

PERFORMANCE IMPROVEMENTS IN MINIATURE X-RAY TUBES

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Moxtek is the manufacturer of the MAGNUM® miniature x-ray source, used largely in portable x-ray applications such as handheld XRF. Moxtek has released a Next Generation MAGNUM® tube that has increased x-ray flux and a smaller, more tightly controlled beam spot – all within the same size envelope as Moxtek's standard tube. Full characterization data such as spot size, spot stability, flux stability, turn on speed, power consumption, power efficiency, and other key metrics for miniature x-ray sources will be presented.