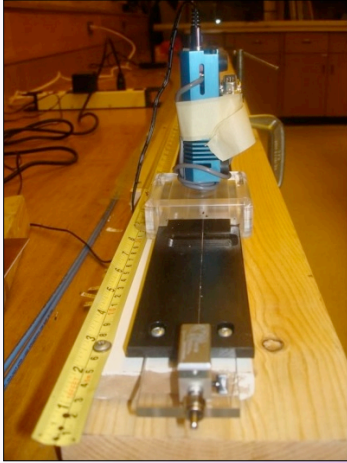


Scintillating Fibres



Fibres arrive packaged, boxed and sealed. A sample of fibres is tested for attenuation length and the number of photoelectrons.

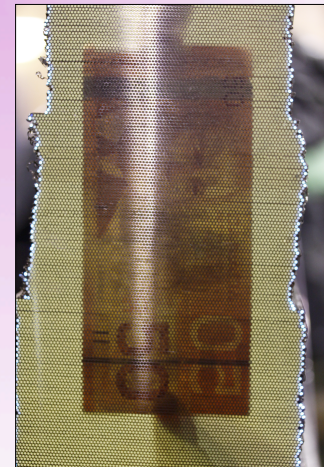
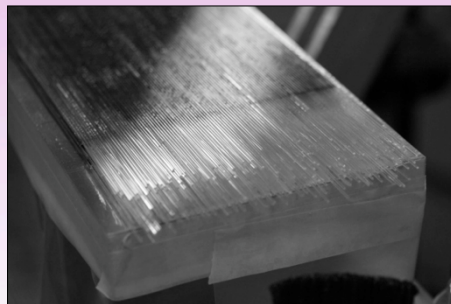


Fibres are counted and bundled according to the width of the layer. Each bundle is carefully laid onto the epoxy covered matrix, and each fibre is pushed into a separate groove.



Each layer of the matrix consists of two layers of optical epoxy, one layer of fibres, and one sheet of lead.

Optical epoxy is used to adhere the fibres to the lead sheets in the matrix. Each fibre corresponds to a groove in the lead sheets below and above the layer of fibres.



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