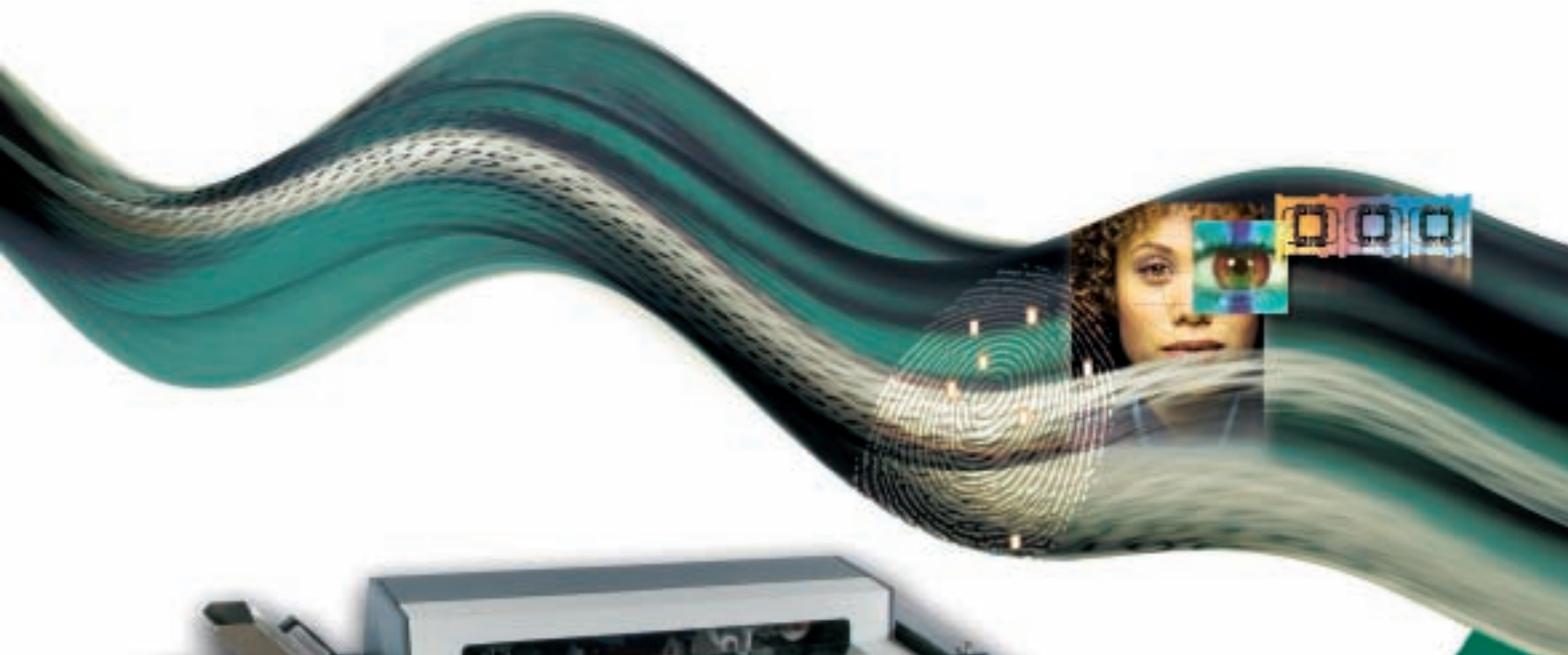


**DE LA RUE
IDENTITY SYSTEMS**



SIPS™ 500 Series

Integrated Passport and ePassport Solution





De La Rue Identity Systems: Worldwide Capability and Expertise

Governments today are faced with a comprehensive range of challenges relating to crime, terrorism and the maintenance of a robust security infrastructure. As a result the role and integrity of passports is now critical to the protection of a country and the movement of its citizens and visitors.

De La Rue Identity Systems continues to be selected by world governments as the leading, trusted partner to address the complex issues involved in designing, implementing and managing secure passport production and issuance systems. The company continues to invest heavily in the technologies, systems, personnel and expertise required to create truly unique documents with complex forms of security and protection.

The breadth and depth of De La Rue capability in this specialist field is relied upon by more than 50 governments worldwide. From Border Control technologies through to Security Paper and passport production incorporating leading edge application software, De La Rue delivers tailored individual solutions.



De La Rue – Unique Passport Production

A passport is an extremely valuable document. Both governments and individuals must be confident they are trustworthy, secure and comply with International standards. De La Rue has been instrumental in assisting in the creation of these global standards working with major institutions such as ICAO, ISO and Interpol.

To establish the optimum levels of security and protection around the passport, and to make it unique, De La Rue has developed a comprehensive range of advanced technologies and holds a wide range of related patents. These incorporate the capture and management of images, security print features, holographic devices and laminate film which combine to provide intricate layers of security.

Experienced project managers from De La Rue work with individual governments to ensure the solution meets individual country needs. These experts, proficient in worldwide passport security issues, deliver a range of services incorporating software, system integration and support through to a comprehensive full audit and control system.

The SIPS™ 500 and 500e Systems

The SIPS™ 500 series from De La Rue has evolved over a five year period representing the most advanced state of the art solution for secure passport issuance. Developed on proven technology, based on experience from installations across the world, the SIPS™ 500 series has been designed for ease of use, reliability and to deliver maximum passport protection.



Based on a flexible, modular design both the SIPS™ 500 and SIPS™ 500e operate in full compliance with all ICAO standards and represent the foundation of passport personalisation solutions for the future. The series allows for specific functionality to be added as required, so that the complete solution is designed to meet each country's requirements. However, each configuration of the series however demonstrates the same robust design and proven reliability capable of producing over 60 personalised passports per hour.

The security and protection delivered by an ePassport is unsurpassed by any other technologies used in passport issuance. The ability to store securely unique biometric data on a microchip located within the passport introduces previously unachievable levels of security sophistication. The SIPS™ 500e is the culmination of years of experience, development and investment by De La Rue with the result that ePassport data can be read by authorised government bodies with global verification systems, verifying secure digital signatures and therefore safeguarding against counterfeit and fraud.

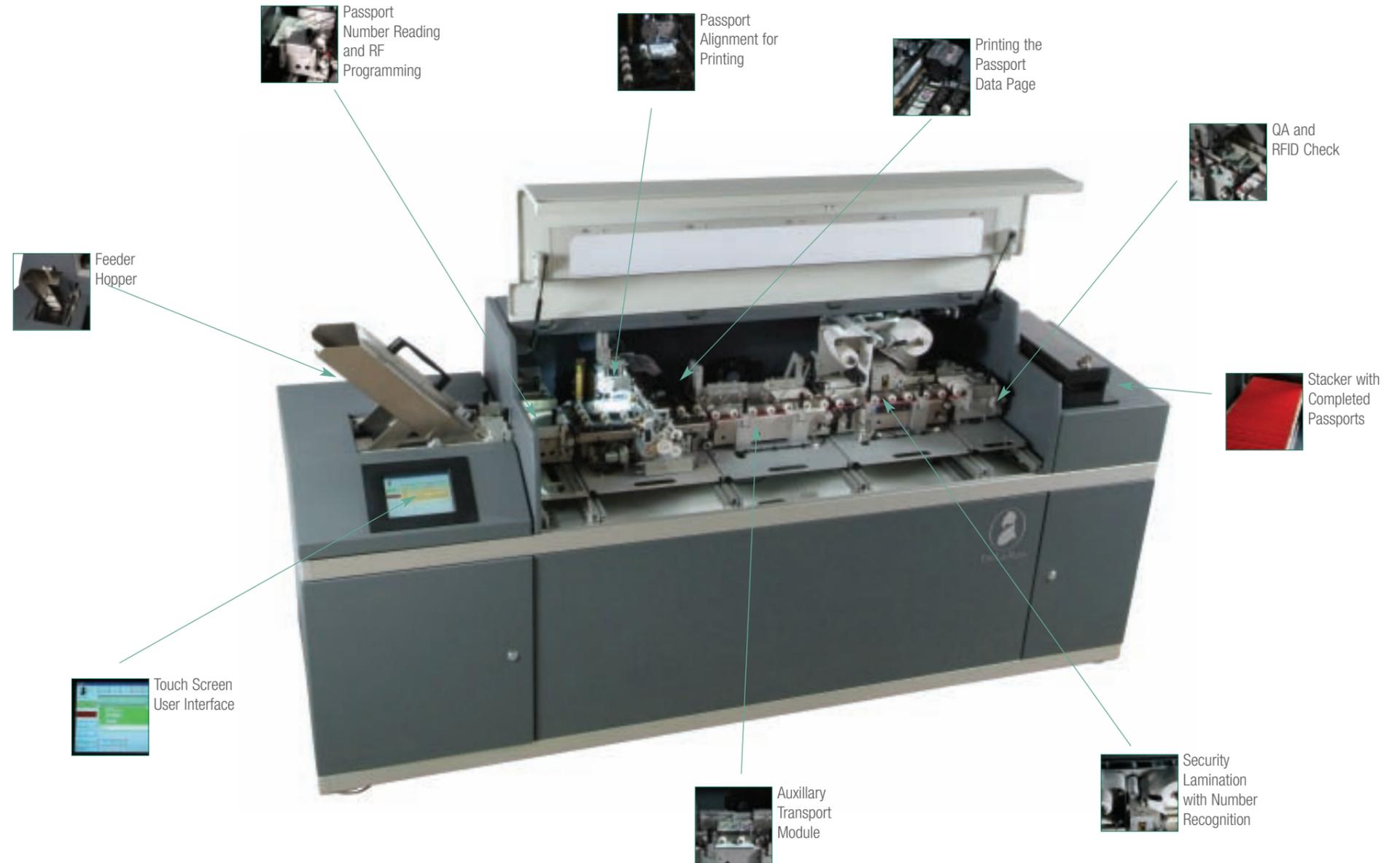


The SIPS™ 500 & 500e Fully Automated Passport Personalisation

The SIPS™ 500 and 500e are freestanding units incorporated onto an easily transportable frame. They can be operated by semi skilled personnel, processing a range of passports from standard 32 page passports up to 64 page ePassports, with the full range of traditional security features including security paper, security threads, passport numbering and security film.

The modular design of the SIPS™ 500 series ensures that individual countries can select particular functionality for their passport environment. Individual security features and measures can therefore be built into system specifications as required. The flexibility of the design also ensures that SIPS™ 500 systems operate on an open platform, enabling integration into a broad range of third party technologies to achieve the optimum passport issuance infrastructure.

The SIPS™ 500e automatically processes passports which are capable of storing biometric data on the chip. In a single process the chip is unlocked, personalised and then locked again ensuring that all relevant personal information can then be cross referenced to a central control database. The SIPS™ 500e is capable of cross referencing information stored on printed passports, consumables and personal data held on microchips – a first for any passport issuing system. It is this combination of integrated technologies from De La Rue that is providing the ultimate configuration for passport security in the world today.



Process



Incorporating Chip Technology – The new Passport standard

ePassports are the cornerstone of the emerging global travel security system. De La Rue Identity Systems is at the forefront of technology development in this specialist field. De La Rue is working closely with governments and agencies across the world to introduce new, secure passport issuing systems that operate to consistent internationally recognised (ICAO) standards.

De La Rue continues to develop solutions with key technology manufacturers in order to ensure that the SIPS™ 500 series can function with multiple operating systems, allowing for full integration into diverse technology frameworks. This open system approach delivers the optimum in terms of choice and performance – and maximum flexibility.

De La Rue Identity Systems also works to ensure that the microchip technology can deliver the highest performance standards in terms of durability, security and readability when it is incorporated into the SIPS™ 500e-based production process. Independent testing and evaluation of De La Rue passports and ePassports have demonstrated that they achieve the highest possible performance in terms of readability and interoperability across the range of reader systems. The SIPS™ series is fitted with a unique and dedicated ePassport module for secure programming, verification and chip locking.



X-Ray Image of Passport Chip



De La Rue MIDIS™ – Comprehensive Reliability and Security

The SIPS™ 500 series can be fully integrated into the De La Rue MIDIS™ passport issuing system to provide a fully robust and auditable passport personalisation process. MIDIS™ was developed to meet the needs of governments for secure identification documents, providing an efficient and controlled environment for the issuance of single or multiple document types from a single system. When capturing an individual's biometric data, the system can also manage the keys and generation of a digital signature necessary to secure data onto the chip. MIDIS™ is currently responsible for issuing over 80,000 documents a day from over 300 locations worldwide.



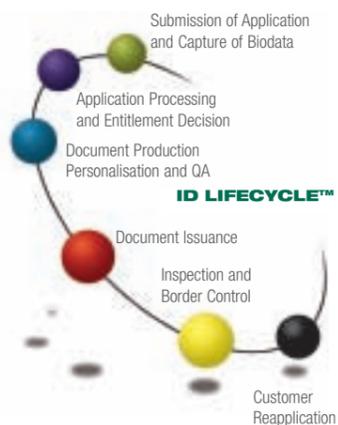
De La Rue SHIELD™ – Security Printed Lamination Film

De La Rue Identity Systems combines security printing with the highest level holographic features. SHIELD™ is the passport protection solution which places a high quality optically variable device (OVD) on the data page. The combination of the printed security features of the MLIS™ product with the highest levels of secure holographic features offers governments both bespoke design and maximum security whilst delivering full compliance with ICAO and EU requirements. These latest product developments from De La Rue are also fully compatible with ePassport and standard machine readable passports.



De La Rue MLIS™ – Layered, multiple protection

De La Rue MLIS™ can also be fully integrated into the SIPS™ 500 series systems. It creates a highly secure, machine-readable passport page by combining a thin film with other security print technologies. Applied to the passport's data page, up to 3 levels of multi-layer security can be added to protect against counterfeit and fraud. Fluorescent layers, specialist invisible design elements and optically variable inks are examples of the many possible MLIS™ feature combinations.



Full Audit Trail and Control

De La Rue expertise and understanding extends right across the ID Lifecycle™ – the end-to-end process of how individuals apply for, obtain and verify their passport documentation. Tracking, audit control and verification capability are now integral to any passport issuing system.

The SIPS™ 500 series features a comprehensive and sophisticated range of locking, tracking and control features. As passports are processed through the system, the uniquely numbered film and passport components are fully recorded and tracked. This distinctive methodology ensures that the issuing authority has a full audit trail of the issuing process, so that it can ensure that every passport produced is a truly unique document properly assigned to just one individual in the world.



The Result... De La Rue Security

In the history of passport production, there has never been a period that has demanded more complexity and proven expertise than today. In order to combat the real-time threats to national security, as well as crime and fraud – while allowing citizens to be identified and travel freely - a complex combination of technologies must be deployed.

This complexity is the very strength of the SIPS™ 500 series range from De La Rue Identity Systems. The De La Rue Group is at the centre of increased security innovation. Its technologies and distinctive solutions are leading efforts to meet and exceed the demanding new standards now being set by governments and International organisations.

As this new environment becomes a reality every government that engages De La Rue will have absolute confidence that unsurpassed experience and exclusive technologies will be delivered to make its country's critical passport documents both totally secure and unique.



De La Rue Identity Systems is a trusted partner and adviser of governments around the world, working closely with them to design, implement and manage secure modern identification systems. To date, we have successfully implemented over 50 national schemes across every continent, including biometric ID programmes.

Our expertise and understanding extends across the complete ID Lifecycle™: the end-to-end process of how individuals apply for, obtain and verify their personal identification. We invest heavily in Research and Development programmes covering documents and systems; and work alongside organisations like Interpol, the United Nations and the International Civil Aviation Organization (ICAO). As a result, Identity Systems is at the centre of some of the most exciting and innovative developments in the modern world.

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