



JUNIOR
Heatsinks

ULTRA PERFORMANCE FIN

OPTIMISED PERFORMANCE ENHANCEMENT

Rising power densities combined with minimal installation space are increasingly pushing conventional cooling solutions to their limits.

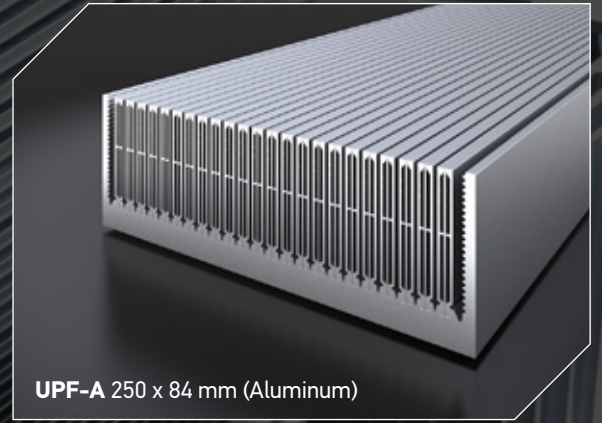
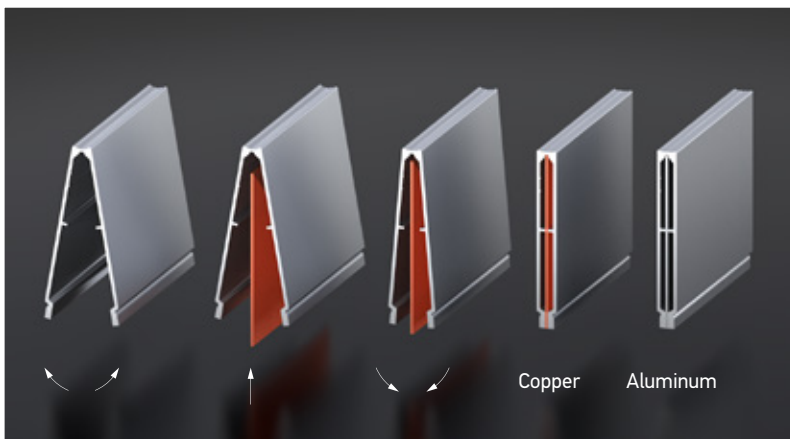
The basis for further development is the geometry of a standard high-performance heat sink, whose design advantages are specifically utilised to significantly increase heat dissipation.

The traditional structure is replaced, thereby increasing the effective surface area and thus improving thermal performance.

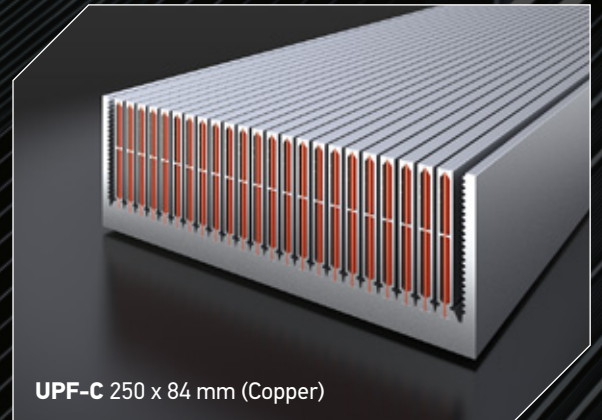
NEW PROCESS, MANY ADVANTAGES

- ✓ 50 % more surface area with the same pitch
- ✓ Up to 23 % increase in performance
- ✓ Hybrid construction with copper possible
- ✓ Custom configurations
- ✓ Flexible material positioning

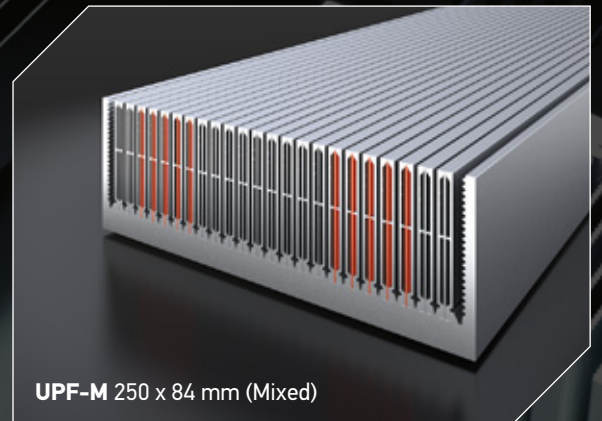
ASSEMBLY METHOD & RIB INSTALLATION



UPF-A 250 x 84 mm (Aluminum)



UPF-C 250 x 84 mm (Copper)



UPF-M 250 x 84 mm (Mixed)

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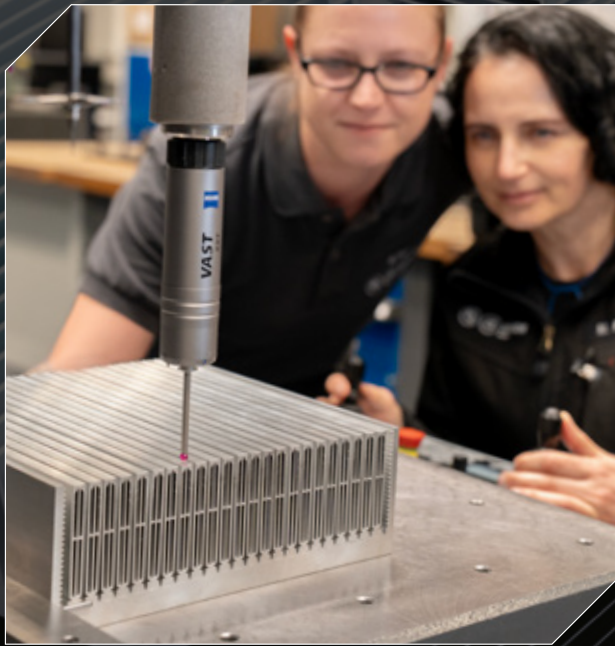
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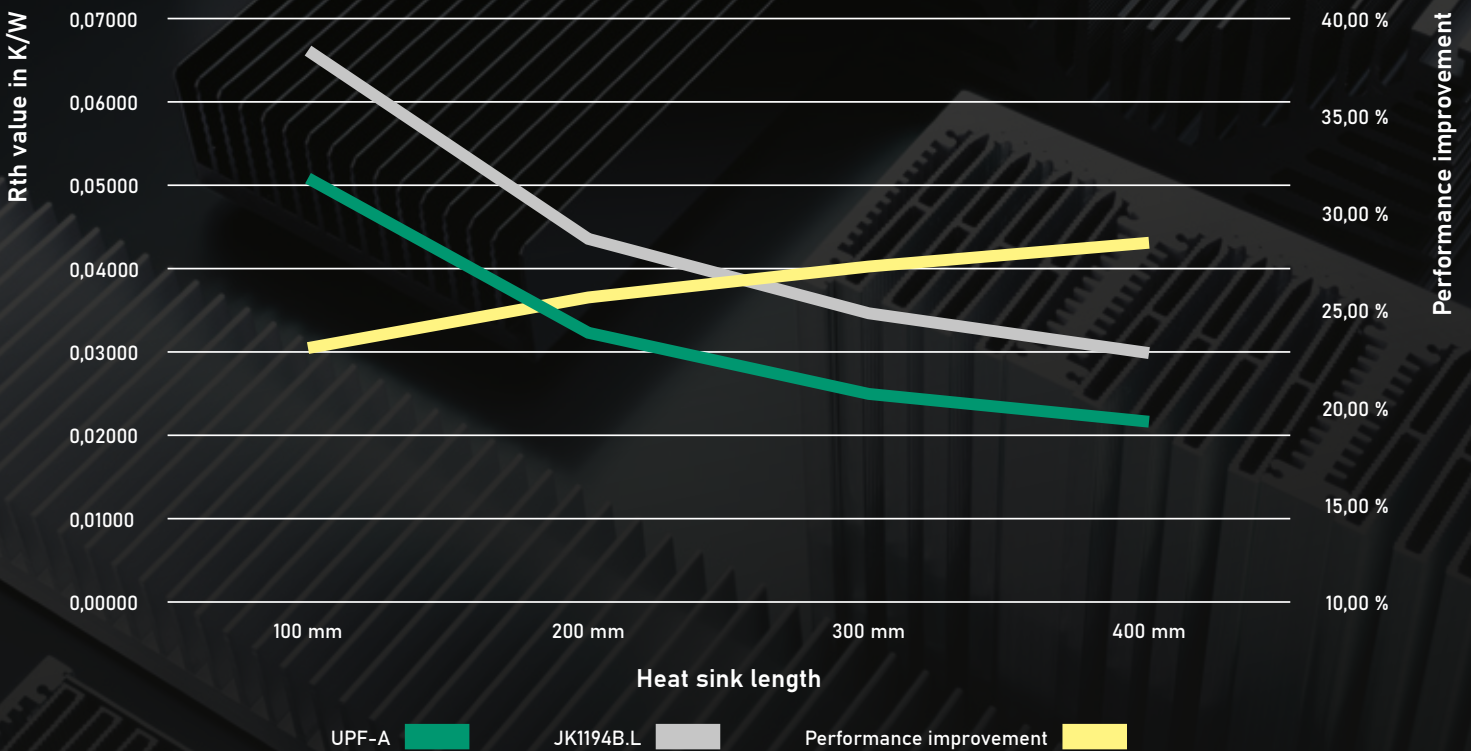
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Rth value across the length of the heat sink at an air velocity of 5 m/s



The thermal resistance values given for the heat sinks listed were determined using pre-chambers. These are guide values for heat dissipation over a large surface area.

They are not a substitute for practical measurements under real-world conditions, particularly with regard to the number, positioning and power density of the heat sources.