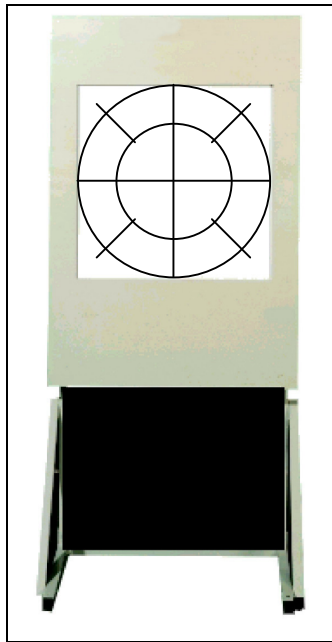


SHOTGUN SCATTER ANALYSER



When a shotgun is fired, it is often necessary to analyse the pattern of pellet dispersion for forensic or scoring purposes. This is done typically by firing at a large card or paper target with varying chokes and cartridge types. The resulting hole patterns in a given piece of card may be analysed to measure dispersion by manual means, however this is time-consuming and prone to error.

The Shotgun Scatter Analyser operates by presenting a paper target of nominal area 1m x 1m. The operator fires at the target and then presses a key to advance the paper through the built in image analyser.

The image from the camera is used to measure the hole shape parameters, area and positions. Due to the complex mathematical algorithms being used, sub-pixel accuracy is possible, giving precision measurement over the entire area.

In the past, a typical trial would take many hours to analyse fully. With the Shotgun Scatter Analyser, such analysis is reduced to a matter of a few seconds, enabling the user to fire subsequent shots in quick succession.

SPECIFICATION

PROCESSOR	(Minimum)	TARGET	
Processor	P-4 Dual core 3.0 GHz	Height	1800mm
Memory	2 Gbyte	Width	1200mm
Hard Drive	160 Gbyte	Depth	150mm
DVD ROM/RW	DVD/CD-RW Combo	Target area	1000mm x 1000mm
Printer	HP Deskjet		
Software			
Operating System	Windows XP Pro		
Application	Target Scoring software	Paper Roll Length	25m