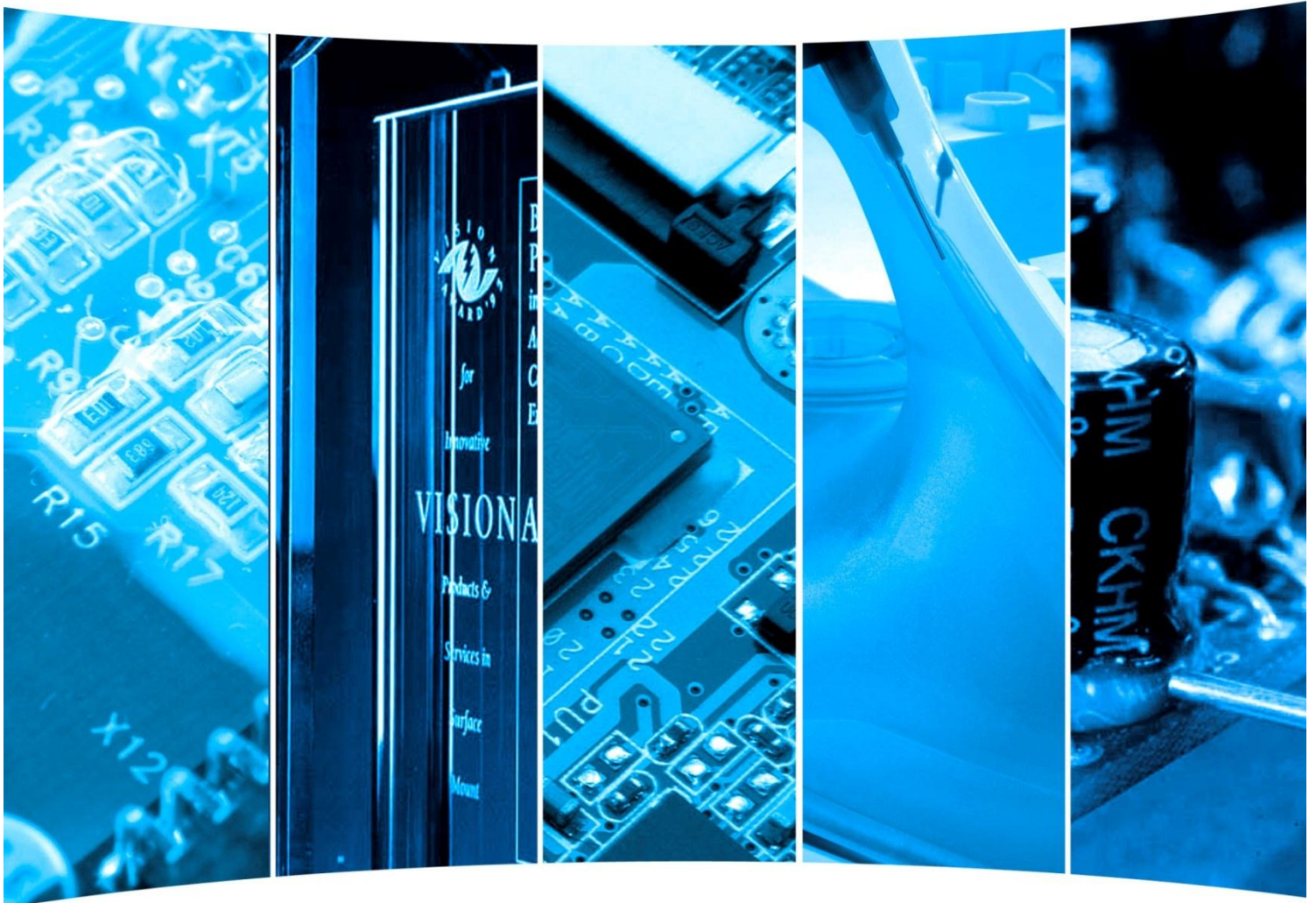






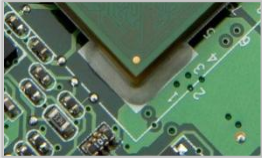
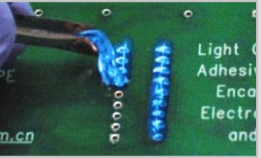

E-MAX 2.0 Product Selector Guide



Plastic Bonders
Glass Bonders
Materials for Reinforcement
Conformal Coatings
Materials for Ruggedization
Electronic Maskants
FIP/CIP Gaskets



e.max 2.0 Light-Curable Materials Selector Guide

PRODUCT	E-MAX 303	E-MAX 403	E-MAX 903-E	E-MAX 905	E-MAX 905-LV	E-MAX 904-T-SC	E-MAX 904-GEL-SC	E-MAX 906-B	E-MAX G02	E-MAX G04	
Typical Applications	Plastics Bonding 	Glass Bonding 	Conformal Coating 			Reinforcement 	Ruggedization 	Electronic Maskant 	FIP/CIP Gasket 		
Features	Rapid LED cure; high adhesion to plastics	High adhesion to glass and metal; optically clear; resistant to yellowing and thermal shock; UV resistant	Low viscosity; chemical resistance; shadow cure; bright blue fluorescing	Medium viscosity for component wetting; shadow cure; bright blue fluorescing; flexible for enhanced thermal shock performance	Low viscosity for spray valve compatibility; shadow cure; bright blue fluorescing; flexible for enhanced thermal shock performance	Medium-viscosity grade for easy application; adhesion to various PCB components; formulated with See-Cure technology	Highly thixotropic gel for minimal flow; adhesion to various PCB components; formulated with See-Cure technology	Exceptionally thixotropic for manual or automated dispensing; solvent free; silicone free; blue in color for easy visual inspection; medium adhesion for peeling	Cures soft and tack free; black in color; silicone free; conforms to intricate channels or recesses; excellent tear resistance; low outgassing; moisture resistant	Cures soft and tack free; clear in color; silicone free; conforms to intricate channels or recesses; excellent tear resistance; low outgassing	
Viscosity	125 cP	2,500 cP	125 cP	2,500 cP	850 cP	8,000 cP	38,000 cP	150,000 cP	40,000 cP	39,000 cP	
Primary Cure	UV/Visible Light	UV Light	UV/Visible Light	UV/Visible Light	UV/Visible Light	UV/Visible Light	UV/Visible Light	UV/Visible Light	UV/Visible Light	UV/Visible Light	
Secondary Cure	-	-	Moisture	Heat	Heat	-	-	-	-	-	
Approvals	-	-	MIL-I-46058C UL 94 V-0 & UL 746-E IPC-CC-830B	MIL-I-46058C UL Listed IPC-CC-830B	MIL-I-46058C IPC-CC-830B	-	-	-	-	-	

Typical Cost Savings of Dymax Light-Curable Materials:

- Cure in seconds; increase throughput
- Minimal floor space requirements
- Simple to dispense – no solvent management or mixing systems required
- No silicone containment required
- Eliminate labor costs associated with complex dispensing system maintenance and manual transferring of parts for long cure
- No secondary inspection of bond area with See-Cure

Environmental Benefits of Dymax Materials:

No VOCs | Solvent free | HAP free



See-Cure Technology

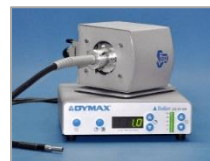


See It [Dispense](#)

Dymax adhesives with patented See-Cure technology are bright blue in the uncured state. The blue color is easily visible against clear and most colored substrates, enabling simple confirmation of the quantity and location of placement.

See It [Cure](#)

As the adhesive cures, the blue color within the adhesive fades and ultimately turns clear after full cure. This serves as a visible confirmation that the adhesive has received a sufficient dose of energy to cure. There is no evidence of the blue color on the finished parts.



BlueWave® LED DX-1000 Spot Mode
- Variable Intensity



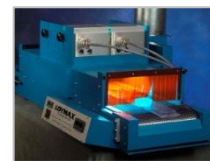
BlueWave® LED Prime UVA Spot Lamp
- High Intensity
- Patented Intensity Adjustment



BlueWave® 200 Spot Lamp
- High Intensity
- Patented Intensity Adjustment



Flood Lamp Systems



Conveyor Systems

Light-Curing Equipment

Dymax offers a wide range of light-curing equipment for curing adhesives, coatings, maskants, and sealants. Available systems include spot lamps for small-area cure or repair, flood lamp systems for bench-top batch curing or mounting over assembly lines or onto conveyors, and conveyor systems for automated in-line curing materials including adhesives, pastes, solvents, and lubricants.

Dispensing Equipment

Dymax offers a wide range of dispensing equipment. From complete systems to individual components and accessories, our products are ideal for use with many low-to-high viscosity materials including adhesives, pastes, solvents, and lubricants.

Best Practices for Demonstration

Lamp	Lamp Intensity	Radiometer	Demo Exposure Time in Seconds (Between Glass Slides)*							Demo Exposure Time in Seconds		
			E-MAX 303	E-MAX 403 [†]	E-MAX 903-E [‡]	E-MAX 905 [‡]	E-MAX 905-LV [‡]	E-MAX 904-T-SC [†]	E-MAX 904-GEL-SC [†]	E-MAX 906-B	E-MAX G02	E-MAX G04
BlueWave® LED Prime UVA Spot Lamp or DX-1000 in Spot Mode*	10 W/cm ^{2A}	ACCU-CAL™ 50-LED	<1	2	4	2	2	5	5	-	-	-
BlueWave® 200 UV Curing Spot Lamp*	10 W/cm ^{2A}	ACCU-CAL™ 50	<1	2	1	1	1	2	2	-	-	-
5000-EC Flood Lamp System	200 mW/cm ^{2B}	ACCU-CAL™ 50	<1	2	2	2	2	10	10	5	15	10

^A Intensity measured at end of 5 mm lightguide
^B Intensity measured at work surface, 13 cm from bottom of lamp housing

* 5 mm lightguide ½" [1.27 cm] from curing surface
[‡] Highest probability of success when boards come to Dymax for automated conformal coating application and cure.
[†] Product is sensitive to oxygen inhibition. Higher intensity, longer cures, inert gas blankets, or alternative lamps may be used to limit tackiness of surfaces where material is exposed to oxygen and a tack-free surface is required.



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