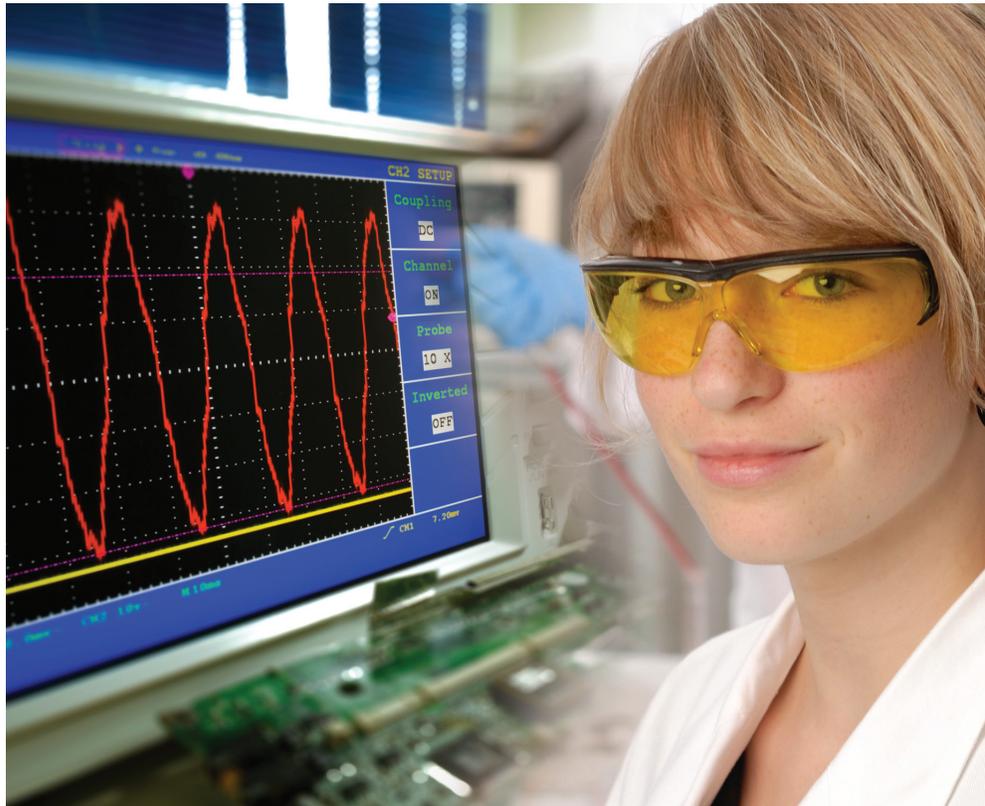


Testing Services

**WE'RE YOUR 3rd
PARTY TEST LAB
FOR SMARTCARD,
MOBILE, AND
BEYOND**



- Contactless Card, Mobile EMV, HCE Level 1 Certification Testing
- EMV Precertification and Debugging, Card, Mobile and HCE
- Card Reader and Component Testing
- ISO 17025 Certified Tests
- CQM Testing Services
- ISO/IEC 7810, 7811, 7816, 14443, 24789 and 10373
- ANSI/INCITS 322
- Chip Card Characteristics
- Third Party Verification for New Card Materials
- X-ray Failure Analysis
- New Card Materials
- Physical Card Characteristics
- Digital and Electrical Testing

Ask us about our laboratory grade test equipment for your quality lab.



Payment Brand Testing

- Visa Contactless Card Level 1, Mobile Contactless Level 1 and HCE Level 1
- Mastercard CQM
- American Express Card Durability
- Amex L1 Contactless Card

EMV, NFC and HCE

- EMV Level 1 Certification Testing for Contactless and Mobile, Analog and Digital
- EMV Level 1 Precertification and Debugging Testing for Contactless and Mobile, Analog and Digital

Smart Device Testing

- Chip Testing
- Contact & Contactless Card
- Mobile Wallets/NFC
- Wearables
- EMV and Custom Applications

Environmental Simulation

- Resistance to Heat
- Resistance to Chemicals
- UV Exposure
- Card Dimensional Stability and Warpage Related to Temperature and Humidity
- Wear Test on Magnetic Stripe
- Card Warpage

Mechanical

- Opacity
- Peel Strength
- Surface Profile of Magstripe
- Dimensions of Cards
- Adhesion and Blocking
- Bending Stiffness
- Dynamic Bending Stress

- Dynamic Torsional Stress
- Magnetic Stripe Warpage
- Magnetic Stripe Adhesion
- Surface Roughness of the Magstripe

Consulting

- New Product Design
- Quality Control
- Improved Reliability
- Payment System Analysis and Advice

Physical Card Testing

- 3 Wheel Testing for Chip Cards
- Electro Static Discharge (ESD)
- Impact Resistance
- Abrasion Resistance
- Embossing Retention
- Component and Material Adhesion
- Card Flatness and Profiles
- Card Dimensions
- Card Bend and Torsion
- Corner Impact
- Static Stress
- R and R Gauge

Magnetic Stripe Testing

- 300, 650 Oersted and high coercivity (hico) stripes
- Signal Amplitude and Jitter
- Tracks 1, 2, 3, 4, (ATB) and central track
- Custom Track Location
- Testing per ISO/IEC 7811-2, 7811-6, and 10373
- Hico and Loco
- Magnetic Stripe Adhesion
- Custom Sizes, Materials and Testing
- PTB Reference Testing
- AAMVA Driver License
- Start Sentinel

ISO 17025 Certified Tests

- Environmental Simulation
- Mechanical
- Electrical



Certification Testing

- EMVCo
- Visa
- ISO/IEC 17025

Standards

- AAMVA Driver License
- ANSI INCITS 322
- EMVCo
- FIPS 201
- ISO/IEC 10373
- ISO/IEC 14443
- ISO/IEC 24789
- ISO/IEC 5629
- ISO/IEC 7810, 7811, 7813, 7816
- ISO/IEC 8295
- Mastercard CQM and CSI

Barcode Testing

- ISO 15415, ISO 15416, ISO 15426
- 2D, 3D
- Many Symbologies and Applications

Terminal and Component Testing

- Reader Reliability
- Magnetic Heads
- Chips and Antennas

New Material Verification

- Green and Sustainable Materials
- Metal Cards
- Metallic Inks



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Q-Card is



ISO 9001
Compliant

800-717-8007