PhotoScribe® PS970 Series Scanners:
Guarantee accurate results with real-time intelligent hardware solutions.

Overview

Designed and manufactured by DRS, the PhotoScribe® PS970 Series offers a range of document scanners with real-time data capture including OMR, automatic processing and sorting.

Encapsulating imaging and variable audit trail printing, the DRS hardware solutions are integral to all of our data capture projects.

Specification Highlights

FORM	DIMENSIONS
Nominal Form Size	297 mm x 210 mm (A4)
Minimum Form Size	200 mm x 90 mm
Maximum Form Size	356 mm x 227 mm
Maximum Form Size	457 mm x 227 mm (Long Sheet Mode)

THROUGHPUT

Scanner Speeds up to:
10500 forms per hour (A5)

9000 forms per hour (A4)

7500 forms per hour (356 mm x 227 mm)

5000 forms per hour (457 mm x 227 mm)

RESOLUTION / DEPTH

200 dpi
256 Levels of greyscale

Why choose a PS970 scanner?

Unlike traditional document scanners that only produce an image from which data is later extracted, the DRS scanners allows an application to:

• retrieve data and images from a form while still in the reader

• control what is overprinted on the form

• take further conditional actions and collect additional data and images dependent on real-time decisions as forms are scanned

• reduce error correction costs and significantly increase accuracy

DRS works with clients to design and print specialist high quality forms through its secure print facility ensuring maximum efficiency and accuracy are maintained throughout the data capture process.

Where would I use a PS970 scanner?

As a robust network-ready product, the scanners are typically used for high volume data capture projects that include, but are not limited to:

- multiple choice answer forms for examinations, assessments and surveys
- national population census
- examination script processing
- voter registration
- complex ballot counts

Data capture options available from DRS

OMR
The most cost-effective and accurate method of collecting simple category information from forms in high volume or time-critical environments.

Image Clipping
Capture a range of image clips at different resolutions from a single form, save to disk or retain in memory for real-time processing. For example, capture a high resolution image clip in greyscale at the same time as a lower resolution bitonal image of the entire form.

Barcodes
Reading a range of barcode formats to identify a form type, uniquely identify a particular form within a batch, and determine the orientation of a form as it is scanned.

OCR
The PhotoScribe® PS970 interprets machine printed text in real-time.

Audit Trail Printing
Print a single line of variable characters along the length of each form in any horizontal position.

Software

Application specific validation, flow control and general data processing is provided by the software used to control the PhotoScribe® PS970 scanners.

The firmware in the PhotoScribe® PS970 handles all interaction with the operator, which means the application does not have to deal with the complexities of handling multiple sheets and exception processing.

Simple custom programmes can be written in a wide range of common languages to control real-time validation, sorting and writing of data to files or databases.

Networked or Standalone

The PhotoScribe® PS970 Series is built on a Microsoft Windows platform. This makes it very easy to integrate into any standard networked IT environment, retaining all of the usual security features and access controls. Alternatively, use as a standalone scanner and store data directly to the high capacity internal drive.

It is the combination of all these key features that makes the PhotoScribe® PS970 Series scanners an efficient and effective solution to many document processing challenges.

The benefits of PhotoScribe® PS970 Series

Efficient and Effective

The PhotoScribe® PS970 Series is designed with an 'open paper path' to allow for quick and easy resolution of paper jams without damaging forms.

Double Detection and Automatic Re-feeding

The PhotoScribe® PS970 Series not only detects double feeds instantly, but automatically re-feeds the sheets back into the reader using the built-in doubles removal system minimising operator intervention and maximising throughput.

High Capacity

Equipped with 600 sheets input hopper and three output stackers, the PhotoScribe® PS970 Series is designed to process a large number of forms at high speed, whilst separating out anomalies and any other forms for application specific purposes.

High Quality Processing

• sophisticated features ensure consistent, high quality images are captured using Contact Image Sensor technology

• quality checks are applied, in real-time, as each form is processed to ensure quality issues are detected and resolved at source

• the 'dynamic normalisation' feature ensures text and images are always of the best possible contrast and quality. This also improves the compression of data, thus reducing total data storage needs and bandwidth requirements.

Saves Time

Consumable items, such as the transport feed rollers or carriage printer ink are easily accessible and quick to replace minimising maintenance downtime. The doubles detection and removal system reduces the need for costly and time-consuming corrective actions later in the process.

Get accurate results every time with DRS PhotoScribe®
Series intelligent scanners.

Next Steps:

To find out more about how PhotoScribe® Series scanners could work for you:

1 Book a one-to-one pre-evaluation demonstration with our technical experts today: **www.drs.co.uk/demo**. We'll focus on areas relevant to your organisation, making the whole process as productive as possible for you.

2 Access our Knowledge Centre: **www.drs.co.uk/knowledge-centre** where you will find extensive resources that demonstrate DRS' proven track record of delivering high volume, time-critical and secure data capture projects.

Visit **www.drs.co.uk/solutions/hardware/specification** for scanner specification including speed and paper sizes.

3 For more information about the hardware solutions available from DRS, simply go to **www.drs.co.uk/about-us/contact-us**.

DRS Data Services Limited
1 Danbury Court
Linford Wood
Milton Keynes
Buckinghamshire
MK14 6LR
United Kingdom

Telephone: +44 (0)1908 666088
Fax: +44 (0)1908 607668
Email: enquiries@drs.co.uk

www.drs.co.uk