Designing a Light-Curing Process

Get to know the key components required for light curing, all of which must be optimized to work together.

# LIGHT-CURABLE MATERIALS

There are a variety of light-curable materials (LCMs) that manufacturers use to bond components.

Facts:

LCMS CAN HAVE 1 OR 2





XXXXX

EXAMPLES INCLUDE EPOXIES, SILICONES, AND ACRYLATE SYSTEMS COMPONENTS

WILL CURE WITH UV AND/OR VISIBLE LIGHT SECONDARY HEAT OR MOISTURE CURRE

## DISPENSING EQUIPMENT

To apply an LCM to a component or substrate surface, a dispensing system is required.

### Facts:

TYPES OF DISPENSERS INCLUDE:



APPLICATION METHODS INCLUDE MANUAL OR AUTOMATED DISPENSE THROUGH:

HAND-HELD
MACHINE-MOUNTED
ROBOTIC
ROBOTIC
ROTARY



SYRINGES
VALVES
SPRAY GUNS

## LIGHT-CURING EQUIPMENT

In order to bond components together with an LCM, you'll need a light-curing source.

Facts:

# TRADITIONAL BROAD-SPECTRUM SYSTEMS USE BULBS FOR CURING



THE MOST POPULAR CONFIGURATIONS FOR LIGHT-CURING SYSTEMS ARE:







Dymax manufacturers curing equipment and compatible adhesives, coatings, and resins. We focus on creating solvent-free materials that cure clean, green, and fast, helping engineering teams accomplish more in less time and with less negative impact on the environment.

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