

PRODUCT FACTS

IRT- 5400

Suspended Rail Dryers for the Preparation Area

Field of application

IRT Suspended Rail Dryers are the ultimate equipment for fast and efficient spot repair on all kinds of paint material. Used in the preparation area they can cure any paint and panel in just a few minutes time.

Advantages

Using the efficient IRT heaters hanging from over-head rails in the prep area can easily



double the throughput while at the same time improving shop efficiency and productivity. All translating into increased profitability and short pay-back time.

Technical description

The IRT-5400 can be equipped with any number of heaters, all hanging on easy-glide, self-balanced cassette arms. Easily manoeuvred they can reach all parts of the car and cover many prep stations.

The rails can be tailor-made to suit any size of prep area. Apart from carrying the heaters, the rails also serve as the electrical power source for the heaters without any loose or trailing cables disturbing the work process.

The heaters are delivered as one or two-cassette models depending on the area coverage desired. The heater lamps are positioned in gold coated precision reflector bodies, ensuring most even and efficient heat distribution. All lamps are cooled by a ventilator fan.

Drying time and power is controlled by a microprocessor which, pre-programmed for different types of paint, automatically handles the entire curing process.

As an optional feature the heaters can be equipped with an automatic temperature control and distance sensor providing additional control of the curing process.



IRT-System is the trademark for a complete drying programme developed by Hedson Technologies AB.

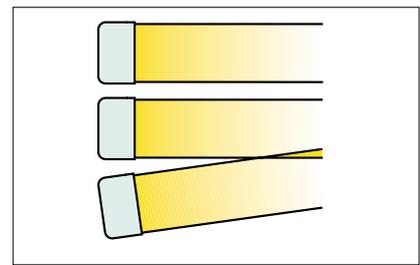
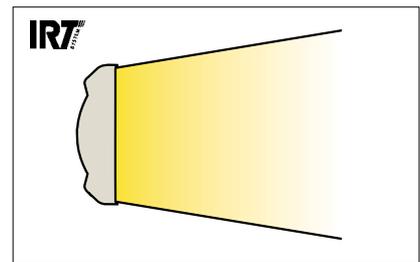
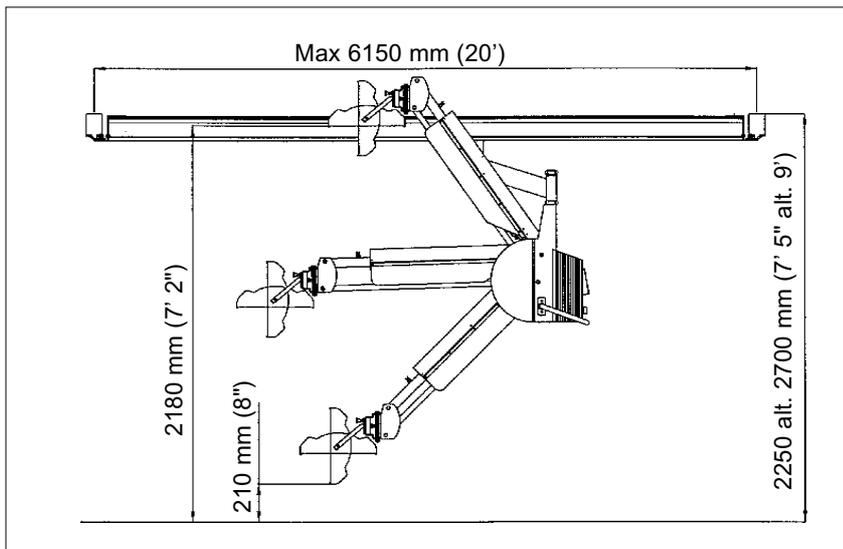
It comprises everything from hand tools to large industrial installations.

The company operates throughout the world and within several different product areas.

Ever since it was founded over 30 years ago, Hedson Technologies AB has been a pioneer and leader within the IR-area.

Our quality and environmental systems are certified in accordance with ISO 9001 and ISO 14001.

Technical description, IRT-5400



Installation measurements

The rails can be made to suit any working area and can be fitted on different heights. In large shops with many preparation bays

several heaters can be fitted from the same overhead rails.

The compact heater cassettes can easily reach all parts of the car and cure any panel.

Heat distribution

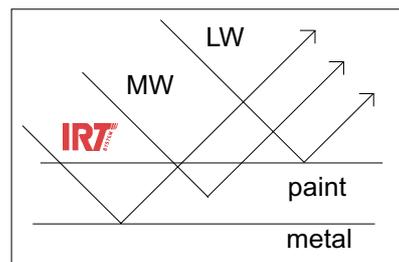
To ensure an even heat distribution, the IRT lamps are rigidly set in easily adjustable cassettes. Positioned parallel with the panel an even temperature is obtained over an area many times larger than the cassette.

With many lamps adjusted individually there is a big risk that one area may become overheated and another under-cured.

Specifications	IRT-41	IRT-42
Power, kW	6	12
Area coverage, l x h, m (in.)	1 x 1,4 (40 x 55)*	2 x 1,4 (80 x 55)*
Number of cassettes	1	2
Power levels	8	7
Operating distance, m (in.)	0,6 (25)	0,6 (25)
Drying programs, preinstalled individual	6 3	6 3

*) area measured on dark panel

Putty	2 - 3 mins.
Filler	3 - 6 mins.
Primer	5 - 8 mins.
Basecoat	4 - 8 mins.
Topcoat	6 - 10 mins.
Clearcoat	5 - 10 mins.



Electrical data

IRT-41
230 V, 3 Ph, 15 A
400 V, 3 Ph, 8 A

IRT-42
230 V, 3 Ph, 30 A
400 V, 3 Ph, 16 A

Drying times

The drying time is very short. The above times are typical for 2-pac material including water-borne paints. For the most common paint materials times and power levels are programmed into the heater.

Drying method

IRT short-wave infrared penetrates the paint, heats the sheet metal and cures the paint from the inside out. Medium-wave (MW and long-wave (LW) heating only reach to the middle of the paint or even stops at the surface.

The manufacturer reserves the right to change product design and specifications without prior notice.

Hedson Technologies AB and IRT-System are registered trademarks.
HEDSON TECHNOLOGIES AB, 2000

