Manson Mark V X-ray System: A tool for laser diagnostic and target analysis

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The main role of the x-ray characterisation team at AWE is to support operations of the ORION laser facility, using the varied x-ray facilities available to us. The Manson mark V system is one such facility that is used regularly for the characterisation of low energy x-ray diagnostics used in laser plasma experiments. The system can also easily be modified to facilitate the qualification of laser targets through radiography techniques. This poster describes some of the achievements of the Manson system and improvements we hope to make to it in the future.

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