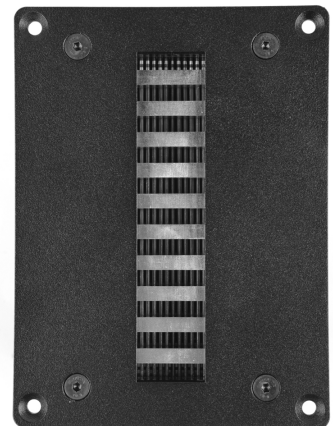


## **TD-TPL Improving the high definition sound**

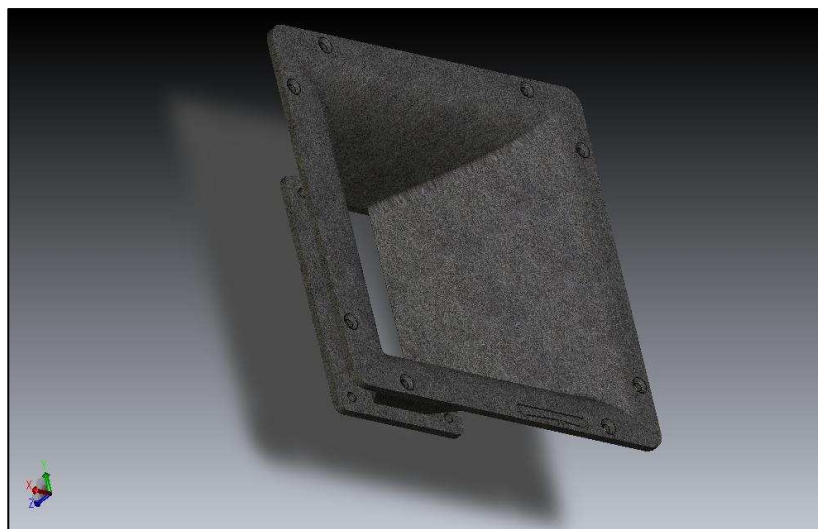
Beyma introduced last year a new type of component for the professional sound, bringing the highest sonorous quality of the most demanding audiophile to the world of live music. This type of high frequency transducer is based on the AMT technology (Air Motion Transformer). In this type of transducers, invented by the German physicist and Nobel Prize Oskar Heil, the generation of the sound takes place in a very different from the habitual one in ribbon tweeters.

The advantages of this type of tweeter can be summarized in:

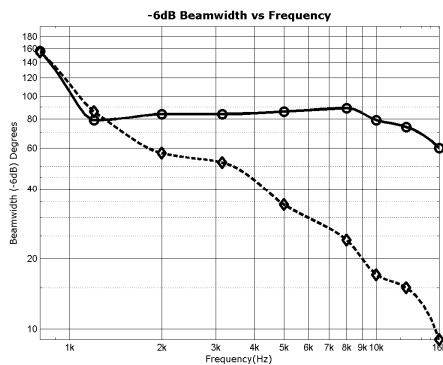
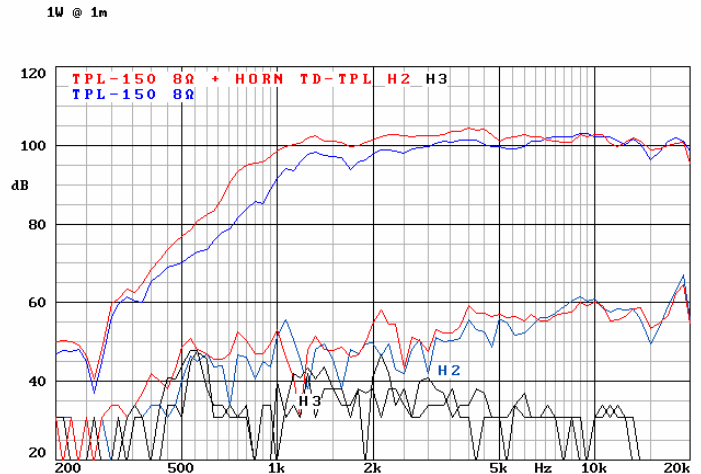
- Radiation surface four times the one of a tweeter or an equivalent compression driver, thanks to its folded geometry.
- Mobility transformer of air (Air Motion Transformer) because it causes in the air a speed four times greater than the one of the folds themselves (relation 4:1).
- This confers an enormous dynamics and an incredible transient response, vastly superior to that of any conventional tweeter, including ribbon tweeters and compression drivers.



Now Beyma is introducing a horn especially designed to improve sensitivity and directivity in the mid range. The new horn will be made in cast aluminium in order to avoid undesired resonances, and will help the TPL to deliver an outstanding quality in mid/high and high frequency response for professional applications.



As can be seen in the frequency response curves, when coupling the horn, the frequency response of the TPL-150 is clearly improved in a wide range of frequencies. The result is a more linear response as well as an increased SPL in all its frequency range. It is also important to note the real low harmonic distortion level in the range between 1 and 5 kHz, the most sensitive region for human hearing:



There is also an important improvement in the directivity pattern; its constant directivity characteristics ensure the ability to cover 80° wide horizontally and 30° wide vertically at virtually any frequency within its operational range.

Using the complete solution (TPL-150 and TD-TPL) will be an authentic alternative to the conventional compression drivers in the PRO field when looking for superior sound quality applications. This will contribute with an enormous added value to any sound system that incorporates it. The sonic quality, timbre, definition and clarity of this product is simply amazing.

### ***THIS IS THE KEY FOR HIGH DEFINITION SOUND***

This new model will be introduced in the next PRO LIGHT & SOUND show in Frankfurt between March 12<sup>th</sup> and 15<sup>th</sup>.