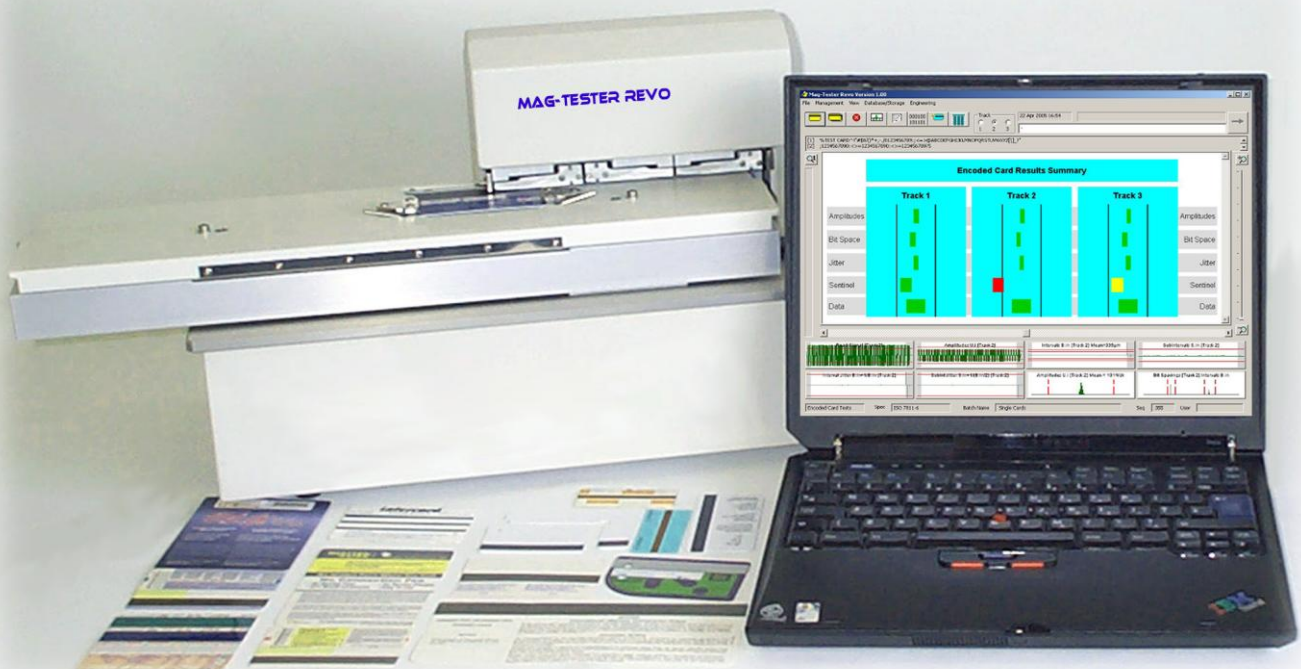


BARNES INTERNATIONAL

MAG-TESTER REVO

A REVOLUTION IN MAGNETIC STRIPE ANALYSIS

- **WIDEST CAPABILITY** -ALL TYPES & SIZES of MagStripe Cards, Tickets, ATBs, Bankbooks
- **ULTIMATE ACCURACY** -CERTIFICATION STANDARD -Unique optical linear encoder technology
- **FULL CONFORMANCE** -MEETS the ISO/IEC 7811-2-6-8 & 10373-2, JIS, IATA, etc Specifications
- **SO EASY TO USE** -FULLY AUTOMATED tests and operations
- **UNIQUE DURABILITY** -ISO/IEC TEST HEADS ARE PROTECTED; automatic head loading and track positioning yielding significantly reduced head wear rates
- **SUPERB SOFTWARE** -NEW WINDOWS SOFTWARE for Win 2000, XP, Vista and **Windows 7**. Complete comprehensive Test and Statistical Analysis features



- Media of all sizes, shapes and thicknesses – all Specifications
- ID1 (CR80), Edmunson, TFC up to 4 track ATB, any Stripe location
- Cards, Tickets, MiniCards, Curved Cards, Transparent Cards, unbroken Gift Cards, etc
- **Unencoded & Encoded, High & Low Coercivity – plus 650 Oersted materials**
- Highest measurement accuracy available – Certification Standard
- ISO/IEC7811-2-6-8 (7811-7 ready); ISO/IEC 10373-2; JIS; IATA 722e; Custom Standards
- Advanced Windows® software - PC controlled Fully Automatic System - USB PC connection

The **MAG-TESTER REVO** is perfect for any magstripe manufacturing, bureau or QC environment. It is the most accurate laboratory Certification level Test Tool

Reliable, quick and easy to use by **PRODUCTION AND QC PERSONNEL**
Precise and comprehensive analysis for **DEVELOPERS & EXPERTS**

MasterCard.
Vendor Program
2009 Participant



VISA
Visa Partner Network
Participant

The superb **MAG-TESTER REVO** joins Barnes' globally accepted Mag-Tester 3000 to complete a magnetic stripe analyser range for every type of media and need. The Mag-Tester 3000 offers full analysis for credit card size cards and tickets; the **MAG-TESTER REVO** extends this to the widest range of magnetic stripes and sizes/shapes of carriers – plus, its state of the art design provides new levels of convenience and test result accuracy, not available from any competitive analyser today.

The desk top mounted **MAG-TESTER REVO** is designed to ISO/IEC 7811-2:2001, 7811-6:2008, 7811-8:2008, 10373-2, JIS 6501 type I & II, JIS 6502, IATA 722e, etc Certification level test standards; it is ISO/IEC 7811-7 ready –via upgrade when needed. Other and Custom test limits can readily be set up as additional test programs. The **MAG-TESTER REVO** connects to a PC or Notebook computer running a Windows 2000/XP/Vista/Windows 7 operating system via a USB connection for easy and “go anywhere” installation and is used in the most demanding production environments as well as in Bureaux and Laboratories.

The **MAG-TESTER REVO** is the most accurate magnetic stripe analyser available today and is the choice of Certification Laboratories. **Unique levels of test measurement accuracy** are achieved with the use of a **Linear Optical Encoder** which is integral to the flat test table and directly monitors the movement of the card under test to a **resolution of 0.5micron (0.00002”)**.

The **MAG-TESTER REVO** is an extremely **robust design based on a precision reciprocating flat test table**. This acts as the test piece carrier enabling analysis of unencoded and encoded HiCo, LoCo and 650 Oe magnetic stripes to ISO and all other standards (including proprietary standards) on **the widest range of differing types of magnetic stripe items including:**

- Cards –including minicards, curved cards, transparent cards, etc.
- Tickets, ATBs, etc.
- Documents, Bank books; Pass books, Passports, etc.
- Unusually shaped magnetic stripe carriers, even the basic Magnetic Tape etc.

The **MAG-TESTER REVO** consigns other flat test table analysers to history. These old designs use uncertain and error prone **manual** setting for head selection and track positioning. All **MAG-TESTER REVO** operations are **fully automated** under software control - including all test head selection, loading and track positioning. Sensitive test heads are loaded on to test cards only when actually writing or reading – reducing wear rates on the read and write heads by 50% and 25% respectively compared with manual systems. Head life of 3- 5 years is normal. **A new, easy to use, test card clamping system** ensures very quick and accurate card loading and removal without any risk of damaging or marking the test card or ticket.

Typical applications are:

- Production Quality control –card manufacture and personalisation bureaux, verifying the integrity of Unencoded and Encoded magnetic stripes, original tape manufacture –reader/encoder manufacture, verifying equipment performance and quality.
- Expert Diagnostics -analysing the performance characteristics of the recorded (or encoded) magnetic signal and data, and the magnetic stripe media.
- Test Laboratories –Certification standard test and analysis.
- Development -producing special cards, tickets, encoders, readers and other items.

Unlike other flat test table analysers the **MAG-TESTER REVO** design includes protective covers for all critical components (e.g. sensitive test heads) this allows the analyser to be used in all environments and by all personnel. However, for expert and developer use the analyser may be used in “open architecture” mode without protective covers –if needed.

New **MAG-TESTER REVO** software enables easy use by inexpert operators using colour coded visual Go/Stop - Pass/Fail displays; as well as providing technically expert operators with comprehensive magnetic stripe analysis displays and diagnostic facilities for both Encoded and Unencoded cards. The software includes script based (TCL) modules which allow many tests and reports to be customised using a built in scripting facility.

Powerful database management facilities enable comprehensive batch testing and full analysis including statistics, histograms and performance trends –right through to automatic generation of a batch test Certificate. Batch test data is available for further analysis by external database management programs (for example MS Access, Excel, Statistical Analysis such as Gage R&R).

Other Features include

- QC batch Analysis –Batch Certificate; Metric and Imperial measurement standards
- Uncoated, single track Test Heads conforming to ISO/IEC 10373-2 (long life ceramic coated heads optionally available)
- Reverse Read/Waveform tests; Repeat Read tests
- Auto positioning of Test Heads to any stripe position from ISO to central ID1 stripe. Auto positioning 1 to 4 (ATB) tracks.
- Capability for the widest range of test piece shapes, sizes and thicknesses (from Edmondson through ISO card and ticket to ATB and bank book capability), including transparent cards, MiniCards, curved edge cards, tape media, etc.
- 650 Oersted unencoded media analysis; JIS 6501 Japanese Type I and Type II encoded card analysis.
- Custom applications (coding, media, standards, etc).
- **NEW Export facility** to a .CSV file importable into Excel/ Access for Gage R&R and Six Sigma Analysis
- Compatible with Microsoft Windows ® 2000, XP, Vista and **Windows 7**.



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