



PS1000

Large-scale intelligent
scanning at the touch
of a button.



Introducing the PS1000: scan, process and sort high stakes data with ease

Our new PS1000 scanner represents 50 years of scanning expertise, distilled into our most advanced, accurate, robust and fastest scanner ever. Using DRS's award-winning scanner know-how, the PS1000 is scanning reinvented for the next generation of data capture.

Processing up to 225 sheets a minute, our ultra-fast scanner can handle a wide variety of paper types with ease whilst requiring minimal operator intervention. It's specifically designed to handle complex, large-volume image and data capture including real-time processing of data extracted from document images and OMR.

This intelligent high-volume production scanner contains the latest technology, essential for successful high stakes data processing.

The PS1000: redesigned and reimagined for large-scale intelligent scanning

INTELLIGENT

Real-time data capture allows scan time resolution of errors and intelligent sorting.

VERSATILE

Includes OMR, OCR, barcode recognition and advanced image scanning including colour and multiple clips, plus the ability to write your own software to control the scanner in real-time.

ACCURATE

Highly accurate doubles detection means you never need to worry about missed forms and data from double feeding.

ROBUST AND RELIABLE

Built to withstand the harshest of environments, the PS1000 uses all metal components for increased durability. The image heads are contactless to ensure long life and minimal maintenance costs.

COST-EFFECTIVE

Boosts efficiency through all stages of your document management workflow, year after year, with minimal maintenance costs.

EASY MAINTENANCE

Document feed rollers, printer ink and other consumables are all easy to access and replace, without the need for engineers, minimising cost and downtime.

IMPRESSIVELY FAST AND EFFICIENT

Seamlessly scans up to 225 sheets a minute, even with a mixed batch of paper types. Large input hopper takes up to 1000 sheets at a time. World class paper handling means fewer stoppages, greater efficiency and productivity.



What makes the PS1000 different?



DRS's experienced technicians and engineers have taken a totally fresh approach to this machine, redesigning it from the ground up to give users more versatility, higher levels of accuracy, faster data capture, processing and sorting.

Our experience in the field provides a unique insight into the pinch points of real-time data capture, enabling the design of a problem-solving solution that will reduce maintenance and staff costs.



INTELLIGENT

The PS1000 is designed to capture high stakes data with ease and accuracy. Data and images are processed in real-time as forms pass through the scanner, capturing OMR, OCR and barcode data all at the same time.

This real-time data capture is what makes the PS1000 intelligent, allowing customers to easily develop actions that can be performed as each form is scanned depending on the data captured e.g. stop the scanner to allow operators to verify or key missing data, sort forms into different output hoppers and/or print a variable data audit trail on to the form using the optional audit trail printer.

Should a double feed occur, not only is this guaranteed to be detected by the state-of-the-art ultrasonic detectors that detect the tiny air gaps between sheets, but the scanner also automatically reverses and separates the two sheets before continuing scanning with no operator intervention required.



As double detection relies on ultrasonic rather than paper thickness detection this allows the PS1000 to scan a mix of paper weights in a single batch.

ULTRA-FAST

The PS1000 scans up to 225 sheets a minute. The active input hopper automatically adjusts to feed paper in at the optimum angle, and takes 1000 sheets at a time, for less frequent refilling. The open paper-path allows quick and easy access to resolve paper jams without damaging the forms. The double detection and automatic refeed features ensure every page is processed, limiting operator intervention and maximising throughput.

VERSATILE

Use the PS1000 for OMR, imaging or both, depending on your needs. Thanks to our intelligent interface and integrated Windows 10 PC, you can develop your own applications or use your existing software.

Scan up to 300dpi with no worries about data storage: the PS1000 uses Dynamic Normalisation to ensure text and images are always of the highest quality and contrast, whilst achieving impressive data compression. Our full colour scanning capabilities mean you can now choose virtually any colour for your OMR forms, without being drop out constrained by limited 'drop out' colours.

A massive 1TB local storage allows images and data to be stored locally on the scanner. Alternatively, as the PS1000 is a Windows 10 PC, it can be easily added to any network so images and data can be scanned directly to networked servers.



COST-EFFECTIVE

The PS1000 boosts efficiency through all stages of your document management workflow.

It's cost-effective to run and maintain and you'll benefit from lower staff costs, due to high speed capabilities and less time spent loading paper or clearing jams. The PS1000 has lower total cost of ownership (TCO) than any comparable scanner. The ongoing cost of consumables, such as pick wheels and transport wheels, is less than older models, saving you money over many years of ownership.

ROBUST

Because of our extensive experience providing scanners across harsh environments, including Africa and India, our machines are incredibly robust. They are built to withstand high temperatures and dusty or humid conditions with metal components for unparalleled durability. The PS1000 is built to last and is superbly reliable. Many of our previous generation scanners are still in service after 20 years.

UNPARALLELED EASE OF USE

The PS1000 is so simple to operate first time users can be up to speed in under 30 minutes. With minimal manual intervention needed, fewer staff are needed to operate the PS1000. With single button operation, it couldn't be easier to get a full complement of scans in record time.

SIMPLE MAINTENANCE

The PS1000 is incredibly easy to maintain: simply dust the heads regularly and change the pick wheels as necessary. DRS's approved resellers install your scanners and provide all the training you need. Our after sales service means we're always available to help, should you need more advice or assistance.

FUTURE-PROOF

When you invest in a data processing system, you need it to have a long lifespan. With Microsoft Windows 10 OS and DRS's legendary build quality from a company that has been in the scanning business for 50 years, the PS1000 is designed to serve, not for years, but for decades.

MOVEABLE

Whilst we would not describe a 70kg scanner as portable, the PS1000 is relatively easy to move with two people, should you need to relocate it. Ergonomic grab handles make carrying the PS1000 safe and secure when necessary.

SEAMLESS TRANSITION

When you upgrade from a PS900 series scanner to the new PS1000 you'll be up and running in hours, as the PS1000 is fully backward compatible with all software that runs on the PS900 series scanners.

Specification

Model	PS1000
Speed	225 sheets per minute (300dpi images) Up to 13,500 forms per hour
Document Size	Minimum size: 150mm x 70mm Maximum size: 310mm x 300mm
Paper Weight (Thickness)	80 – 120gsm
Scanning Technology	CIS (Contact Image Sensor)
Illumination	Dual LED Illumination
Output Stackers	3
Stacker Capacities (80gsm)	Stacker 1: 1000 sheets Stacker 2: 200 sheets Stacker 3: 200 sheets
External Dimensions	750mm depth x 1000mm width x 700mm height
Weight	70kg
Scanning Mode	Simplex or Duplex
Document Feeding Mode	Ultrasonic multi-feed detection Automatic double removal with automated retry Automatic jam detection with position reporting



Paper-Path	Open paper-path for easy access
Built in Microsoft Windows® PC	Yes
Power	Maximum consumption: 300 watts supply: Universal 100 – 250V 50-60Hz
Operating Environment	Temperature: 10°- 35°C Humidity: 40% - 80% (non-condensing)
Operator Controls	Colour 5" LCD Touch screen control 2 x Multi-function operator buttons Power Standby button Computer Keyboard and Monitor

Built in Windows® PC Operating System and Platform	Operating System:	Microsoft Windows 10 Pro 64 Bit
	Mainboard:	Industrial Standard ATX x 86 platform
	Processor:	Intel Core i7 2.3GHz
	Memory:	16GB DDR3
	Storage:	HDD SATA, 1TB
	Ports:	4 x USB-A 3.0, 2 x USB-A 2.0 Mouse: USB / PS2 combo Serial Ports x 2 (D9) Video: HDMI x 1, 1 x SVGA (D15), Display Port x 1 Network: 1 x RJ45 Ethernet
	Network:	10/100/1000 Base-T
Interfaces		PhotoScribe® interface
Image Features	Optical Resolution	Up to 300 dpi greyscale or colour
	Image Output Types	JPEG; TIFF; BMP; RAW memory
	Text Recognition	OCR support
	Barcode Types	2 of 5 interleaved, Code 39, Code 128
	Max Barcodes	64 mixed per data request

OMR Features	Format	Duplex, Software selectable: European standard (5 tracks per inch, 40 data tracks) USA standard (6 tracks per inch, 47 data tracks)
	Barcode Types	Interleaved 2 of 5, Code 39, Code 128 and Codabar
	Barcode Orientation	Vertical or horizontal
	Max Barcodes	64 per side
	Sheet Routing	Real-time sheet sorting based on OMR and barcode data
	DRS SOS Decode	Compatible
In-box Accessories		Power cable, keyboard, mouse
Bundled Software		DRS SOSKit package for OMR
Warranty		12 months
Approvals		CE





DRS - THE DATA CAPTURE EXPERTS

With a history spanning five decades, DRS is the world leading data capture company, providing a total solution for all data capture, processing and sorting needs.

From design and printing of forms, to the manufacture of easy-to-use data scanners and custom software, DRS handles it all for you, ensuring a seamless experience from start to finish.

DRS's scanners are researched, developed and manufactured at our UK plant, using the highest quality components for durability and ease of use. We use durable metal components because they are the best, as our customers value accuracy and resilience over small initial cost savings.

DRS is the examination processing and electronic marking specialist, owned by AQA, the largest awarding body in the UK. As a pioneer of electronic marking solutions, DRS's e-Marker® offers a variety of modular and scalable electronic marking approaches for awarding and professional bodies. Our industry-leading scanners support our mission to deliver large-scale solutions for examination processing and electronic marking.

With a network of approved resellers across the world, to support installation and maintenance, our after sales service is second to none.



When speed and accuracy are key, you need the completely redesigned PS1000. Please get in touch to find out how our best-in-class scanner could work for you.

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