

PRODUCT FACTS

IRT- 7000

The Paint Curing Arch for one or two Booths

Field of application

IRT's paint curing arches are the ultimate equipment for fast and efficient paint refinish. Everything from a single spot repair to 40 or more mixed jobs a day can be achieved. The arch can cure any paint and panel in a matter of minutes, including waterborne materials and high solids.

Advantages

Using the efficient IRT-7000 arch 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. A severe lack of booth capacity, particularly on a restricted site, is a difficult and expensive problem to resolve. The IRT arch gives excellent results and requires very little floor space.

Technical description

The IRT-7000 arch is suspended by rails attached to the spraybooth walls and is easily adapted to all types of booths. Power is supplied by electrified rails.

The arch is computer controlled and preprogrammed with specific information related to different paint products, materials and colours.

When paint spraying is finished, selecting those surfaces to be dried is fast and easy. Up to 15 different surfaces may be chosen. A sensor registers the vehicle and the arch quickly moves to its correct starting position. As the arch moves along the vehicle, it automatically measures the height of the car. The power is adjusted quickly and smoothly for a fast, efficient high quality cure. IRT's patented turning mechanism

allows for 'wrap-around' coverage of the entire car.

A single panel takes just a few minutes and a full respray about twenty. The IRT-7001 is designed for a throughput of ten to twenty mixed jobs a day. The IRT-7002 is installed between two in-line booths. It alternates between the booths allowing for spraying to take place in one booth while the painted panels are being cured in the second booth.

The arch is delivered with a safety surveillance system to assure safe and reliable operation under all conditions. During spraying the arch is separated from the spray chamber by an automatic roller door (not included).

IRT Art



2 x IRT-7001



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-7000

IRT-7000 delivery includes

Arch	Guarantee, 12 months
Rails (cut to order)	Software
Safety monitoring system	Owner's manual
Operator's panel	Technical documentation

Electrical specifications

Voltage	400 V, 3 phase, 50-60 Hz
Current	80 A
Utilized output	maximum 40 kW
Average consumption	below 2 kWh (per repair)

Weight

IRT-7000 Arch	325 kg (716 lbs)
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The control equipment includes sensors and microprocessors which register and regulate, for example, power output, speed, distance and times. It adapts the function to suit different paint materials as well as the size and shape of the vehicle.
Recommended minimum air drop in the booth is 0,15 m/s (0.5 ft/s).

Key advantages, IRT-7000 arch

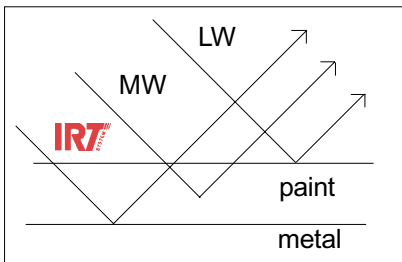
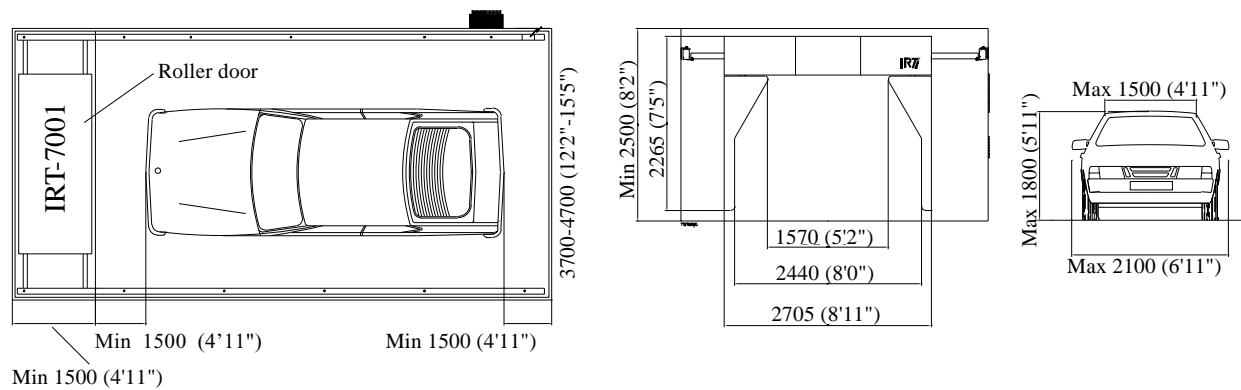
Higher profitability in your business through:

- Major time savings (often several hours a day)
- Effective planning and control of the workshop flow
- Increased throughput (often more than double)
- Only a fraction of former energy consumption
- Increased customer satisfaction (quick/fast repair)
- Estimate in the morning - deliver in the evening
- Competitive advantage for your body shop
- High quality repair
- Gloss and hardness often better than original
- Extraordinarily short pay-back time
- Limited dismounting/mounting of parts
- Less rubbing/polishing

In addition

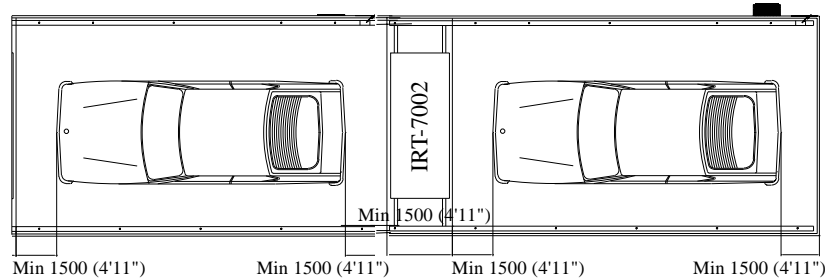
- Ecology-friendly
- Future-oriented technology
- Eliminates the need for larger premises and more staff
- Proven technology; 20+ years of arch experience

IRT-7001



Principle: Short wave IR works from the inside out. The heat penetrates all the way down to the sheet metal. The paint is fully depth-cured as opposed to curing with hot air (LW).

IRT-7002



Measurements, IRT-7001 and IRT-7002



The arch carries the CE mark.

Hedson Technologies AB and IRT-System are registered trademarks.
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