

# POWER CURE™



Spraybooth  
Retro-Fit

**INFRA**TECH  
AUTOMOTIVE

HIGH INTENSITY  
QUARTZ **INFRARED**  
DRYING SYSTEMS

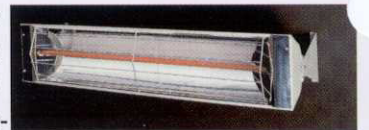


# POWER CURE™

## HIGH INTENSITY QUARTZ INFRARED DRYING SYSTEM FOR SPRAYBOOTH INSTALLATION

**PRODUCTIVE, DEPENDABLE, EFFICIENT.** The "**POWER CURE**" components are designed to cure today's high-tech coatings with superior speed and quality. Designed to operate in four independent zones, the "**POWER CURE**" can easily handle a simple panel repair, as well as complete re-paints. High intensity quartz emitters that are so effective that even complete re-paints can be cured in 20-30 minutes... up to 10 cars per day regardless of weather conditions. Produce panel temperature of over 140° in less than 3 minutes. And because the system has total temperature control you won't be sacrificing safety and quality in order to achieve the production that is vital to bottom line profits.

**HIGH INTENSITY QUARTZ EMITTERS.** At the heart of the "**POWER CURE**" system are powerful high intensity quartz emitters. The 5/8" diameter semi-translucent quartz tube along with a special alloy filament produces temperatures exceeding 1500°F. These quartz emitters are custom manufactured "in-house" by **INFRATECH** to guarantee the exact wavelength (2.35 microns) most effective for curing oxygen/carbon based (organic) compounds, ...compounds that make up all liquid automotive coatings. **INFRATECH** quartz emitters have a long life expectancy of 5000 hours. Replacements are reasonably priced and are always in stock. In order to achieve even heat distribution the system utilizes special alloy 60° wide angle reflectors. This reflector design directs the radiant energy to the surface at right angles providing uniform heat over the entire target eliminating "hot spots". In addition, the reflector is designed to significantly expand the heated pattern for maximum coverage.



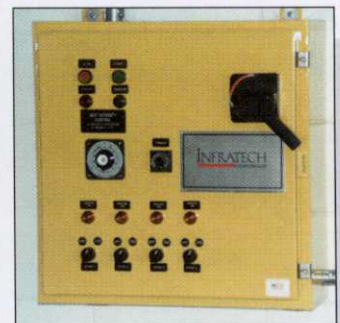
**ENERGY EFFICIENT/BUILT-TO-LAST.** The average "**POWER CURE**" system at full power generates 36 kilowatts. The average rate for electricity (US) is about 10¢ per kilowatt hour. Therefore, curing primers (approximately 5 minutes) would cost only pennies. The cost "to cure" a complete re-paint about \$1.72. That is less than 1/2 the cost of gas. (36 KW x .10¢ rate x 30 minutes). One hundred percent made in the United States the system is built exclusively from components designed to survive in a shop environment. The oven frame is made out of heavy duty structural steel and then powder coated. All electrical components are UL listed (US and Canada). Over 40 years of experience in engineering and manufacturing infrared equipment along with a commitment to use only top of the line components makes it possible for **INFRATECH** to offer the strongest guarantee in the industry today ...your assurance of many years of trouble free operation.



Power cure systems are UL Listed for use in a spraybooth. Your assurance of quality and safety. Over 40 years of manufacturing experience, heavy duty construction and quality materials insures years of trouble free service.



### UL LISTED CONTROLS

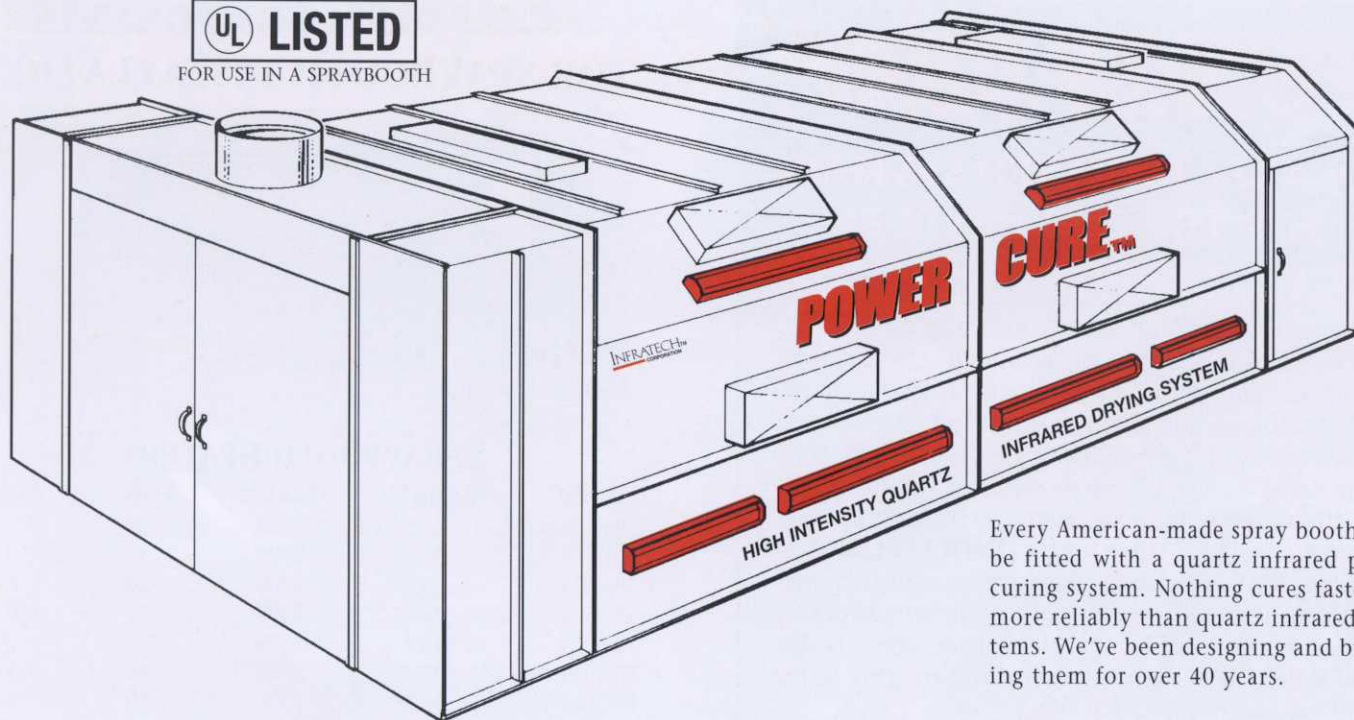


To insure quality our control systems offer output regulators for temperature control. Heat is divided into 4 zones for economical operation.





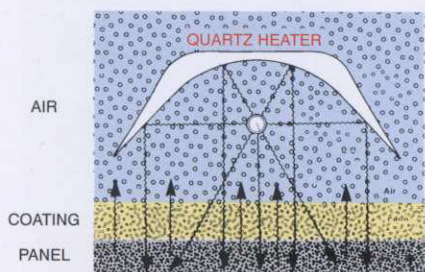
FOR USE IN A SPRAYBOOTH



Every American-made spray booth can be fitted with a quartz infrared paint curing system. Nothing cures faster or more reliably than quartz infrared systems. We've been designing and building them for over 40 years.

## QUARTZ INFRARED CURING TOMORROW'S TECHNOLOGY HERE TODAY

**CURING FROM THE "INSIDE-OUT".** Unlike heated air make-up systems that depend on hot air to dry paint from the top layers down the "**POWER CURE**" system uses narrow energy waves emitted from the quartz tube that pass through the air with minimum molecular contact. As the waves continue into the liquid coating the denser molecular structure of the paint absorbs more of the energy. When the energy waves contact the solid substrate all the remaining energy is absorbed and conducted evenly throughout the panel. When the panel reaches its "point of emissivity" (125-175 degrees F.) the energy is conducted away, first back through the liquid coating and finally into the air. The air is always cooler than the liquid coating and substrate. The 2.35 micron wavelength (high-intensity medium wave) insures the fastest possible cure without the danger of damaging heat sensitive parts of the car. This technology offers the user many advantages, including far superior curing speed, improved gloss, reduced orange peel, superior adhesion, as well as a considerable reduction in energy costs. Since infrared does not depend on heating the air, production and quality are not challenged by cold and wet weather.

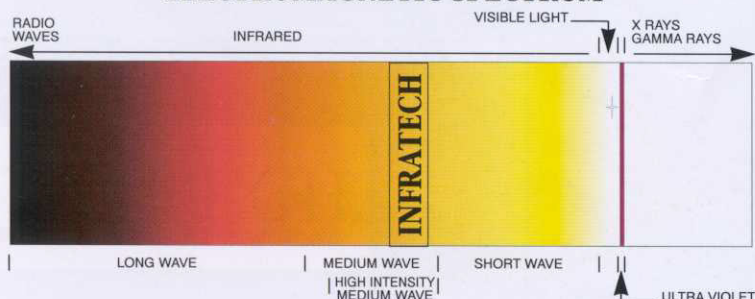


Narrow energy waves heat the **panel** not the air. With quartz infrared the **panel** is always warmer than the coating, and the coating is always warmer than the air above. Solvents and water are forced out quickly.

**INFRATECH** also manufactures a complete line of **portable** curing equipment. The same quality components used to solve challenging industrial applications are incorporated in these quality portable products.



### ELECTROMAGNETIC SPECTRUM





# POWER CURE™

## QUARTZ INFRARED SYSTEMS FOR THE 21ST CENTURY

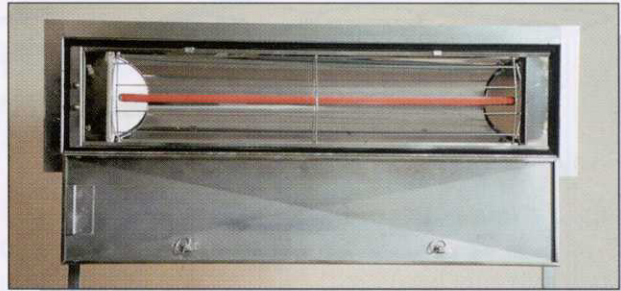
Now is the time to consider high intensity Quartz Radiant Infrared for your shop.

**INFRA**TECH Quartz Curing Systems have always worked well with lacquer primers, acrylic enamels, polyurathanes and lacquers, but the future is water based primers, high solid color coats and high solid low VOC top coats, applied with HVLP spray equipment and these materials demand the unique technology designed into every **INFRA**TECH Heat System. With over 40 years experience in the automotive, aerospace, metal goods and woodworking industries you can be confident when you buy any **INFRA**TECH System it has been thoroughly tested and will perform as advertised.

**INFRA**TECH Quartz Infrared Curing Systems have the features you need:

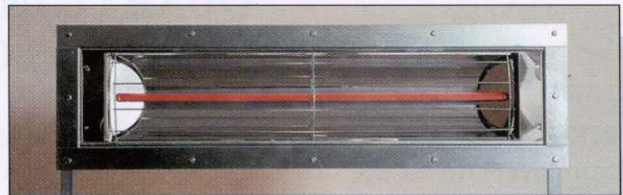
- Cure water base primer in less than 4 minutes
- Cure high solid low VOC clear top coats to a #4 pencil hardness in less than 30 minutes
- Reflow orange peel in primer and clear top coats
- 160 degree panel temperature in less than 4 minutes
- Increase production
- Over 100 different automotive models to choose from
- Achieve highest quality finishing
- Over 2000 spray/cure systems in use
- Spray/Cure Systems available factory installed from many of the nations leading spraybooth manufacturers
- U/L Listed Controls
- Custom designed systems for spraybooths, ovens and prep stations

## POWER CURE™ COMPONENTS FOR SPAYBOOTH INSTALLATION



### SPRAYBOOTH HEATERS

Model	Length	Watts	Volts	Amps
SB10-2024	33"	2000	240	8.3
SB10-2524	33"	2500	240	10.4
SB-2024	39"	2000	240	8.3
SB-2524	39"	2500	240	10.4
SB-3024	61 1/4"	3000	240	12.5
SB-4024	61 1/4"	4000	240	16.6
SB-2024 V	39"	2000	240	8.3
SB-3024 V	61 1/4"	3000	240	12.5



### MOUNTING FRAMES

MF-10	frame only for 33" fixture
MF-20	frame only for 39" fixture
MF-30	frame only for 61 1/4" fixture
MFD-10	Dust Cover Frame for 33" fixture
MFD-20	Dust Cover Frame for 39" fixture
MFD-30	Dust Cover Frame for 61 1/4" fixture

### CONTROLS

Control systems are necessary for spray/cure and oven curing systems to provide maximum control, versatility, operating economy and to comply with many local and national code requirements. Infratech control systems are all UL Listed.



Distributed By:

**INFRA**TECH  
AUTOMOTIVE

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