

# Aluminum Cast Plate Applications

## *Typical applications of alimex ACP products*

ACP 5080P, ACP 5080R, and ACP 7 are suitable for a wide range of applications across various sectors, including semiconductor manufacturing, mechanical engineering, packaging, medical technology, solar industry, mold making industry, and the automotive industry. ACP 5080, for example, is particularly suitable for reference plates, heating and cooling plates as well as index or vacuum tables, while ACP 5080R is primarily used for injection or thermoforming molds as well as robotics components or vacuum chambers. ACP 7 is ideal for durable plastic molds, compression molds as well as machine bases with high mechanical-dynamic requirements.

# Aluminum Cast Plate Applications

## ACP 5080P

- Reference plates
- Heating and cooling plates
- Mounting plates
- Base plates
- Side plates
- Index tables
- Router tables
- CNC milling tables
- Vacuum tables
- Assembly and processing devices
- Welding fixtures
- Vacuum clamping devices
- Vacuum chambers
- Injection molding tools
- Vacuum forming tools
- Inspection tools
- Thermoforming tools
- Drilling templates
- Measuring and testing gauges
- Thermoforming
- Medical testing equipment
- Inspection tables and tools
- Plates for line beam systems
- Medical and Pharmaceutical Equipment
- Devices for the automotive industry
- Machine base
- Aircraft components on ground
- Computer and electronic components
- Robotics components
- Milled parts
- Components for semi-conductor and solar production equipment
- Components for printing machines
- Components for packaging machines
- Components for food processing machines
- Sorting equipment
- Jigs and Fixtures
- Battery trays
- Skid plates for automation equipment
- Rotary tables

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## ACP 5080R

- Vacuum chambers
- Plastic molds
- Injection molds
- Molds for structural foam
- Thermoforming molds
- Compression molds
- Molds for fiber-reinforced plastics
- Composite molds
- Devices for the aerospace industry
- Robotics components
- Thermoforming tools
- Components for semiconductor and solar production
- Components for printing machines
- Foundry molds
- Components for packaging machines
- Rings for blown film lines
- Machine tombstones

## ACP 7

- Plastic injection molds
- Blow molds
- Compression molds
- RIM molds
- Resin transfer molds
- Thermoforming
- Machine base
- mounting plates
- Alternative to 7075 aluminum rolled plate
- Milled parts
- Machine base plates
- Molds with longer service lives
- Components with mechanical-dynamic loads

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