



Epson and Banking



“In partnering with Epson for the on-going supply and implementation of more than 200 passbook, slip and receipt printers, we found ourselves working with a vendor that was able to deliver in all the key areas of product quality and reliability, commitment to partnership, and a strong understanding of the banking industry’s unique requirements.”

Jack Nelson

Head of Strategy and Planning
Asia, Pacific and Partnerships Technologies
Australia and New Zealand Banking Group Limited

Epson responds to the challenge

Epson leads the way in highly reliable open architecture teller automation products that reduce operating costs, simplify training and speed transactions, from simple validation to imaging for Check 21.

In the United States alone, over 250,000 Epson transaction printers are in use by some of their country’s most reputable leading banks and financial institutions. Add to this, tens of thousands of printers being used by banks and post offices throughout Europe and South America.

Epson can offer:

- A single solution, offering a wide range of reliable printers for receipts, cheques, forms, slips and validations
- Reliability
- Legacy system integration
- Upgrade path
- Check 21 compliance
- Photo ID technologies to help control the increase in B2B fraud
- Industry-leading 99.8% MICR accuracy and integrated TranScan digital imaging technology
- A future-proof investment with Epson’s Connect-It® interface technology

Epson technologies

Epson enables banks to maximise their technology investments by offering a range of solutions that enable increased efficiencies and lower operating costs. Whether you’re looking to streamline cheque processing, reduce fraud or improve printing performance, Epson technology solutions can help you meet your goals.

ProofPlus Photo ID Capture

Epson’s ProofPlus ID scanning technology is built into our TM-J9000 imaging transport/prINTER for banking. It lets you capture a complete image of a customer’s ID card at the teller window, bringing greater protection against loss due to bad cheques. In the USA banks must adhere to stringent federal requirements to secure the identity and address of new account holders and customers originating funds transfers. By using the Epson TM-J9000 with ProofPlus ID imaging technology, banks can capture an image of each customer ID as part of any desired transaction, and store these images along with the transaction number.

Led by the Japan-based Seiko Epson Corporation, listed on the Tokyo Stock Exchange, the Epson group reported consolidated sales of 1549.6 billion yen for the fiscal year ending 31 March, 2006.

The group's success is testament to its great strides in developing unique and groundbreaking technologies that have had enormous positive impact in many areas.

Since its formation in 1983, Epson Australia and New Zealand have gained for themselves a leading position in the supply and support of high quality and extremely reliable imaging products.



TransScan

Epson's exclusive TransScan technology is integrated into our TM-J9000. It is the only printer that has all the features needed to bring Check 21 to the teller station. It captures a two-sided image of a cheque in a single pass, and integrates seamlessly into the tellers existing workflow. And, because it performs image capture, cheque truncation and transaction proof and balance at the point-of-service, banks will speed cheque processing, minimise teller error and reduce cheque-handling fees.

The Epson TM-J9000 with TransScan provides virtually error-free MICR reading of cheques at a rate far superior to stand-alone imaging devices. In addition, with Epson's precision TransScan technology, banks can virtually eliminate the risk of double-fed cheque images and their associated losses.



TM-J9000

QuickPass

Epson's innovative QuickPass technology is built into the Epson TM-H6000III multifunction transactional printer. QuickPass reads MICR, prints and endorses a cheque in a single pass, shortening cheque printing time up to 50% over traditional cheque flipping methods. Printers using the cheque flipping technique employ a mechanical device to move the cheque through the printer and flip it over to print the other side. These mechanical devices increase cheque processing time and decrease the rate of cheque jamming. Epson's QuickPass cheque processing technology includes a second print head for cheque endorsement, eliminating the need to flip the cheque. With its dual head design, QuickPass provides one-pass cheque processing that increases throughput by 30% to 50%, eliminates cheque jamming and increases overall printer reliability.



TM-H6000III

Connect-It®

Epson's unique Connect-It interface technology gives Epson transactional printers more connectivity choices than any other printers available today. The Connect-It concept was based on the need to bring modern printing performance to older transaction terminals. By installing a simple interface board into the Epson printer, banks can bring specialised performance to their legacy systems while postponing costly system upgrades. From IBM to custom legacy system emulations, from serial to wireless interfaces, from smart card readers to PIN pads, Epson's Connect-It interface family lets you benefit from state of the art printing features on both legacy or PC-based systems.

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Specification

MICR

The MICR line is the band extending across the bottom of a cheque, printed with a special MICR ink. The MICR line is divided into five distinct data fields. All fields but one are regulated as to size and content. The remaining non-regulated field is the one that often poses problems for MICR readers.

This challenging field is called the "On-Us" field, and normally contains:

- the maker's chequing account number
- the cheque serial number
- other processing code information unique to the bank the cheque is drawn on

The resulting wide variety of data presentation across the country presents a challenge to the manufacturers of MICR readers. Despite the challenges, over 66 billion financial documents are machine-processed each year, the Epson's TM-J9000's successful read rate is nearly 100%.

Check 21

Check 21 is an electronic conversion of the paper cheque. This conversion allows the banks to transfer monies using the electronic cheque image rather than waiting for outdated transport methods to carry the paper cheque between clearing centres.

Check 21 speeds up cheque processing times and allows the banks to save millions of dollars on reduced operational costs.

TM-H6000III

Ultimate Hybrid Multifunction Thermal Printer

Features:

- High-speed quiet thermal printer- up to 200mm
- Partial 45-column slip printer
- 2-colour receipt capability
- Automatic Status Back feature for real-time status of printer conditions
- Exclusive QuickPass™ high-speed check processing with 99.9% MICR accuracy
- Connect-It® interface options
- MCBF of 72 million lines
- Drop-in validation
- Up to 200mm
- 1 year warranty



TM-J9000/J9100

Multifunction Inkjet Printer with Cheque Imaging & ID Scanner

Features:

- TransScan 2-sided cheque imaging
- 25-cheque auto feeder with double cheque detection
- Drop-in validation
- 1- or 2-colour, crisp, quiet inkjet printing
- ProofPlus ID card scanner
- Printed and electronic endorsement
- 30 documents per minute
- Designed for Check 21
- MICR reader and OCR support standard
- 1 year warranty



PLQ-20

Passbook Printer

Features:

- Ability to handle passbooks
- Print speed up to 480cps
- Easy system integration
- Flexible connectivity - Parallel, Serial and USB or Dual Serial and USB
- Simple set up and operation
- Optional space saving kit
- Auto document alignment, width and thickness detection



TM-T88IV

Single-station Thermal Printer

Features:

- High-speed quiet thermal printer - up to 200mm
- 256K nonvolatile memory for graphic logo storage
- Drop-in paper loading
- Connect-It interface options
- MCBF of 52 million lines
- 2-colour receipt capability
- 2 year warranty
- Up to 200mm
- 3 year warranty



TM-J7100/7600

Multifunction Inkjet Printer

Features:

- Fastest POS inkjet printer in its class - up to 17.0 lps
- 2-colour receipt capability
- 384K nonvolatile memory for graphic logo storage
- SEAJet® technology, advanced inkjet printing at 40% less power
- SmartPass™ technology reads MICR, prints and endorses cheques in a single pass
- Connect-It interface options
- MCBF of 50 million lines
- 1 year warranty



TM-U325

Single-station Impact Printer with Validation

Features:

- High-performance dot matrix printer - up to 3.5 lps
- 9 lines of validation
- 4KB data buffer
- Connect-It interface options
- MCBF of 49 million lines
- 1 year warranty

