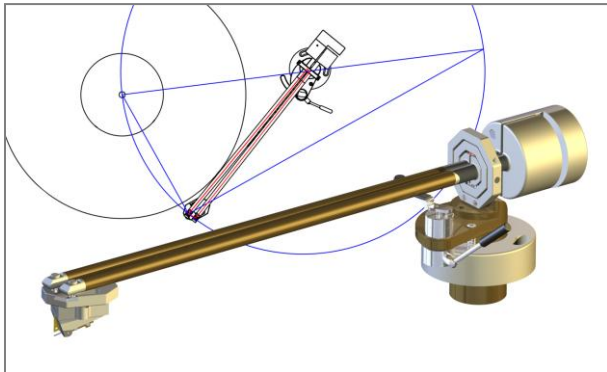


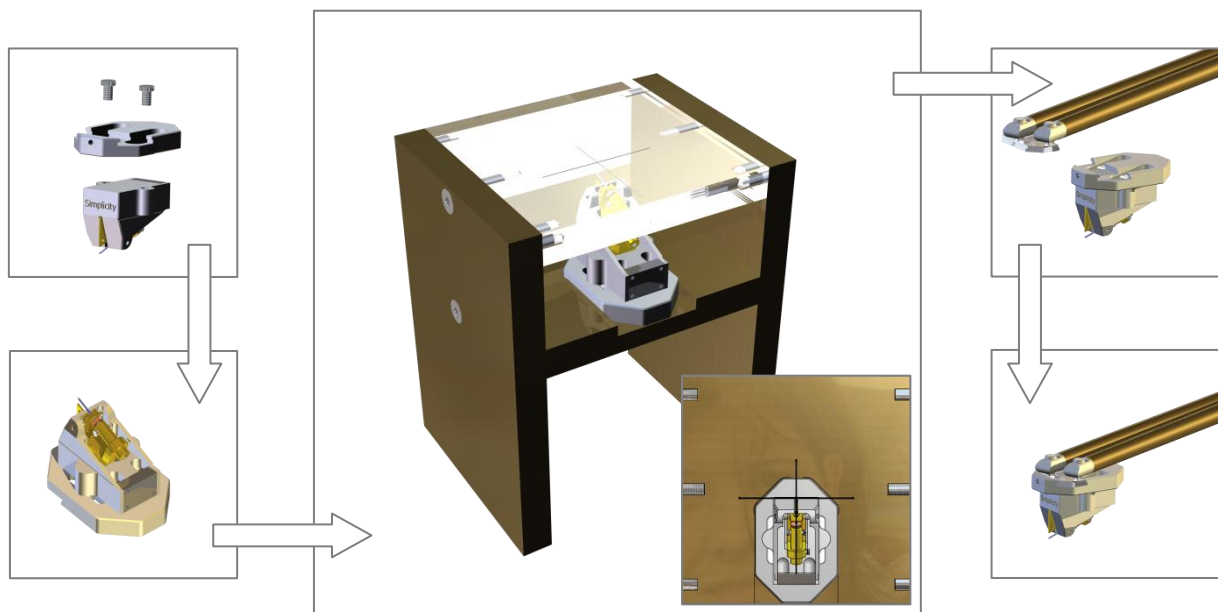
Thales Tonarm

Simplicity: No more tracking error. 0.008° is enough.

We are proud to present the fellow of the revolutionary Thales tonearm. By combining the arrangement of the two pathfinders – Burne Jones and Garrard Zero 100 – with the absolutely perfect geometry of the Thales tonearm, a new tetragon solution has become possible, which reduces the tracking error to a maximum of 0.008°. We agree – this value is too small to be of any interest.



But it might well be interesting that this tonearm uses the same bearing technology as the Thales tonearm. Six jewels and four subminiature ball bearings make sure that the friction and clearance are within our state-of-the-art tolerances. The intrinsic frequencies of the two tonearm tubes are carefully tuned up in inharmonic proportions to even top the damping properties of any single-arm design.



The Simplicity comes with a special tool to make sure the setup is as precise as the manufacturing is. The headshell can be taken apart easily for exact installation of the cartridge. The surfaces of the tubes are golden anodized, using 0.1 g of a specific salt per liter electrolyte. All side forces are balanced by two little magnets, integrated into the counterweight.

Tetragon Solution for tangential tracking

There is a small but mighty history in finding elegant solutions for tangential tracking of analogue records. Some of the inventors concentrated themselves on tetragon-geometry:

	<p>P. W. D. Burne-Jones</p> <p>He announced in 1953 a patent with a tetragon tonearm where the cartridge was mounted in the middle of one side. Burne-Jones sold tonearms under his own name, and his idea was adapted several times.</p>
	<p>Garrard Zero 100</p> <p>This tonearm, published in 1970, is the best known solution working almost tangential. The cartridge tip was mounted exactly below a pivot-point. This idea made it possible to reduce the tracking error to $+0.025 / -0.018^\circ$</p>

Even if this solutions are not to be mixed up with the Thales-Tonarm – as the Thales is working on a triangle instead of a tetragon – the experience with the Thales geometry made it possible for Micha Huber to even optimize the tetragon solution and reduce the tracking error to 0.008° which is three times less than all solutions published so far. This new geometry now made it possible to come very close to the perfect Thales geometry while using less parts and very elegant design.

