

Currency Inspection and Validation

The Chinese Federal Banking System uses a system of 1 printing location, 14 distribution centers, 30 treasuries, 365 central banks, 3,600 commercial banks and 2,000 local banks. At each transfer (print to distribution or treasury to central), bank note bundles are inspected for correct markings, value validation and forgery.

These inspections are currently done through a manual process and lead to losses estimated at \$8 to \$12 billion, or 260,000 tons. The scrap and opportunity cost of the losses are approximately \$2,000/ton.

THE BOTTOM LINE

Using Microscan's **Visionscape®** inspection system, the banking system has recovered approximately 20% of the losses. Based on a 7-year ROI, the return on the implementation of the automated vision inspection is conservatively over \$300 million.

■ Problem:

Chinese Federal Banking System scraps printed currency and has forgery loss rates of approximately 260,000 tons per year

■ Project:

Implement an automated vision recognition system to improve forgery capture and reduce scrap loss during printing and receiving verification

■ Solution:

Visionscape® GigE Solution with NERLITE® Lighting

■ Result:

Automated inspections eliminated human errors and dramatically reduced scrap and loss rates

MICROSCAN®

www.microscan.com

Product Information:

info@microscan.com

Auto ID Support:

helpdesk@microscan.com

Vision Support:

visionsupport@microscan.com

NERLITE Support:

nerlitesupport@microscan.com