

UACJ Is Exploiting the Possibilities of Aluminum for a Better Future

Aluminum's diverse benefits

Smelting process

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    graph TD
      Bauxite --> Alumina
      Alumina --> VirginAl[Virgin aluminum]
      VirginAl --> Core[Core technologies]
      RecycledAl[Recycled aluminum] --> Core
      ScrapAl[Scrap aluminum] --> Core
      Core --> Tech[Technical development]
  
```

Benefits of aluminum

- Highly resistant to low temperatures
- Excellent electrical conductivity
- Reflects light and heat
- Resistant to corrosion
- Lightweight
- Non-toxic
- Easy to cast
- Strong
- Easy to recycle
- Attractive in appearance
- Comparatively non-magnetic
- Easy to machine and process
- Excellent heat transmittance

The UACJ Group's wide-ranging precision-machining processes

Precision-machining processes

Rolled Aluminum Products Business

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    graph LR
      Melting --> Casting1[Casting]
      Casting1 --> Rolling
      Casting1 --> Extruding
      Casting1 --> Forging
      Casting1 --> Casting2[Casting]
      Rolling --> Flat[Flat rolled products]
      Extruding --> Extruded[Extruded products]
      Forging --> Forged[Forged products]
      Casting2 --> Cast[Cast products]
  
```

Precision-machined Components and Related Businesses

Wrought Copper Products Business

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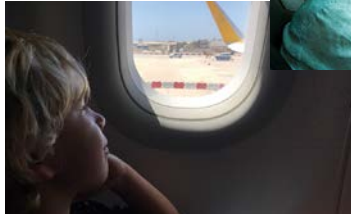
    graph LR
      Melting --> Casting --> Extruding --> Rolling --> Drawing --> Processing
      Processing --> Extruding
  
```

The UACJ Group's competitive advantages

- A long history of expertise in aluminum materials
- A supply network with a global reach
- An R&D network staffed by about 300 personnel
- Diverse human resources spread around the world
- Over 1 million tons per year of production capacity
- A manufacturing-oriented corporate culture

Diverse benefits of UACJ's products

Improve the safety and fuel efficiency of airplanes



Make automobiles lighter, reducing CO₂ emissions



Ensure the safe transport of LNG



Preserve food for long periods of time



Facilitates beverage can recycling



Allows sanitary pharmaceutical packaging



Transportation

Food and pharmaceuticals

UACJ's future direction

The UACJ Group will strive to maximize the possibilities of aluminum in ways that contribute to society and the environment.

Enable more functional and diverse smart devices



Enhance the performance of semiconductor production equipment



Improve the appearance of buildings



Industrial and consumer products

Foil products



Precision-machined components



Copper pipe products

