## CRAFTOLITE PORTABLE & OVERHEAD IR DRYER

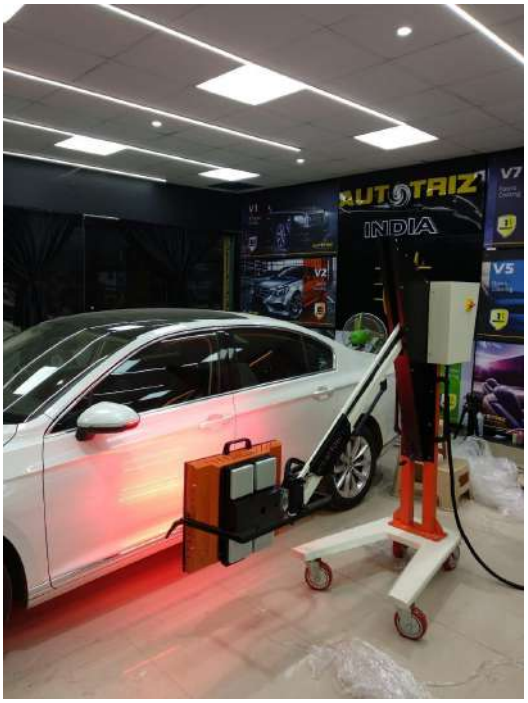
The importance of using infrared lamps for paint drying applications is the quick and even drying of the paint. This minimizes air movement, streaking, and dust particles adhering to the paint surfaces. Pre-treatment and primer coatings can easily be dried to achieve a much faster production process time. Infrared heating for paint applications are most commonly used on aluminium, metal, steel, and wood surfaces.

Infrared dryers are used in paint body shop for drying painted jobs with better quality at a very short time. In a traditional paint booth usually, hot air is made to pass on the jobs which will first heat the oven section and then this hot air will heat the job on outer layer of the paint. Due+ to this some moisture will remain inside the layers which will result in improper finish/short life of the job done. Whereas IR dryers uses short wave technology which heats the job from inside out so that the moisture inside each layer is eliminated which results in quick drying time and ensures long life for the painted jobs.

**MODELS: - CLS PORTABLE AND OVERHEAD IR RAIL SYSTEM**

**CLS Portable IR Dryer**

Our Portable infrared Dryers that are designed and manufactured in Craftolite are to provide the highest performance in compact size. Our portable infrared heater is easily movable and can be the best choice for the Automotive applications.




**Applications & Features**: -

- Suitable for automotive body shops / garages and industries
- For drying putty, primer, paint, and clear coat and ceramic coatings also
- For drying single panel jobs
- Coverage Area 800 mm x 800 mm
- Maximum reach 2100 mm & Minimum reach 300 mm from ground
- Available with different control options such as Timer based & closed loop temperature-based control

**CLS Overhead IR RAIL Dryer System**


Compact, space-saving fixed curing installations. Available as cross rail, wall mounted, and U-systems. With an Craftolite IR Rail System, you can quickly move the infrared heater into the perfect curing position, reaching all parts of the car or other product/components. The rails can be equipped with any number of infrared heaters, all hanging on easy-glide self-balanced cassette arms. Precious space between products/components can be saved and there are no loose or trailing cables on the floor to disturb the work process. The rails can be customized to suit all workshops and assembly lines. A rail system constitutes a flexible solution. Simple installation

- Compact Energy efficient equipment's
- Maximum reach 2000 mm and minimum 300 mm from ground
- Coverage Area 800 mm x 800 mm
- Available with different control options such as Timer based & closed loop temperature-based control
- Easy to move and set up in an exact position
- More flexibility in workshops & No cables on the floor – free areas
- Excellent fit in tight areas between cars or other product/components


PAPER & TEXTILE DRYING APPLICATIONS

We manufacture a wide array of infrared heater lamps with the ability to customize lamps to meet your specific needs. For paper and textile drying infrared heater lamps are well-suited for this application. Infrared heater lamps are used to dry the outer top surfaces of the material and penetrate deep into the material. These speeds up production time and saves on energy costs.

Infrared heating of ink is mostly used for paper, cardboard, and textiles; as well as maintaining a consistent temperature for the ink cartridges.

Applications

1. Moisture drying on different paper materials
2. Drying of water-based coatings on Fabric and technical textile materials and non-oven materials
3. Ink curing on high-speed paper Webs and T-shirt materials
4. Moisture drying in carpet materials

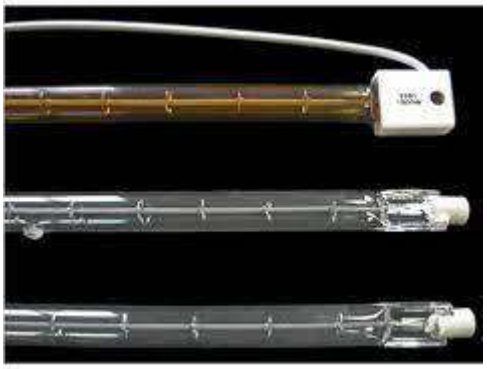
**BLOW MOLDING APPLICATIONS**

The bottle blow molding industry extensively uses infrared heater lamps for plastic bottle molding. Being able to precisely select the IR lamp wavelength allows a consistent plastic bottle to be formed.

We provide variety of Energy efficient IR lamps for Pet Blow machines

## GRAPHIC ARTS APPLICATIONS

Our lamps are ideal for drying ink for graphic arts and silkscreen presses when printing on surfaces such as paper or textiles. With short and medium wavelengths, with wattages ranging from 1000 W to 6000W and the flexibility to customize lamps, our Lamps are repeatedly chosen for their quality.



# SEMICONDUCTOR APPLICATIONS

Precise temperature and heating zones are required in the semiconductor industry. Our IR lamps provide a precisely controlled IR source that can meet the stringent needs of the semiconductor industry.

Our IR lamps convert approximately 90% input energy into IR radiant heat. In combination with reflectors, the infrared energy can be evenly distributed and optimum temperatures are achieved. Infrared Heater Lamps creates an extremely clean, safe, and efficient heat energy source.

Quartz lamps are high-temperature heat sources with potentially high-radiant energy concentration – when lamps are installed close together – deliver maximum power density of equipment and process time. High temperature in a very short time on the wafer and short process cycle.

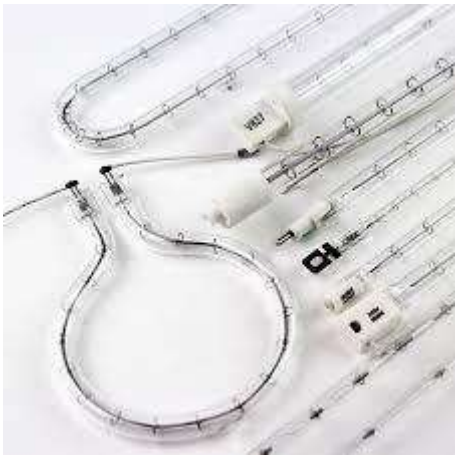
## 3D PRINTING APPLICATIONS

3D printing is an up-and-coming industry that requires precise substrate and environmental temperatures to obtain the best 3D print results. We offer a wide array of custom design capabilities to fit your specific needs.

Usually, a laser beam fuses together the outline, layer by layer, on the basis of pre-configured construction data.This makes it possible to manufacture any form that can be built using a 3D CAD program. Expectations are increasing in terms of quality and efficiency.

The preheating of the powder bed is a key step – and is performed using infrared emitters.

Alongside the type of powder material used, heat distribution within the chamber is another crucial factor. Heraeus offers infrared lamps that can be precisely tailored to the material – in terms of power, form, and wavelength



## CURING APPLICATIONS

The Craftolite IR technology for curing is targeted to provide heat to specific areas where and when it is needed on demand. With the increasing popularity of powder coating curing applications, IR lamps apply even distribution of heat, resulting in polished and smooth surfaces.

AUTOMOTIVE PLASTIC PARTS ADHESIVE ACTIVATION

Craftolite conveyor IR Ovens proved to be most economical and affordable for Plastic part adhesive activation and Plastic part preheating.

Plastic granules are most efficiently and uniformly heated with our conveyor dryers.

Features: -

Fast, precise, uniform, and Economical

Less energy consumption and high productivity

Equipped with most advanced controls