

# Press-Formed Heat Sink

- Mass Production
- Prototype
- Development

Precision

## Product Features

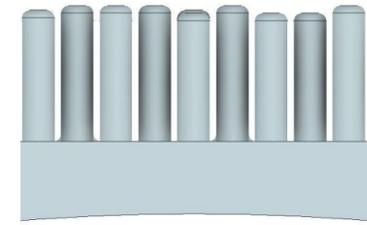
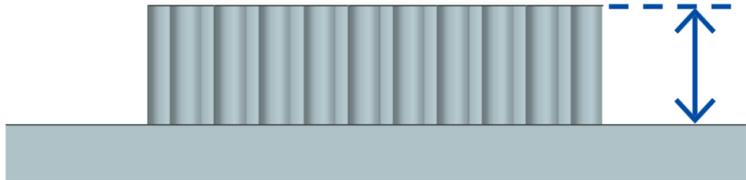
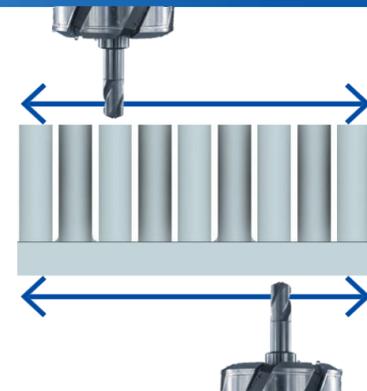
- Elimination of machining by high-precision press forming
- Adoption of materials with high thermal conductivity compared to casting materials (96 W/mK → 150 W/mK)

Aluminum Alloy	Thermal Conductivity (W/mK)
ADC12	96 ~ 120
A6000 series	150 ~ 180
A1000 series	230 ~ 240

Cold press forming using aluminum steel plates with high thermal conductivity

## Product Technology

- High-precision cold extrusion forming from aluminum sheets
- Optimization of die structures and high-precision forming analysis

Process	Current: Cast Product	Target: Pressed Product
Material Selection	ADC12	A6000 series, A1000series
Forming	Die Casting 	Cold Extrusion Forming <b>【Target】 Pin height: ± 0.1mm</b> 
Machining	<ul style="list-style-type: none"> <li>• Pin tips</li> <li>• Bottom surface</li> </ul> 	<b>【Target】 Flatness: 50 μm Max.</b> ※Elimination of machining