

Image scanner vs OMR Scanner

Optical Mark Recognition can be realized using both dedicated OMR Scanners and Image (document) scanner. Here is a comparison of two devices concerning OMR applications:

OMR Scanner



PROS

- Fast and accurate reading.
- Proven technology tested and used over many years.
- May present optional features special to OMR: Second output tray for forms with error, Interactive printer for printing application specific output on scanned forms

CONS

- Require strictly specified forms and markers.
- Forms may expand/contract because of weather conditions, leading to incorrect reading.
- Forms cannot be photocopied.
- It's not easy to design and print forms.
- Not cost effective.
- Requires professional maintenance.

Image Scanner



PROS

- Very cost effective
- Forms can be duplicated using office printers and copying machines.
- Form and marker specs are more flexible.
- May present more functionality: OCR, ICR and barcode reading, collecting image clips.
- There are many alternatives (mark and model) for scanner selection.

CONS

- Requires separate software for OMR processing
- Too dark or too light prints or scans may cause incorrect reading. Adjusting sensitivity may be hard for the end user.

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