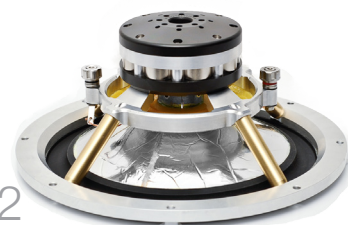
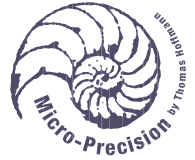


Micro-Precision Product Information 2012



Z-Studio Series 2012





2012. The year of refined technology

New standards set by Micro-Precision

Music is a powerful force.

Music can change your life,
Music can start a revolution.

Music can bring you down,
Music can make you understand.

Music can make you laugh.
Music can cause tears.

Music lets you know ... you are alive!

History

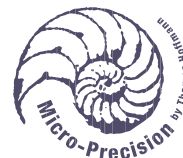
Micro-Precision was founded in 1999 to improve existing speaker technology. At the beginning Micro-Precision modified existing, well-known products. After some time, however, existing constructions began to restrict us and this became unacceptable. We decided to go our own way, irrespective of time and cost, because we were focussing on a new target: the construction of a 100%-precise product without the limitations of mass production.

Z-Studio was first developed in the year 2007.

Great expertise and investment in CNC technology gave us the ability to produce parts with „zero-tolerance“. The 44 CNC parts to build one tweeter have a tolerance of 1/1000mm. The construction is engineered and assembled in Germany at our own factory.



Micro-Precision Z-Studio Reference Tweeter. 44 fine mechanical parts. Handmade in Germany.



Technology

Now, after four years of research and development, the Z-Studio range includes five exclusive products which are bound to satisfy all listeners. All products are based on the same philosophy:

only a stiff, light-weight membrane can meet the acceleration!

The tweeter has a moving mass $< > 0.3$ gram. This extreme low-moving mass offers the possibility of reproducing every detail with full dynamics and without distortion.

The mid-ranges benefit because of the extreme stiffness from the resin foam between 6µm aluminium foil (patented 1935 in Germany and still produced in the 2nd generation).

This high-tech membrane is handmade and the average production quantity is 1 piece per day. The membrane contains more than 80% air in the resin foam.

This extremely low weight combined with a maximum of stiffness and perfect acoustical behaviour is achieved because the membrane is based on natural materials. Can you imagine using these perfect membranes in a perfect chassis? We could ... and we produced it using the finest CNC technology.



Production

To get the desired results, you need equipment you can rely on. Our machinery and measurements are at the highest level.

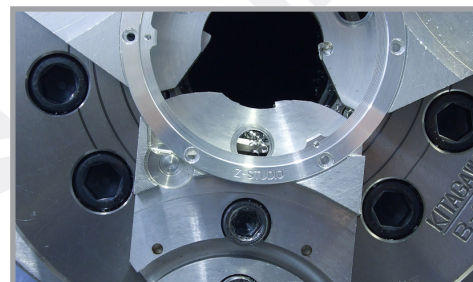
But before we complete the research phase and start making a new product, only one thing matters:

the sound.

Sound cannot be measured. For us there is only one way to decide, namely how much detail is reproduced by the driver. The more detail that can be achieved, the more precise is the acceleration and the driver construction.

And the more detail and fine dynamics achieved, the more the reproduction becomes real and exciting.

We have been working on the „details of music“ since 1999. The Z-Studio Range is our answer to demanding music lovers who are looking for detail and an absolutely authentic reproduction.



Models

The Z-Studio range includes five models to fulfil your demands:

1. Z-Studio TW - a mechanical masterpiece.
2. Z-Studio 100 - electrostatic mid-resolution.
3. Z-Studio 130 - fullbodied midrange.
4. Z-Studio 170 - fast bass and clear mids.
5. Z-Studio 245 - feel the size of instruments.

All these models can be combined because each item has a wide range of frequency responses and interacts with the next driver in a perfect way. In a multiple channel setup, it is important to have the possibility of working around the best point of frequency division. With the Z-Studio products, the area of possible frequency division is extended in a way you will not believe.



Z-Studio TW



Z-Studio 100



Z-Studio 130



Z-Studio 170



Z-Studio 245



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