



C.T.LAY

Sun Chemical Security

Who we are / Products

Security elements and consumable products for the card industry

C.T.LAY
Sun Chemical Security

Since its foundation in 2002 in Modena, Italy, **C.T.Lay** has been recognized as a high-quality manufacturer of value-added products for the production of financial cards and secure government documents.

C.T.Lay is certified under ISO 9001, ISO 14298, and INTERGRAF CWA 15374 as a supplier to the security industry, which allows us to support our customers in ensuring traceability and quality in the production of secure government documents like Passports and Driver Licenses among others.

As part of the **Sun Chemical Security Solutions** and the **DIC group** of companies since 2018, our products are supplied in more than 70 countries worldwide and include magnetic tapes, pre-laid magnetic stripes, pre-patched holograms, inks, and lamination plates.

Each year, more than 1 billion cards and documents are produced with **C.T.Lay** products.



C.T.Stripe

PRE-LAID MAGNETIC STRIPES

Outsourcing the application of magnetic stripes onto various substrates, offers a business several benefits.

Including a reduction in operational costs. Which enables the effective re-distribution of resources, to enhance

mainstream production. When outsourcing to C.T.Lay, with twenty five years of experience in this field. Ensures reliable and efficient magnetic stripe substrate application, tailored to suit individual needs.



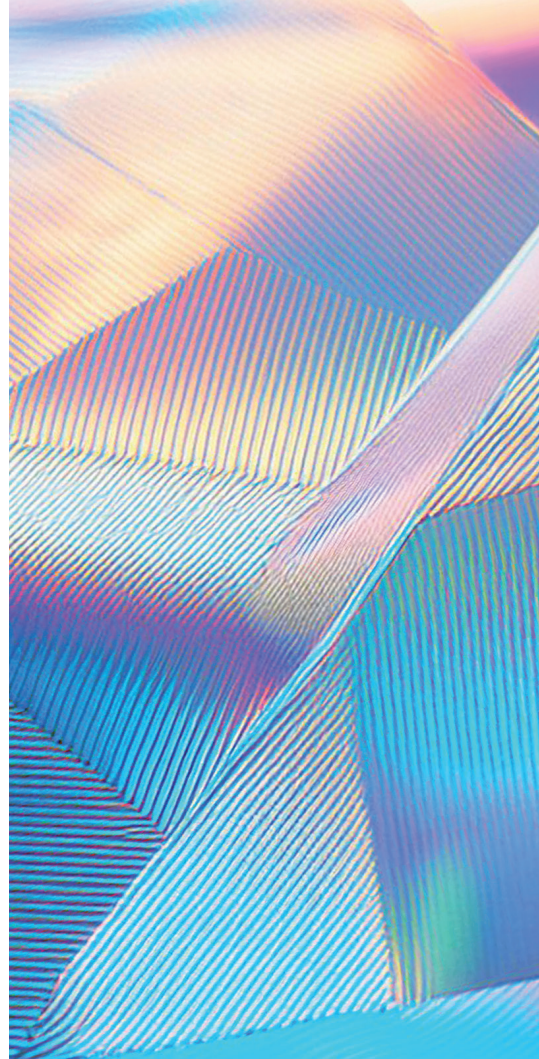
C.T.Patch

PRE-PATCHED HOLOGRAMS

Pre-patched holograms deliver outstanding anti-forgery characteristics for ID cards, passports and driver's licenses.

C.T.Lay has a production capacity exceeding 250 million holograms per year. Our precision in hologram application ensures flawless results. Our Industry-leading security features are supported with sheet-by-sheet quality control and cleaning.

C.T.Lay provide single hologram control, with 100% traceability guaranteed. Film applications can be as fine as 50 microns or less.



C.T. Mag

MAGNETIC TAPES

We offer a wide range of magnetic stripes available in multiple colors, width and lengths.

Whether you need specific colors to match or different grades for various applications, we have you covered.

Our tailor-made service ensures that each product is customized to meet your exact specifications, providing you with the perfect solution for your needs.

With our extensive selection and personalized approach, you will find the perfect solution for magnetic tapes for any project.



C.T. DataPatch

INVISIBLE EMBEDDED VARIABLE DATA

NEW
developments

Introducing a solution for embedding variable data safely.

Our advanced technology utilizes security inks, both visible and invisible, to ensure that variable data is printed within embedded solutions.

This allows for data to be printed according to specific layout design, providing a tailored and precise approach.

Our secure solution is ideal for institutions requiring protected variable data and offers an enhanced security for all your data printing needs.



C.T.HoloGrid

PASSPORT DATAPAGE HOLOGRAMS APPLICATION

No more hologram dimensional limitations!

With the innovative C.T.HoloGrid application system, you can now apply large holograms or multiple holograms onto passport data pages.

This breakthrough technology allows for greater flexibility and creativity in hologram design and application.

Our customer service team will support you throughout the design creation and application processes.

Making it easier than ever to bring your projects and ideas to life.



NEW
developments

SUNCarte®

INKS FOR PVC CARDS

Elevate your card production to the pinnacle of quality and efficiency with the Starlux® (SunCarte®) suite.

With superior peel strength, our screen and offset inks and adhesives don't just stick, they fuse. Offering unparalleled adherence that withstands the toughest bends and stretches.

C.T.Lay is dedicated to delivering a complete, tailor-made service to meet all our customers' needs.

From initial consultation to final implementation, our team is here to assist you at each step.



SUNSeal

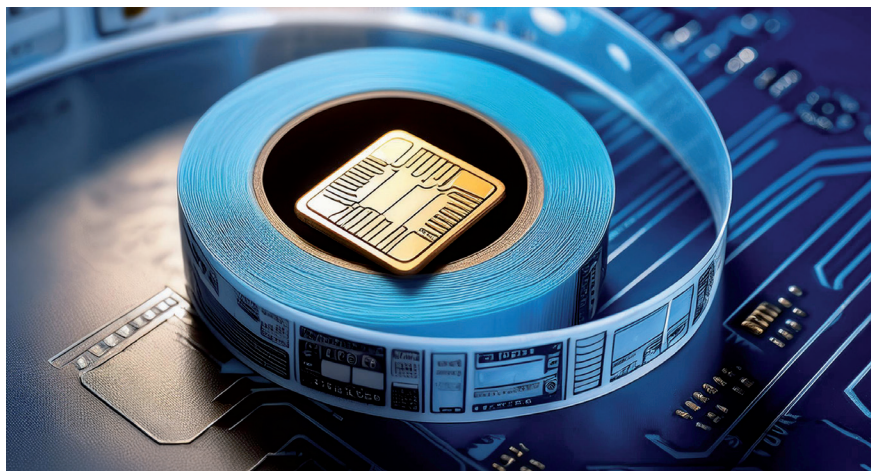
SECURE BONDING SOLUTIONS



The smart card market is evolving rapidly away from new PVC, with a strong push towards sustainable materials.

While alternative materials such as Parley Ocean Plastic®, rPETG, PLA and recycled PVC (rPVC) offer clear

benefits, chip bonding on these materials remains a challenge. C.T.Lay offers SunSeal DuploTEC® 12410 SBF and 12420 SBF EC (Electrically Conductive) chip bonding tapes. These innovative solutions for chip embedding, enable efficient and secure production of eco-friendly smart cards.



POLYFASTInks

SECURITY INKS FOR ID CARDS AND PASSPORT DATA PAGES

C.T.Lay offers a range of Polyfast security inks for high quality printing onto PVC or PC substrates with lamination.

These inks have been formulated specifically for ID cards & passport data pages. Providing excellent durability and resistance properties for 10 year+.

The Polyfast ink range, offers high intensity to produce sharp print quality with excellent halftones. As well, both covert and semi covert security features can be offered.



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