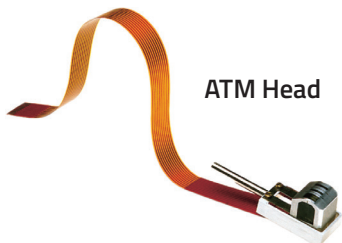


# Long Life Magnetic Heads

For Read-Write or Read-Only Applications



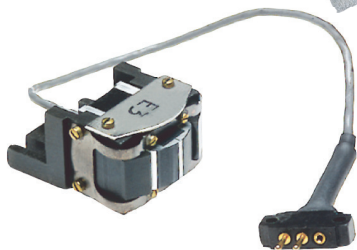
ATM Head

Low Cost ISO  
Standard POS  
Heads



Fare Collection  
head

Low Profile ISO  
Standard Head



Fare Collection  
head

DigiHead™  
ISO Standard  
POS Head



MICR Head

## Brush Markets

- Automatic Toll and Fare Collection—Public Transit
- Automatic Teller Machines (ATM)—Banking/Finance
- Credit and Debit Cards (POS)—Payment Terminals
- MICR Character Readers—Banking
- Airline Ticketing (ATB)
- Ticket Encoding—Parking Access
- Custom Designs—Vending
- Security Access/Access Control
- Media Verification—Laboratory Equipment
- Media Encoding Machines—Card MFG Equipment

## The Brush Difference

- Experience supplying the world's largest transaction providers
- World class research and development
- Custom design engineering capabilities
- Cost-effective, large volume manufacturing
- Value added engineering and lab services



Brush magnetic heads and long life technology are in use in the world's busiest, most demanding installations. Exceeding customer expectations.

# Product Range



## Low Cost, Standard Magnetic Heads ISO Standard for POS Applications

### Track configuration

1, 2 or 3 tracks of information from the magnetic stripe

### Profile

Full size  
Low profile



### Output signal

TTL analog signal  
DigiHead™ - digital signal with built-in analog to digital converter and F2F decoder circuit

### Mount and electrical connections

Square mount with wings  
Butterfly mount  
Cantilever mount  
Custom mounts per customer spec.  
Cables and wiring per customer spec.

## MICR Heads for Reading Magnetic Ink

CMC7 (U.S. Standard)  
E13B (European Standard)  
Track Widths  
8, 9 or 10 mm

## Custom Magnetic Heads for Extreme Environments

### ATMs

### Automatic Toll/Fare Collection

### Security Access

### Custom Applications

### Long life technology for ultimate reliability

Ceramic Coating for extreme life  
CoMoly™ anti-dirt technology  
Supermium® and Hypermium® increased durability  
Product hardening

### Track configurations

1, 2 or 3 tracks or custom

### Profile

Full size or low profile

### Output signal

TTL analog signal  
DigiHead™ - digital signal with built-in analog to digital converter and F2F decoder circuit

### Mount and electrical connections

Custom mounts and wiring systems

Custom engineering and systems troubleshooting



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