

World Leaders
IN CARD ISSUANCE



The **NEW**
AutoCard

*Card
Issuance
Systems*



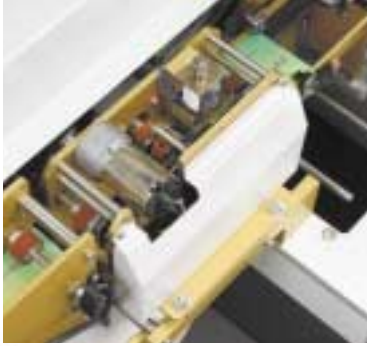
AutoCard

Autocard from PFE is a range of card issuance systems to meet the needs of a wide variety of operations. The range includes modules capable of encoding all common types of card, plus flexible printing and embossing modules allowing the creation of cards to efficiently meet the needs of most organisations.

By combining the card issuance system with a Cardmailer, a complete on-line system can be configured, taking the process from a blank card through to a finished envelope to be delivered to the customer.



Encoding



The first phase of any Autocard system is the encoding of the card. Modules are available to meet all industry standards and types of card.

Magnetic Stripe

Each system is fitted with a software switchable HiCo / LoCo ISO

standard magnetic stripe encoder. This performs the encoding of up to three tracks on the stripe and automatically reads back to ensure correct encoding before passing the card onto the next stage.

SmartCard (Chip)

Encoders are available to program all industry-standard types of Smart Card, including EMV cards for finance, GSM cards for telecoms and a multitude of other applications such as Access Control.

When time is not a critical factor in production, a contact is fitted to the Magnetic Stripe reader to enable encoding of chips. However, where production speeds are important to the process, our unique multi-chip modules allow simultaneous encoding of up to ten cards, significantly reducing the production time per card. Each card is fed into a multi-level vertical elevator which then rises and falls as required to allow the exit of the card once programmed and the commencement of the next programming cycle. This ensures efficient programming in a compact, modular system.

The *Insertacard* software has external links which enable all types of encoding software and protocols to be utilised. A development package is available to ensure smooth integration with existing systems.



Contactless (RFID)

If your application involves the use of contactless cards, such as MiFare, suitable encoding systems are also available and can be integrated into the transport modules within the Autocard system.

personalisation

Printing



The inclusion of up to two thermal printing heads within an Autocard system creates a very flexible system for a multitude of applications. Each head can be loaded with either monochrome or full-colour ribbons depending on the application, allowing the printing of simple details such as a name or barcode for applications such as loyalty cards, through to colour logos or photographs for membership or identity cards.

Embossing



A necessity for financial cards and also many other applications is the capability to emboss or indent cards.

Autocard systems can be fitted with one, two or three embossing drums depending on individual requirements for volume and speed of production. All embossing drums are gear-driven, ensuring speed, precision and excellent finished card quality.

All PFE embossing drums can be fitted with industry standard fonts.

Embossing:

OCR7B • Standard Gothic

Indenting:

CVV2 • OCRB1 • OCRB4

Each printing head includes the AdvanceClean® Card cleaning system which combines a tape and roller to ensure that each card is free from dust and debris before printing, ensuring the highest finished output quality and maximising the life of the print head itself.

The 300dpi print resolution ensures that whatever you print is sharp and clear, and the varnish function of the ribbon seals the image to avoid damage. High capacity print ribbons are available to enable longer run times without the need to change ribbons. Half-panel ribbons are also available where the image to be printed does not fill the card, thereby effectively doubling the number of images and halving the cost of consumables.

Flip-over modules are fitted before each print head enabling complete control over which colour(s) are printed on each side of the card. If only one print head is fitted this can be used both before and after printing to give double sided printing without the need for two heads in lower volume requirements.

For special applications such as prepaid telephone or gift cards, the second print head can be used to apply a scratch-off area, further enhancing the flexibility of the system.

All text and images to be printed are controlled by the *Insertacard* software and can be fixed for a batch of cards, such as a company logo, or variable for each individual card, such as a name, barcode or photograph.

Drums are available in configurations of 80, 100, or 114 characters.

For applications where speed is not the highest priority but flexibility is vital, our unique 114 character drum achieves highly cost-effective output. This drum is capable of holding all of the necessary font sets to produce every type of industry standard card and has the capability of including both front and rear indent ribbons on a single drum. This means that the production of Visa, MasterCard and Visa Electron, Debit and Credit cards are all possible from a single drum, making local production of replacement cards a cost-effective reality.

When multiple drums are fitted, these will usually be of 80 or 100 characters. By using PFE *Insertacard* software to share the job between them, greatly increased productivity is achieved.



Tipping

Tipping units are fitted as standard to all embossing systems and can be loaded with a selection of ribbon colours.

inserta CARD



The powerful, windows-based *Insertacard* software is a standard feature of all Autocard Systems and gives the user complete control of the process.

Using a familiar graphical screen display, the user can design the front and rear of each card, simply by selecting the menu options for encoding, printing or embossing. As the software is configured to each individual system, it will only allow the user to define options which the system is capable of producing. Static items such as magnetic stripes and chips are displayed when designing the card to ensure there is no attempt to print or emboss in reserved areas.

By linking to all major database types, *Insertacard* enables a great variety of variable information to be produced on the cards, including graphics such as logos or photographs, as well as text to be printed or embossed. Barcodes may also be generated for applications such as loyalty cards.

External links are provided, along with a software development package to enable integration with all types of Smart Card programming applications.

Insertacard will, of course, report and resolve any processing issues as they occur.

When connecting a PFE Autocard Issuance system on-line with a Cardmailer, *Insertacard* includes all the functionality for generating the carrier document and ensuring secure affixing of the two before inserting on a Maxmailer.



The **NEW**

AutoCard

Card
Issuance
Systems



Technical Specifications

Speed (Cards per hour)	<i>Embossing:</i> (45 characters per card) Single Drum - up to 700 Twin Drum - up to 900 Triple Drum - up to 1,100
	<i>Printing:</i> Single Head Monochrome - up to 900 Colour - up to 120 Twin Heads Monochrome - up to 900 Colour - up to 300
	<i>Smart Card Programming:</i> Single Contact - up to 500 Multi-Chip - up to 1,200
Card Formats	ISO CR80 (0.50-0.76mm)
Card encoding	Standard - Magnetic Stripe Optional - Smart Card (Chip) Contactless (RFID)
PC Interface	RS232, USB
Software control	Insertacard (Windows)

All specifications may be subject to limitations due to machine configuration and personalisation combinations.

PFE PRODUCT RANGE

Mailing Machines
Desktop Mailing Systems
Office Mailing Systems
Production Mailing Systems
Mail Printing Systems

• *Pressure Sealers*

• *Forms Handling Machines*

• *Office Products*



World Leaders

IN CARD ISSUANCE

PFE International Limited, Oakwood Hill
Industrial Estate, Oakwood Hill
Loughton Essex IG10 3TZ

www.pfe.co.uk

E-Mail: marketing@pfe.co.uk

Tel: 020 8502 1011 Fax: 020 8502 4187

Subsidiary Companies in USA, France, Germany, Portugal,
Belgium, Eire, Singapore and Australia.
Sales Offices throughout the UK.

PFE's policy is one of continuous improvement, and the right is reserved to modify or alter equipment specifications, without prior notice.



CERTIFICATE No. FM 30804



INVESTOR IN PEOPLE

Ref. No. K3169A/11/06