

Jantzen diamond tweeter

Jantzen 1" diamond tweeter.

1" pure diamond dome tweeter, dome made of CVD diamond (Chemical Vapour Deposition)



Double magnet system delivers a perfect focused magnetic field in the air gap with maximum field density.
Additional rear magnetic shield cap - no harmful influences to nearby TV-sets.

Good damping and cooling of the voice coil due to low-viscous ferrofluid.

Very sturdy and low-resonant anodized alu front baffle plate.

Extreme diaphanous protection grill in front of the dome avoids damages.

Super lightweight and thin (about only 50µm thickness) diamond dome.

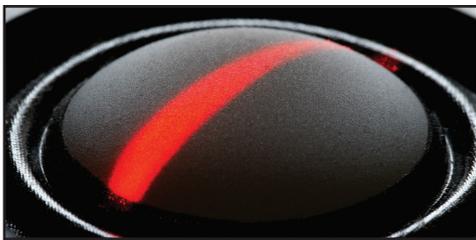
Copper cap above magnetic pole piece abates eddy-currents.

Dextrous damped pole piece drilling and rear cavity gives a low and well damped resonance frequency.

Very wide usable frequency range with super-low distortions even at high sound pressure levels.

Why diamond as dome material ?

Diamond has really extraordinary characteristics to audio reproduction, a speakers dome made of diamond delivers a maximum of resolution with simultaneous lowest possible distortions - the result is an absolute unique airy and silky music reproduction, free of noticeable harshness. Heretofore unheard details in music reproduction will be unfolded - but without the usual limitations!



Diamond is the perfect material for a tweeter diaphragm due to highest sound propagation (18Km/sec.) of all known materials.

Very low weight plus super high stiffness allows extreme accelerations of the dome in comparison to any other materials.

No break-up in unwanted resonances in the audio band and even an octave higher, no sound compression effects.

Diamond has the highest thermal conductivity of all materials, the dome surface supports cooling of the voicecoil.

All the above shown distinguished characteristics make the Jantzen Audio diamond tweeter one of the most outstanding audio parts in the world. Try it - it will give your listening experience a new dimension !

Jürgen Ultee, Germany



Ayon Audio is proud to present our brand new GosHawk "D" model in maple and other finish together with Jantzen Audio's new diamond tweeter, Z-caps and baked wire air coils.

We are using Jantzen components for this model and other models too, and we are excited about the sound performance. The Superior and Silver Z-caps are excellent, the baked wire aircoils are super and all together, we have achieved the very best result in combination with their new Jantzen diamond tweeter.

The diamond tweeter perform virtually no resonance, and the sound is transparent and smooth, uncoloured and distortion-free.

We are happy with Jantzen Audio supplying us with their high end products and excellent service.

Please study our website for more details: www.ayonaudio.com

OEM requests are welcome. www.jantzen-audio.com

JANTZEN AUDIO DENMARK