

Quantum DS

Reader/Sorter Replacement

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The Quantum DS was made to be a modern replacement for full-sized reader/sorter machines, retaining the most important capabilities at a fraction of the size and cost. With a rated speed of up to 200 documents per minute and 12-pocket sorting, it is the perfect choice for high-volume batch processing.



4-LINE INKJET ENDORSER

A rear inkjet endorser prints up to four lines of text or graphics and supports True Type fonts and various foreign fonts. The endorser provides two operator-selectable height adjustments and three print quality settings.

12-POCKET SORTING CAPABILITIES

The Quantum DS comes with 12 sorting pockets, each with a 200-item capacity. The operator may remove documents from the pockets while the unit is in operation, improving overall productivity. Status indicator lights on each pocket let users know when full (yellow) or ready to accept documents (green). Pocket sorting decisions can be based on MICR, OCR, image quality (front and/or rear), or a waterfall pattern.

UNLIMITED CONTINUOUS FEEDING

The auto-feeder holds up to 300 documents at a time, and more items can be added while scanning is in progress. The exit pockets can also be emptied while the machine is running, allowing potentially unlimited continuous scanning. In "waterfall" mode, the Quantum DS fills each pocket without sorting and then moves on to the next one, giving it a capacity of up to 2,400 items at a time.

KEY FEATURES & BENEFITS

- › Capture Items at up to 200 DPM
- › 300-Item Input Feeder
- › 1-to-4-Line Inkjet Endorser
- › 12 Pockets With up to 200-Item Capacity Per Pocket
- › Compatible With Previous Quantum Models
- › Continuous Feed - Add Documents and Empty Exit Pockets While Machine is Running

COMPATIBILITY

Digital Check recognizes the importance of stable production environments for meeting high-demand service agreements. The Quantum DS is compatible with previous generations of our legacy Quantum machines.

SMART (REPLACEABLE) COMPONENT DESIGN

The Quantum DS shares most components in common with other models in the SmartSource® scanner family. The important parts are also user-replaceable - a key design choice in the high-wear, high-volume environments that it was built for.

EXTENDED LIFESPAN & DUTY CYCLE

Most desktop scanners tend to have a duty cycle that tops out at 1,000 or 2,000 items per day, but the Quantum DS will keep going for 25,000 or even 50,000 and beyond.



Let's get in touch!
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Technical Specifications Quantum DS

Scanner Dimensions (12-Pocket Configuration)

Height 8.80 in (22.5 cm) **Width** 13.50 in (34.3 cm)
Length 49.30 in (125.2 cm) **Weight** 59.5 lbs. (27.0 kg)

Scan Speeds - Documents Per Minute (DPM)

Up to 200 DPM

Document Input and Output Pockets

Entry Pocket Up to 300-item hopper capacity
Entry pocket automatically opens for ease of use
Double document detection

Exit Pocket Up to 200 items per pocket

Image Sensors

Resolution 300 dpi

Light Source Tri-Color LEDs

Front & Rear Image Capture

Image renditions available

- Bitonal (black/white)
- Gray level (256 gray shades)
- Color (24-bit, RGB)

Image resolutions available

- 300 dpi color
- 240 or 200 dpi, bitonal
- 240, 200, 120 or 100 dpi, gray level

Image capture combinations available

Front image capture (up to three images)

- 300 dpi, color (BMP)
- 240 or 200 dpi, bitonal (CCITT)
- 240 or 200 dpi (full resolution), gray level (JPEG)
- 120 or 100 dpi, gray level (JPEG)

Rear image capture (up to two images)

- 300 dpi, color (BMP)
- 240 or 200 dpi, bi-tonal (CCITT)
- 240 or 200 dpi (full resolution), gray level (JPEG)
- 120 or 100 dpi, gray level (JPEG)

Inkjet Endorser

User-replaceable ink cartridge (up to 600 dpi printing, 1-4 lines)

Three (3) levels of print quality available (economy, standard, or premium)

User-programmable text and graphics

Operator-selectable height adjustment options

Magnetic MICR Read Options

Auto-detect reads intermixed E13B and CMC7 documents

Optical Character Recognition (optional)

(2) OCR codelines selected under application control

Fonts: OCR-A, OCR-B, E13B

Barcode recognition (Requires OCR reader)

2 of 5, 3 of 9, UPC, GS1

Productivity Functions

Feeder start/stop SmartClear button

Connectivity

High-speed USB 2.0 cable and power supply included

Application Programming Interfaces (API)

CAPI for QDS

Ranger for Quantum DS (available from Silver Bullet Technology Inc.)

Supported Operating Systems

Windows 11, Windows 10 (32/64 bit)

Power Requirements

100-240 VAC @ 50/60 Hz

Operating Power 330 W

Standby Power 3 W

Environmental

Operating Temperature 59° - 104° F (15° - 40° C)

Operating Humidity 20 - 85% non-condensing at 40° C

Certifications

Safety UL, cUL, CE

Emissions FCC: Class A, ICES-003, CE, VCCI

RoHS Compliant



Part Numbers

QDS20012-SYS

(Quantum DS with 12-pocket sorting and inkjet endorser)



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