



XY SCANNING

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XY scanners allow the maximum optical scanning resolution to be obtained at any position on the scanning bed, something that the early generation of CCD scanners could not manage. It means that the bed can be filled with multiple originals which can be scanned at maximum resolution in a batch. This is another nail in the coffin of drum scanners, which have always been able to beat CCDs on multiple image productivity until now.

The ability to scan a large area at maximum resolution is also important for copydot scanning, where existing halftone screened film scanned so it can be used in an all digital workflow.

In an XY scanner, the scanning head physically travels across the short dimension of the scanning bed and can position itself under any original. The head travel provides the 'X' dimension. The 'Y' dimension is provided by either moving the bed over the lamps and mirror, or moving the head down the length of the bed.

Some of the scanners who use XY technology are:
Purup-Eskofot, Dainippon and Scitex.

QUESTIONS ON XY SCANNING

- (1) What is the main feature of XY scanners?

- (2) Name an advantage of XY scanning?

- (3) Where is XY scanning used?