

TRUE SHORT-WAVE

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More about the **FLEXIBILITY** and **PRECISION** you get with IRT short-wave electric IR inside PowerCure:

There is a great deal of technique built into the PowerCure system. Shortwave IR (TRUE SHORT-WAVE) gives so many possibilities to create results that are exactly according to the request. And since we know the requested specifications change frequently in this business, we have created a software that allows for easy adaptations to the industry demands.

You will always be prepared for today's demands and whatever tomorrow has in store for you.

PowerCure can control the power to the last detail so that you can:

GET THE EXACT RESULT YOU NEED • IN SHORTEST POSSIBLE TIME • AND SAVE ENERGY IN THE PROCESS

FACTS TRUE SHORT-WAVE

- The temperature of the IR emitter gives the IR radiation in short-wave / medium-wave / long-wave.
- The short-wave range is 0,76-2 μm (appr 3538°C-1176°C).
- Our equipment is in the center of this span to ensure maximum possible short-wave energy within the short-wave range.
- Our peak is in other words: 1,2 μm , 2176°C. That is what we call TRUE short-wave.

ABOUT POWERCURE:

- Cure the paint from the inside and out without retaining solvents and moisture
- The car can be polished and processed further immediately after drying
- Return the car in the shortest possible time
- Only activate the necessary IR lamps
- Use a minimum of energy
- Low maintenance need >20,000 working hours/lamp
- Adjust the power range 0-54 kW

With true short-wave IR technique, you will reach full power within 1 second. That is 0-100% in only 1 second! Unrivalled. And it works with the same precision all through the interval for any power setting.

The level of precision is also extremely high in regards to heating the requested surface and not the surroundings, when combined with IRT gold-plated reflectors.

True short-wave IR can be configured into electric installations, a comparatively clean form of energy.

True short-wave IR is extremely versatile in combination with highly flexible intelligent software to easily adapt to industry requirements.

IRT
SYSTEM

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The manufacturer reserves the right to introduce technical modifications.

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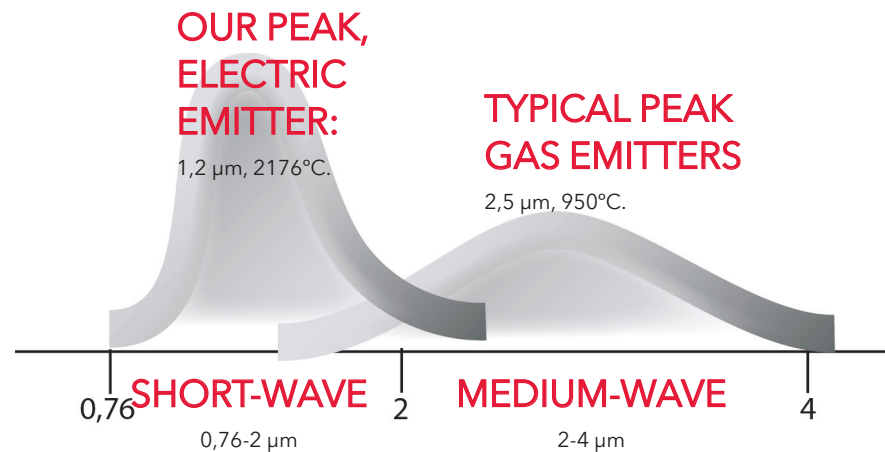
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BY PEAKING IN THE SHORT-WAVE RANGE, WE SECURE ALL THESE ADVANTAGES*:

- Reach full power within 1 second and fast power off
- Work with the same precision all through the interval 0-100% for any power setting
- Cure the paint from the inside and out without retaining solvents and moisture
- Heat the requested surface and not the surroundings (when combined with IRT gold-plated reflectors)
- Optimal use of energy
- Short-wave IR can be configured into electric installations, a comparatively clean form of energy
- Low maintenance >20,000 working hours/lamp
- Extremely versatile in combination with highly flexible intelligent software to easily adapt to industry requirements

*does not apply to gas emitters (medium-wave)



EMITTER:

object which radiates heat

RADIANT ENERGY:

created by an emitter, does not become heat until it hits an object

MICRON (µ):

unit = 1000th

WAVE LENGTH (µm):

unit of measurement for electromagnetic waves of energy

RADIATION:

different wave lengths give different types of radiation, such as visible light, microwaves, etc

INFRARED RADIATION:

is categorized as short-wave, medium-wave or long-wave

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**"POWERCURE IS A TIME SAVER,
ACTIVE 85% EVERY DAY."**



"We get statistics out of the PowerCure system showing energy consumption and much more. A clear coat operation on a light coated car, right hand back door and wing takes 8.55 minutes with a total power consumption of 1,04 kWh!"

**"MY POWERCURE CHALLENGE;
20 CARS/SHIFT"**



"It is all about understanding the system, both automatic and manual settings, so I can fit in both cars and separate parts in as short but effective time as possible. And of course knowing your paint parameters."



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