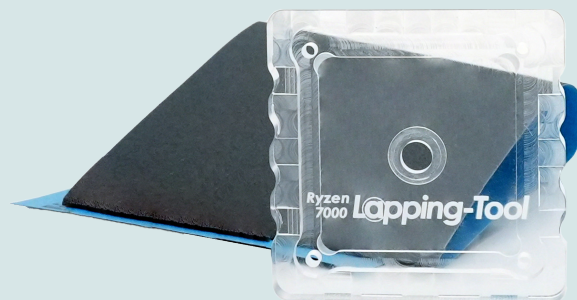


Ryzen 7000 Lapping-Tool

High Performance Cooling Solutions – Made in Germany

Thermal Grizzly advertises with the slogan "High Performance Cooling Solutions" and, in cooperation with mechatronics engineer and OC legend Roman "der8auer" Hartung, has once again substantiated this claim.

With a series of products for AMD's brand new AM5 platform, we are responding to requests from the overclocking scene, the so-called "tech-tubers" on YouTube and our partners in the industry. This includes, among other things, the Ryzen 7000 Lapping-Tool.



Short information

- Simplifies the grinding of the AM5 CPU
- CNC-milled acrylic glass
- Complete set with sandpaper
- Single use

Ryzen 7000 Lapping-Tool: Temperature advantages by grinding the heatspreader

The Ryzen 7000 Lapping-Tool was developed for grinding the heat spreaders of the AM5 processor series from AMD. The tolerances of the Ryzen 7000 Lapping-Tool allow a gradual grinding of the heat spreader by 0.4 millimetres, up to a total height of 1.6 millimetres. When using the normal AMD mounting frame (SAM), a maximum sanding of 1.0 mm is provided until the middle steps are reached. A further 0.6 mm is only possible if the CPU is mounted e.g. with a suitable AM5 Contact Frame (product to follow shortly). The steps of the Ryzen 7000 Lapping-Tool are diamond-milled to achieve a high degree of transparency. This makes it visible during grinding which steps have already been reached and which have not.

The US-American content creator and Tech-YouTuber "JayzTwoCents" was able to achieve up to 5 degrees Celsius lower temperatures with minimally higher boost clocks of all cores with a Ryzen 9 7950X using a 360 mm AiO by grinding the heat spreader. In combination with the Kryonaut Extreme thermal paste, even 10 degrees Celsius lower temperatures could be achieved (in comparison with commercially available thermal paste). Even with a moderate overclocking of all cores of the Ryzen 9 7950X to 5.4 GHz, the test system remained 4 degrees Celsius below the temperature limit of 95 °C.

These temperature improvements due to the grinding of the heat spreader are, among other things, due to the heat spreaders of the AM5 platform.

The heat spreaders introduced with Ryzen 7000 are thicker than the AM4 heat spreaders so that AM4 compatible CPU coolers remain compatible for the AM5 platform.

In addition, the surface area of the Ryzen 7000 heat spreaders is significantly smaller at approx. 910 mm² compared to AM4 with 1,300 mm².

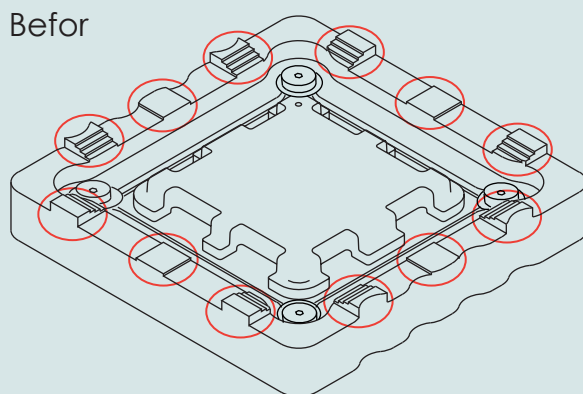
It should be noted that grinding the CPU will void the warranty. For the largest possible contact surface between the IHS and the base plate of the CPU cooler, the latter should also be ground.

Technical data

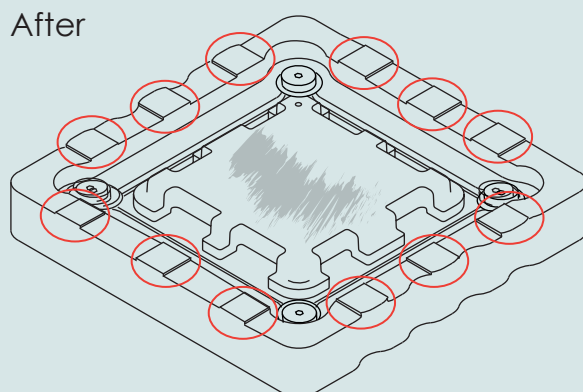
Unit:	Value/Description:
Material:	Acrylic glass
Colour:	Transparent
Typical Application:	Tool for grinding AMD Ryzen 7000 processors
Length:	60 mm
Width:	60 mm
Height:	9,3 mm
Package size:	21x15x4 cm
*Gross weight:	51g
*Net weight:	21g
Item number:	TG--LT-aR7000
EAN-Code:	4260711990724
PU:	7 Pcs.

*Net weight is the total weight of an article excluding the weight of packaging and accessories.
The gross weight refers to the total weight of the product including accessories and packaging.
Slight weight deviations are possible due to production factors.

Before



After



Scope of delivery

- 1x Lapping Tool
- 4x Screw
- 4x PU washer
- 1x Allen key 2,5mm
- 1x Sandpaper 400 grit
- 1x Sandpaper 1.200 grit
- 1x Sandpaper 2.500 grit

Trademark Information

Thermal Grizzly is a registered trademark.

Please note

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed as to release the users from doing their own tests and screening. No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data. Please consider contacting us for further detail. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.