

BGO Array

Product Description:

Dimensions of BGO crystal array and pixel are customized based on request, gap between each pixel is generally set at 0.1 mm, while the Barium Sulfate(BaSO_4) was used as separator with excellent reflection, by which photons, excited by gamma rays, can hardly cross it into the neighboring pixel, ensure the minimized cross-talk.

Regular properties of BGO Array:

Array size: 4 x 4, 8 x 8, 16 x 16, 23 x 23, 43 x 43 pixels...etc

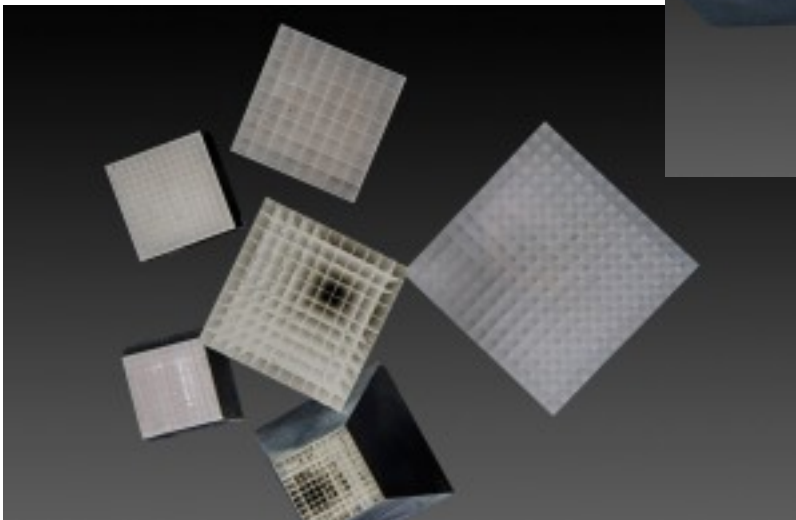
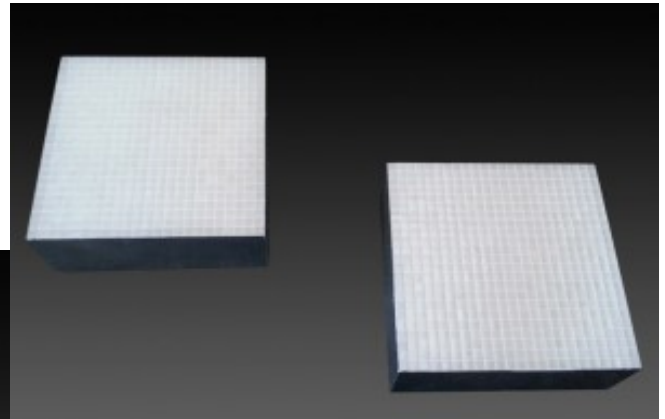
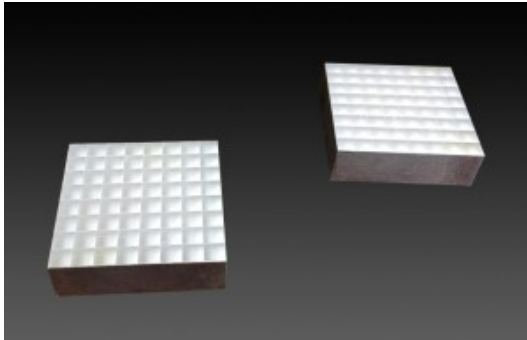
Pixel size: 1 x 1 x 10 mm, 2 x 2 x 13 mm, 3 x 3 x 15 mm, 4 x 4 x 22 mm.....

Gap between each pixel: 0.1 mm generally

Reflector: Barium Sulfate(BaSO_4)

Pixel light uniformity in arrays: <15%

Examples



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