

## BASIC TOPCOAT MODULE GEN 2

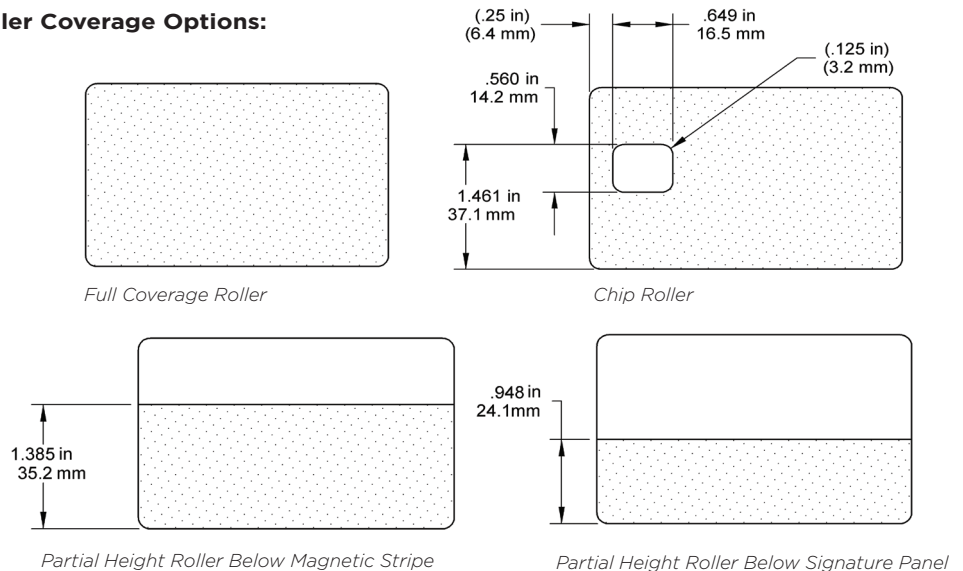
The Basic Topcoat Module Gen 2 applies a clear or custom holographic film layer to protect graphics and color printed images. Basic topcoat provides full edge-to-edge coverage and the flexibility to create unique protection depending on customer needs.

- Provides multiple topcoat roller options for unique topcoat application, including full height, partial height, and chip
- Topcoat ribbons available in clear and random or registered custom holographic
- Ability to apply multiple layers of protective topcoat
- Custom security topcoats are available to meet unique card needs with a full portfolio of customizable security features
- Entrust patented Intelligent Supplies Technology™ features enhancements that improve card production efficiency and increase ribbon conservation to help minimize cost per card

### Basic Topcoat Gen 2 Module Specifications

<b>Module Functionality</b>	Applies clear or holographic topcoat to entire surface of card
<b>Card Protection Technology</b>	Heat-activated topcoat applied to card using pressure
<b>Topcoat Characteristics and Placement</b>	<p>Full edge-to-edge embossable topcoat</p> <ul style="list-style-type: none"> <li>• Standard clear topcoat (gloss or satin finish)</li> <li>• Random holographic topcoat</li> <li>• Registered holographic topcoat</li> </ul> <p>- Card-to-card placement tolerance of +/- 0.12 in. (3.0 mm) - Critical elements should be at least 0.12 in (3.0 mm) from edge of card - Requires a Holographic Registration Kit</p>
<b>Topcoat Roller Options</b>	<ul style="list-style-type: none"> <li>• Full coverage roller - applies topcoat to entire card (standard)</li> <li>• Chip roller - applies topcoat to entire card except in area surrounding smart card chip</li> <li>• Partial height roller below magnetic stripe - applies topcoat from bottom of card to just below the magnetic stripe</li> <li>• Partial height roller below signature panel - applies topcoat from bottom of card to just below the signature panel</li> </ul>
<b>Intelligent Supplies Technology™</b>	<p>The Basic Topcoat Module Gen 2 requires the exclusive use of Entrust Certified Supplies featuring patented Intelligent Supplies Technology™</p> <p>Features include:</p> <ul style="list-style-type: none"> <li>• Automatic supply recognition</li> <li>• Automated energy/temperature of module settings</li> <li>• Verification of proper supply loaded</li> </ul>
<b>Operator Supply Notifications</b>	<ul style="list-style-type: none"> <li>• Supply low • Supply load prompt</li> <li>• Supply out • Supply not loaded</li> <li>• Supply break</li> </ul>
<b>Card Types Supported</b>	<ul style="list-style-type: none"> <li>• ISO/IEC 7810 ID-1 Size: 30 mil (±10%)</li> <li>• Fully compatible with contact and contactless smart cards</li> <li>• Basic Topcoat is designed for either flat or embossed cards</li> </ul>
<b>Card Materials Supported</b>	See system-level specifications; no further limitations

### Roller Coverage Options:



Basic Topcoat Module Gen 2 Supported Systems					
Available Systems	MX9100™ System	MX8100™ System	MX6100™ System	MX2100™ System	
Rated Speed	Not Available	Up to 3,000 CPH (Actual throughput dependent on card layout, roller configuration, and system configuration – registered holographic topcoat and chip rollers may slow system)*	Up to 1,800 CPH (Registered holographic topcoat and chip rollers may slow system)	Up to 1,200 CPH (Registered holographic topcoat and chip rollers may slow system)	
Allowed Quantity		Up to 4 modules per system	Up to 3 modules per system	Up to 2 modules per system	
Module Configurations		<ul style="list-style-type: none"> <li>Applies one layer of topcoat per module</li> <li>Compatible with Datacard® UltraPrint™ labels</li> </ul>			
System Considerations		<ul style="list-style-type: none"> <li>Basic Topcoat Module Gen 2 is typically configured after all personalization modules, except embossing, topping, and label affixing modules</li> <li>Modules must be ganged and used with buffer modules to increase throughput speeds</li> <li>Up to 2 layers of protective topcoat or a single layer of Datacard® CardGard® UV-curing topcoat or a single layer of Datacard® DuraGard® laminates may be applied to a single side</li> <li>Front and back of card can be a combination of protective topcoat, Datacard® CardGard® UV-curing topcoat or Datacard® DuraGard®</li> <li>Module applies topcoat to the front side of the card; if back side of card requires topcoat, card flipper modules, and a second basic topcoat module must be installed</li> </ul>		<ul style="list-style-type: none"> <li>Basic Topcoat Module Gen 2 is typically configured after all personalization modules, except embossing, topping, and label affixing modules</li> <li>Up to 2 layers of protective topcoat or a single layer of Datacard® CardGard® UV-curing topcoat or a single layer of Datacard® DuraGard® laminates may be applied to a single side</li> <li>Front and back of card can be a combination of protective topcoat, Datacard® CardGard® UV-curing topcoat or Datacard® DuraGard®</li> <li>Module applies topcoat to the front side of the card; if back side of card requires topcoat, card flipper modules, and a second basic topcoat module must be installed</li> </ul>	
Module Dimensions		50.1 in. H x 20.0 in. W x 27.0 in. D (127.3 cm x 50.8 cm x 68.6 cm)			
Weight		197.0 lbs (89.4 kg)			
Current Draw		1.79 Amps at 230V			
Heat Output	Average of 1,390 BTUs per hour				

\*For throughput estimate based on specific configuration, contact a Technical Sales Consultant.

## Basic Topcoat Gen 2 Module Supplies

### Basic Topcoat Supplies featuring patented Intelligent Supplies Technology™

Item Number	Description	Yield/Roll (approx.)
572273-001	Clear topcoat ribbon, semi-gloss	Up to 5,900
572273-003	Clear topcoat ribbon, satin-matte	Up to 4,100
572448-001	Generic holographic topcoat - Stars and Globe sample roll	Up to 4,500
572448-002	Generic holographic topcoat - Stars and Globe sample roll	Up to 600
572529-001	Clear Topcoat Ribbon, semi-gloss (alternate)	Up to 5,900
Customer Specific	Custom security registered topcoat ribbon	Up to 4,500

Yields are approximates. Actual yields may vary due to image print size, card job size, system configuration, and other waste factors.

Custom security topcoat offers protection for critical card data against alterations, forgery, and tampering.

The Basic Topcoat Module Gen 2 requires the exclusive use of Entrust Certified Supplies featuring patented Intelligent Supplies Technology™.

Learn more about the unmatched selection of innovative card personalization capabilities of the MX Series at [entrust.com](http://entrust.com).  
**Contact us today at [info@entrust.com](mailto:info@entrust.com)**

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