



Designed for versatility, accuracy and speed from Color, Grayscale or Black & White forms, Dunord's OMR program (Optical Mark Recognition) and suite of tools offers support for traditional 40/48 forms with timing marks; forms with black reference marks; and for colored forms with no timing or reference marks.

The OMR suite comprises 4 basic components:

- a form definition program
- an OMR batch program (or OCX)
- an optional scan program
- an error form edit program

Designed for large volumes, the Dunord solution works at high speed – on a 2.6 Ghz PC, the engine will process over 250,000 marks per second.

Comments from customers



Victorian Electoral Commission

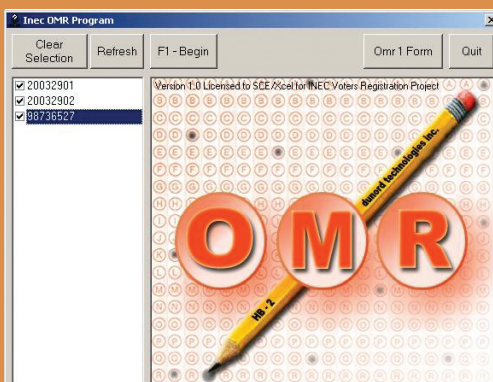
Dear Serge,

I thought I would update you on the status of this project. We completed all scanning of all rolls in approx 2.5 weeks and recently sent out the failure to vote notices. We have not (to date) received many calls from irate voters claiming that they did in fact vote which suggests that the scanning\OMR technology has been accurate. Below are some metrics:

- We used 4 SCAMAX\TwinScan\Dunord-OMR solutions
- Scanned a total of 6483 rolls across the 4 scanners.
- There was in excess of 500,000 pages scanned across all 4 scanners
- We captured approx 2.4M marks from about 200,000,000 possible positions
- All scanning & OMRing was done in 2.5 weeks

Thanks for all your help and support. In retrospect we set very aggressive timescale and still managed all the scanning\OMR without having to work extra long hours.

Simon Hancock
IT Manager, Victorian Electoral Commission



Independent National Electoral Commission

We scanned over 90,000,000 forms in three months. The results from the Dunord OMR program met our expectations in both time to process and accuracy.

Before selecting the OMR software for this project, we evaluated two other OMR software. Considering the constraints imposed by both the form layout and the poor condition of the forms, the Dunord solution was by far the fastest, most accurate and offered the best cost/benefit ratio.

We were particularly impressed with Dunord's willingness to work with other vendors to ease integration of their software into the workflow.

Dean Lategan
Project Manager, Xcel

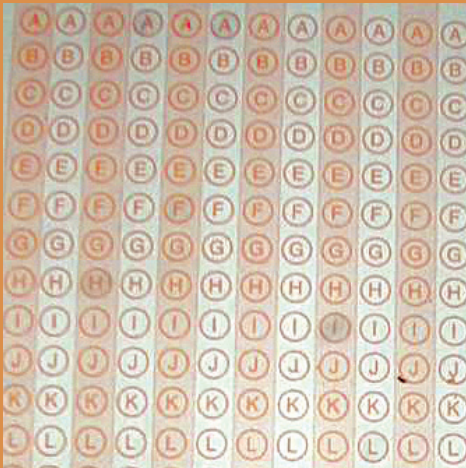
Optical Mark Recognition is still an inexpensive and reliable way to gather information, but there are a number of forms or environments where traditional hardware based capture mechanisms do not provide the best solution.

Traditional OMR Scanners do not deal well with modern forms



Dedicated OMR scanners are fast and relatively accurate as long as the forms are in good condition, the marks well made with a soft pencil, and all the required data being available as marks. However, modern forms often contain more than marks to be penciled in. For example, voter registration will often contain biometric data (photographs, fingerprints, signatures, etc...) which must be captured as well.

Problems occur outside normal environments



Forms filled in outside a controlled environment are often mishandled which damages the actual form and the images. In addition, the marks are not well formed – people will use a hard pencil simply because hard pencils don't require as much sharpening as the softer pencils that are usually recommended – and can be quite faint.