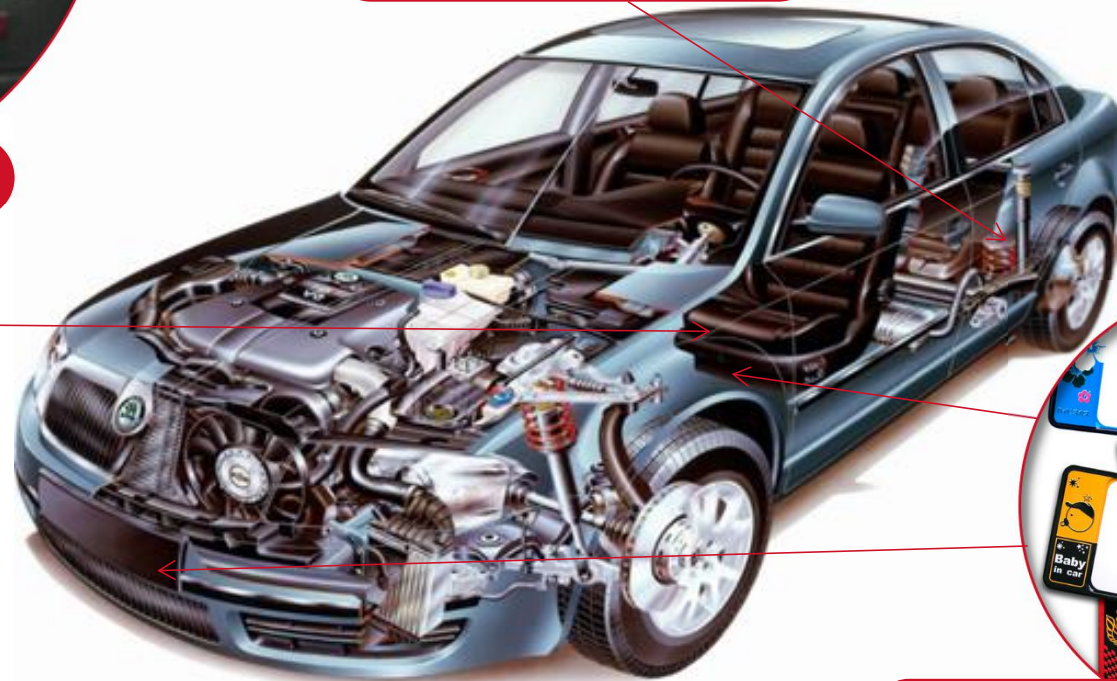
Car key emblem



Car carpet AI Logo



Airbag AI Logo



Decorative License Plate Frames

Product Introduction – Automotive Interior Accessories



Deluxe door panels



Car Scuff Plate



Automotive Interior

Product Introduction – Metal nameplate



Nickel electroforming



Etching two-color anodizing



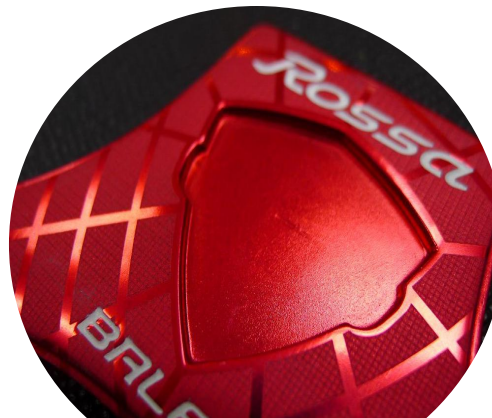
Dome label



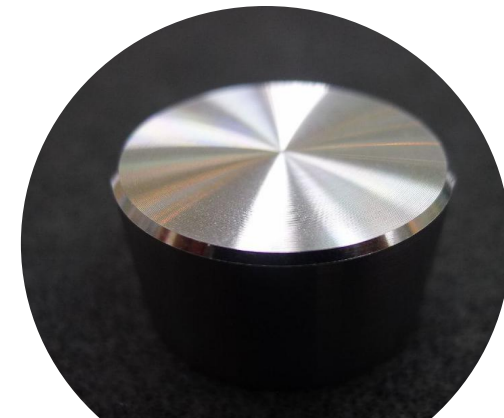
Dimond cutting Nameplate



Multi-color Printing



Laser engraving & Glue paint



Spin texture

Product Introduction – Plastic nameplate



Multi-color Printing



Imitation metal hairlines



Vacuum Plating

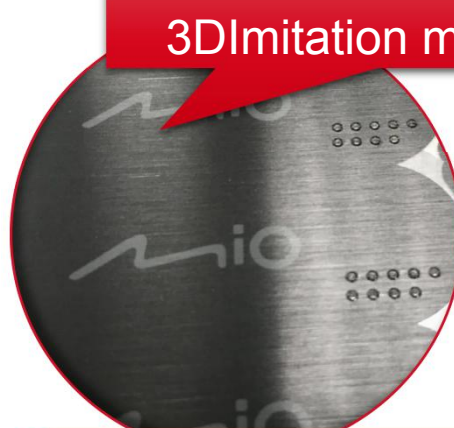


Membrane switch

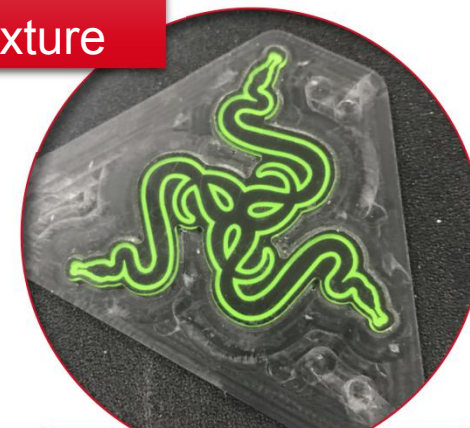
Customized
3D Imitation metal texture



PET Imitation Electroforming



NIL Nameplate



PMMA Nameplate

04

Quality Assurance System Description

Quality Management System Certification



ISO 14001



ISO 16949



ISO 9001

Testing Laboratory and Equipment Introduction

Apart from dimensional measurement, most of our equipment are certify appearance quality control and reliability after surface treatment



Chemical Laboratory



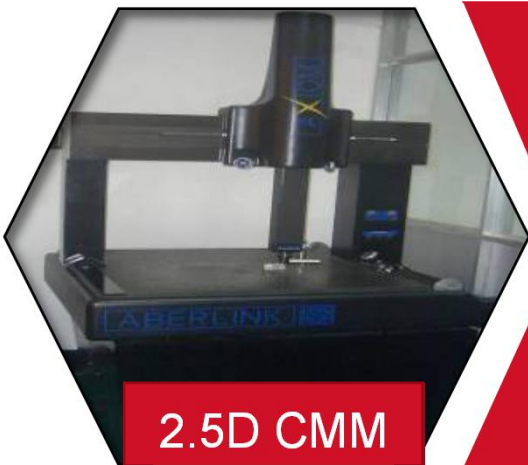
Fatigue Test



CASS Test



NSS Test



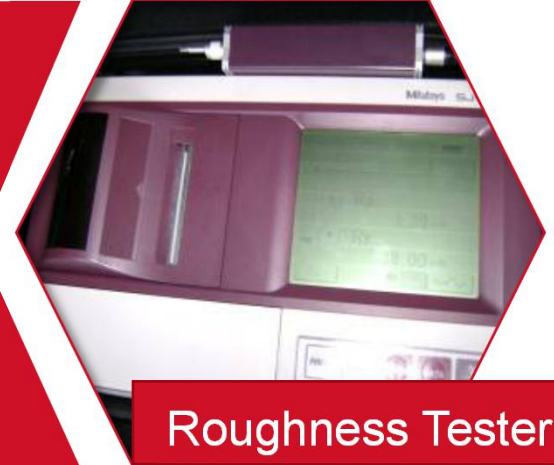
2.5D CMM



Colorimeter



Thickness Gauge



Roughness Tester

05

Sustainable Business

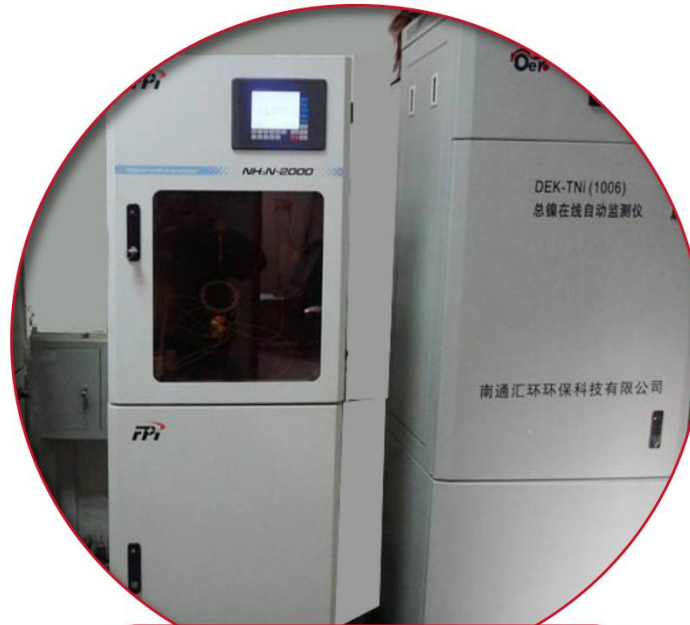
Sustainable Business – Environmental policy

- ✓ **Pollution prevention:**
Conform with environmental regulations
- ✓ **Recycling:**
Waste classification and utilization
- ✓ **Continuous improvement:**
Reduce resource consumption
- ✓ **Environmental conservation:**
Build up World class enterprise

Sustainable Business – Pollution Prevention



Privately owned wastewater treatment facilities



Government Online Network Monitoring



Water flow diversion

Sustainable Business – Recycling



Water recycling facilities



Garbage classification & Recycling



Separation Hazardous waste

Thank you for your attention

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