



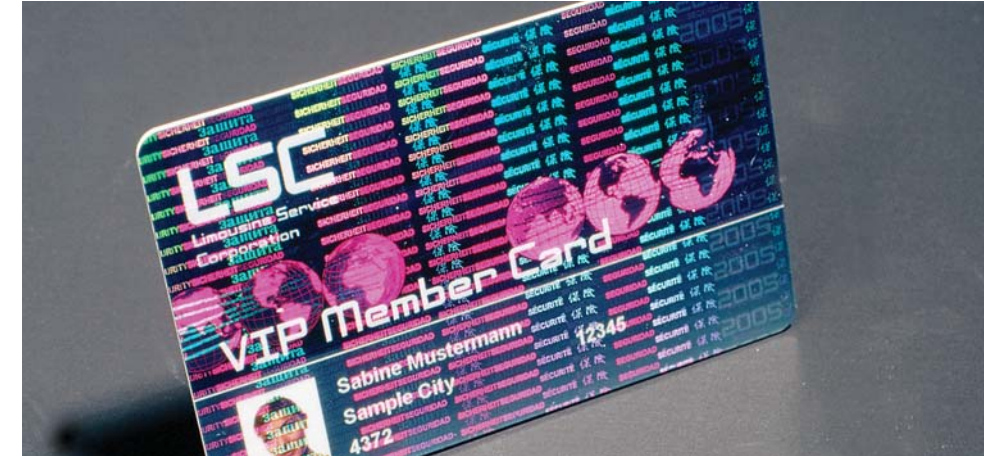
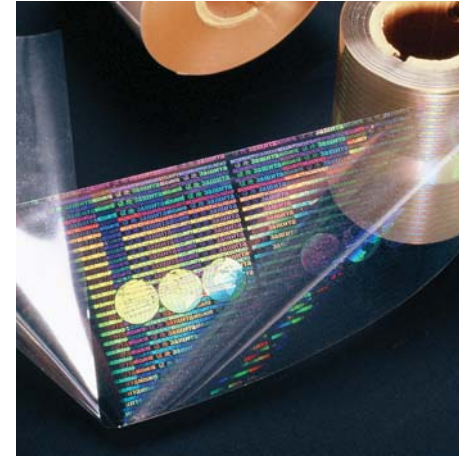
**Summary of the EDISecure® Overlamination Configurations**

Lamination type	Required Docking Modules	Required Overlamination Modules (OLM)	Required Turn-Over Units	Required Output Card Stacker
An OVD <b>or</b> a patch on a single card side	1	1 Standard	0	1
An OVD <b>and</b> a patch on a single card side	1	2 Standard	1 Standard	1
Same OVD <b>or</b> same patch on both sides of a card	1	1 DS	1 DS	1
Same OVD <b>and</b> same patch on both sides of a card	1	2 DS	2 DS	1

**Technical Specifications**

OLM temperature range:	70 °C - 180 °C
OLM speed range:	2 mm/s - 22 mm/s
Supported card materials:	EDISecure® PVC, PVH, 100% PET, ABS and Polycarbonate
Power supply:	100 - 120 VAC and 200 - 240 VAC
Supported card format:	85.7 x 57 mm
Supported card thickness:	0.25 -2.0 mm
Standard and DS OLM dimensions:	345 x 275 x 300 mm (H x W x D)
Weight:	12 kg
Docking Module dimensions:	280 x 190 x 220 mm (H x W x D)
Docking Module weight:	4 kg
Standard and DS Turn-Over Unit dimensions:	280 x 100 x 260 mm (H x W x D)
Turn-Over Unit weight:	3 kg





**EDISecure® Overlamination Solutions**

The Digital Identification group of companies offers a versatile line of single- and dual-side lamination solutions to meet the increasing marketplace demand for greater ID card security and durability. The EDISecure® Overlamination family of products was primarily designed to provide optional in-line lamination for the EDISecure® XID 580i and XID 590i printers, but when combined with an available EDISecure® automatic card feeder, the EDISecure® Overlamination products can be used off-line to laminate cards from virtually any printer.

**Increasing demand**

The EDISecure® Overlamination solutions are the result of continuous research and development regarding how

to provide the highest levels of card security and wear protection given today's and tomorrow's technology. The EDISecure® Overlamination solutions enable the EDISecure® XID printer family to be utilized in projects and programs where card security and/or card life are critically important, such as in drivers license programs, national ID programs, voter registration systems, military IDs, and increasingly, corporate physical and/or logical access control programs.

**Flexible and reliable solutions**

Because the EDISecure® XID printer family can print onto a broad range of card materials, the EDISecure® Overlamination solutions had to be designed to provide high quality lamination results on an equally broad range of card materials. Thus, lamination variables such as card transport speed and lamination temperature can be precisely controlled via the LCD and menu controls found on the EDISecure® Overlamination OLM modules. As a result, the OLM units can reliably apply a variety of lamination materials to cards made of PVC, PVH (PVC cards with a PET core), ABS, pure PET and Polycarbonate. Even "pre-loaded" contact and contactless chip cards can be laminated without damaging the internal card circuitry.

**Single- and Dual-Sided Lamination**

Key EDISecure® Overlamination modules are available in single- and dual-sided varieties (the dual-sided models have "DS" in the model name). This provides enormous flexibility when try-

ing to accommodate specific budget limits, throughput requirements, and various lamination materials. To add in-line, single-side lamination to an EDISecure® XID 580i printer, simply add a standard OLM Docking Module and a standard (single-sided) OLM Overlamination module. To add the ability to laminate both sides of a card with the same laminate material for the least cost, substitute a DS OLM Overlamination unit for the standard one and add a DS OLM Turn-Over unit. If throughput is more important than cost, add a standard OLM Turn-Over unit and a second standard (single-sided) OLM Overlamination module. This configuration also makes it possible to use different types of laminate materials in each lamination unit.

For the user who wants the maximum in card security and protection, select a Docking Module, two DS Overlamination modules, and two DS Turn-Over units. This configuration allows both sides of the card to be laminated with two different materials.

**Investment protection**

EDISecure® XID printer customers can expand and upgrade their original printer investment at any time by the addition of one or more EDISecure® Overlamination modules. The lamination modules can be attached to an EDISecure® XID printer in five minutes or less without the use of any tools other than a small screwdriver to permanently attach the inter-unit communication cables.

**Overlamination Materials**

A wide range of EDISecure® Overlamination materials are available, and each is tested and certified for use with EDISecure® XID printer consumables.

**EDISecure® OVD Films**

When card security is the primary concern, EDISecure® OVD Films with 2D or 3D holographic images are recommended. At 0.25 mils (0.00635 mm) thick, EDISecure® OVD Films are thinner than protective "patches" and can therefore be securely laminated onto cards using less heat than required for thicker protective patches. Lower heat means there is less chance for damage to the internal electronic circuitry found in proximity and smart cards. Furthermore, unlike protective patches that leave a visible unlaminated border around the edge of the card, EDISecure® OVD Films are applied to the entire surface of the card and, when properly applied, are impossible to remove from the card without leaving readily apparent evidence of tampering.

EDISecure® OVD Films are available with or without registration marks. If ordered with registration marks, the EDISecure® Overlamination modules will apply the EDISecure® OVD Film and any images that appear in the film consistently (in the same place) on each card.

**EDISecure® Patch Laminates - Clear Patches**

When card durability is the primary concern, EDISecure® Patch Laminates are the preferred solution. Clear EDISecure® Patch Laminates are available in standard (0.5 mils, or 0.013 mm) and heavy-duty (1.0 mils, or 0.025 mm) formats. The standard thickness is recommended for cards containing electronic circuitry. The heavy-duty format is typically reserved for cards that do not contain internal electronic circuitry and will be frequently swiped through magnetic stripe or barcode readers.

As with all protective patches from any supplier, EDISecure® Patch Laminates are slightly smaller than standard CR80 cards and therefore leave a small (approximately 1 mm) unlaminated border around the edge of the card.

**EDISecure® Patch Laminates - Holographic Patches**

When both card security and card durability are a concern, EDISecure® Patch Laminates containing holographic imagery are recommended. These holographic patch laminates are available in 0.6 mils (0.015 mm) thickness. Alternatively, and via the use of two EDISecure® Overlamination modules, an EDISecure® Patch Laminate can be applied over an EDISecure® OVD Film.

**Custom and Stock Designs**

Both EDISecure® OVD Films and EDISecure® Patch Laminates are available in custom and standard, in-stock designs. Custom designs can contain any customer-supplied artwork that the customer is legally entitled to use. Custom designs usually require 4 to 6 weeks from the latter of a firm purchase order or approved artwork, while in-stock designs can typically be shipped next day.