

IRT Mobile dryers



When results count

IRT
SYSTEM

Cars received in the morning can be delivered the same evening

No other piece of equipment improves the flow in a workshop as dramatically as the IRT-dryer. Bottle-necks cause grief in many workshops. A better work flow leads to improved working conditions and a quicker service, as well as a better paint job. This of course results in higher customer satisfaction. But most importantly, a higher number of repairs at a faster rate increases turnover and profitability.

The IRT-dryer saves you time on every job. Use it as soon as the damaged car arrives, to dry and heat up damp and cold surfaces. Use the IRT-dryer at every step to speed up the curing process. You can grind the panel as soon as it is cool. A faster drying time minimizes the risk of dust caught in the paint and greatly reduces the need for polishing. If you make a mistake, which we all do from time to time, you notice the error immediately and can repeat the process in a fraction of the time it would have taken without the IRT-dryer. Now you can receive a car in the morning and deliver it the very same evening.

Built for professionals

The IRT-dryer is a professional tool with a high technical standard, while remaining user friendly. Every part of the IRT-dryer is designed with the workshop in mind. Attention to detail and quality construction ensures years of trouble free use.

Our dryers have the shortest drying times in the entire industry. But it is not only the drying time that counts in terms of time consumption. Every setting must be quick and easy. The cassette can be aimed in one single operation, as can the height. Once set, curing is a one button operation.

Highest efficiency

Within the cassette, the reflectors are placed as to provide the largest possible drying surface while maintaining very even temperature uniformity. This is done by combining reflectors with different divergence with lamps of different power. The reflector surface is coated with a thin layer of pure gold to increase its reflection. This results in minimal heat loss and less energy consumption. A fan keeps the reflectors and lamps clean and cool, thus greatly increasing their working life.

Simple and safe drying

Control of the IRT-dryer demonstrates the latest technology. The computer controlled IRT models have nine different drying programs to choose from. These are changeable and can be tailored to suit your specific needs. All programs have two stages; flash-off and curing, for each of which there are up to eight power levels, depending on the model. All programs also have two settings, High and Low. The lower setting can be used for sensitive materials, such drying plastic, whilst the higher setting uses the dryer's full capacity.

The unique OCF (Optimal Cur-

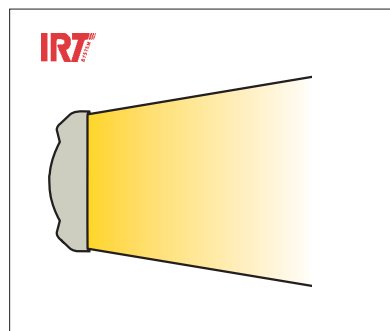
ing Function) technique beats the heat into the paint. This allows for a faster drying process with less energy consumption.

A perfect result

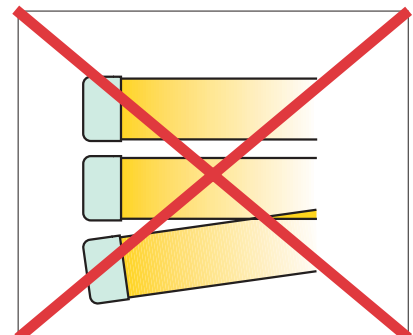
With the XLNC models, the desired drying process is programmed and the dryer follows these precise settings. An infra-red temperature gauge (pyrometer) carefully monitors the different stages and the microprocessor reacts instantly, regulating the power output. A laser point circle shows the exact location where the reading occurs and an ultrasound gauge measures the distance.

Stable and flexible

The stand is robust yet light. Due to its low centre of gravity the dryer is remarkably stable in all positions. For instance, it has a vertical range of up to three meters (9,5 ft) if the cassettes are placed upright. Drying roofs on standard size cars is easily done with large wheels smoothly rolling over grated floors and hoses. The cassettes can be angled in relation to each other to dry corners. Depending on the surface to be dried, you can choose whether to use one or two cassettes.



To ensure that the heat distribution is even, the IRT lamps are rigidly set in a compact, easily adjustable cassette.



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



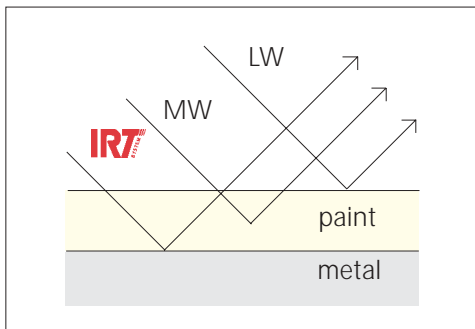
The IRT-400 series is unique – no other dryer on the market comes close to its performance in terms of drying and area cured.



With the IRT dryer the drying standard is increased considerably; higher gloss, harder paint and less dust in the paint.



The IRT-dryers are well known and highly regarded tools for professional car painters worldwide. We have been the pioneers and leaders of IR-development for nearly 40 years.



Simplified diagram: Short wave heat dries from the inside out, while medium wave and long wave (e.g. warm air) mainly dry the surface.

Short wave for the most effective drying

All IRT dryers utilise short wave technology. This guarantees the most effective heat transmission. Short wave IR has several additional advantages. It is easy to control, gives full heat instantly and penetrates deep into the paint work. The paint dries from the inside out, without solvent and humidity remaining and affecting the quality. Heat loss to the air is kept minimal and all energy is transferred to the surface to be dried. Short wave lamps also have a longer life than medium wave elements.

Dryers without competition

Our large dryers have the best price/performance ratio on the market. Unrivalled drying times combined with large, even surfaces make these dryers a highly appreciated tool in all types of workshops.

Even the IRT-300 is well equipped with nine curing programs, OCF, gold-coated reflectors, a large cure area and many more adjustable features.

The IRT-400 is unique – no other dryer on the market is comparable in terms of its performance level drying very large surfaces in just a few minutes. If the XLNC function is added this dryer can be trusted with any highly complicated task. The conditions have never been better to allow for the perfect job.



The entire drying process is controlled with just a couple of buttons.

IRT-401/402

These dryers are ideal for large workshops and high demands. With their high power (12kW) the IRT-402 can dry an entire roof or two doors in a single drying procedure. The drying times are extremely short, even for the top coats or water based materials. The paint is completely cured to the highest quality.



XLNC – Automatic temperature control

All IRT-400 dryers are also available with temperature control. The desired drying information is programmed and the dryer adjusts instantly to the new settings. An internal laser pointer and distance meter facilitates this programming.



IRT-301/302

These dryers of 3 and 6 kW respectively are our highest selling models and the standard dryer for workshops of all types. They are used mainly for smaller to medium repairs and base materials, but are also powerful enough to dry top coats and clear coats.



IRT-302 Flex

IRT-302 Flex is an upgraded IRT-302. This is delivered with the same flexible cassette arm as the IRT-402 or IRT-402 XLNC to enable it to dry corners, as well as with 10 metres of cable.

Dryers for all needs

These are examples of the smaller and simpler dryers, mainly intended to dry putty and filler in the preparation area.



After just three minutes of curing the filler with an IRT dryer, sanding can be easily carried out. The putty is completely cured.



Despite longer curing times with other curing method, only the surface is dry and the sanding paper gets clogged.

IRT-301T

IRT-301T is basically an IRT-301, but is equipped with a timer. IRT-301T has the same quality stand and mechanical setting options as the rest of the IRT-300 series, but lacks the programs. As the cassette is the same, the IRT-301 performs equally as well.



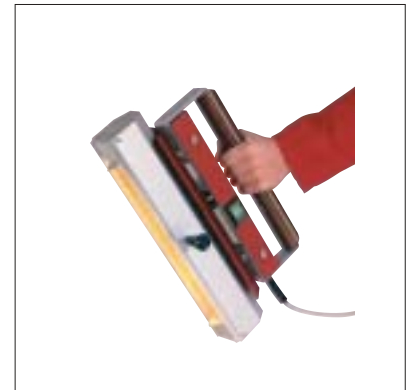
IRT-030

This model is intended for drying vertical surfaces and is equipped with timer control. It has the same cassette as the IRT-300 series and the drying surfaces and drying times are similar to those of the IRT-301.



IRT-010

This hand-held heater of 1kW has several uses, including curing feather edges or drying in hard to reach areas. It is also used to soften trim mouldings when replacing wind-screens or removing stripes. It can be equipped with anti-glare lamp and a stand.



Drying times

Putty	2-3 min
Filler	3-6 min
Primer	5-8 min
Base coat	4-8 min
Top coat	6-10 min
Clear coat	5-10 min

Drying times are extremely short. The above times apply to 2-pac material, water based material and to the IRT-400 series. For the IRT-030 and IRT-300, add one minute.

Drying surfaces

Due to the design of the reflectors, drying surfaces several times larger than that of the cassette can be achieved. All measurements are done on dark paint.

IRT-401,
IRT-401 XLNC



1,0 x 1,4 m
40 x 55 in

IRT-402, IRT-402 XLNC



2,0 x 1,4 m
80 x 55 in

IRT-030, IRT-301



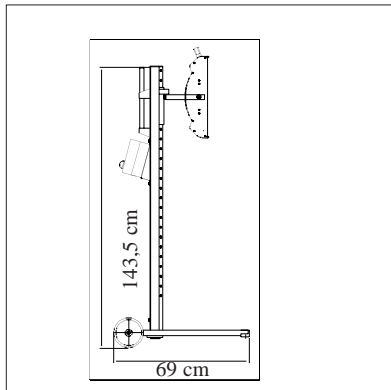
1,0 x 0,9 m
40 x 35 in

IRT-302



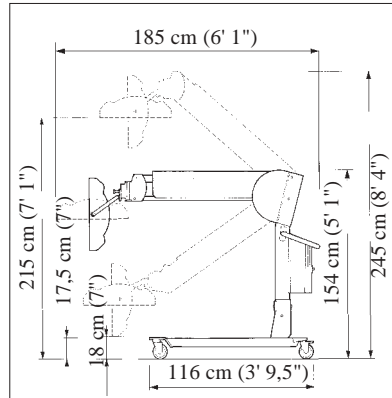
1,6 x 0,9 m
63 x 35 in

Technical Data



IRT 030

~ 14 kg

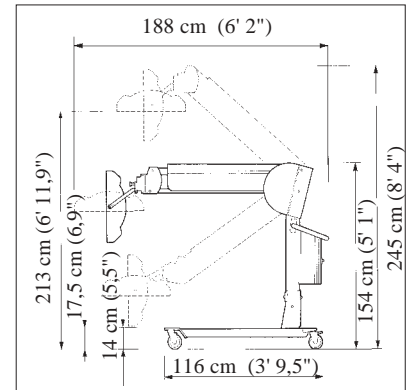


IRT 301

IRT-401 /401 XLNC

~ 60 kg

~ 62 kg



IRT-302

IRT-402/402 XLNC

~ 68 kg

~ 70 kg

	IRT-030	IRT-301T	IRT-301(D)	IRT-302(D)	IRT-401	IRT-402	IRT-401 XLNC	IRT-402 XLNC
Number of cassettes	1	1	1	2	1	2	1	2
Power, kW	3	3	3	6	6	12	6	12
Dried area, m x m	1,0 x 0,9	1,0 x 0,9	1,0 x 0,9	1,6 x 0,9	1,0 x 1,4	2,0 x 1,4	1,0 x 1,4	2,0 x 1,4
in x in	40 x 35	40 x 35	40 x 35	63 x 35	40 x 55	80 x 55	40 x 55	80 x 55
Working distance, m	0,5 - 0,7	0,5 - 0,7	0,5 - 0,7	0,5 - 0,7	0,6	0,6	0,6	0,6
in	20-28	20-28	20-28	20-28	25	25	25	25
Power levels	1	1	2	2	8	7	8	7
Pre-programmed+pers. programs			8 + 1	8 + 1	8 + 1	8 + 1	8 + 1	8 + 1
Adjustable time/power level			x/	x/	x/x	x/x	x/x	x/x
High and low program			x	x	x	x	x	x
Optimal Curing Function			x	x	x	x	x	x
Automatic time control			x	x	x	x	x	x
Automatic temperature measuring and temperature control							x	x
Distance meter and laser pointer							x	x
Reach, m (in)	1,5 (59)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)
Flexible cassette arm)		x		x
Main cable, m (in)	5 (17,5)	5 (17,5)	5 (17,5)	5 ⁾ (17,5)	10 (35)	10 (35)	10 (35)	10 (35)
Distance meter			D	D				

⁾ IRT-302 Flex (D) is supplied with a flexible cassette arm and 10 m cable

Electrical data

IRT-402 and IRT-402 XLNC

230 V, 1 Ph	48 A	11 kW
230 V, 3 Ph	30 A	12 kW
400 V, 3 Ph	16 A	12 kW

IRT-301 and IRT-030

230 V, 1 Ph	13 A	3 kW
230 V, 3 Ph	8 A	3 kW
400 V, 3 Ph	4 A	3 kW

IRT-302, IRT-401 and IRT-401 XLNC

230 V, 1 Ph	26 A	6 kW
230 V, 3 Ph	15 A	6 kW
400 V, 3 Ph	8 A	6 kW

IRT-010

110 V, 1 Ph	9 A	1 kW
220 V, 1 Ph	4 A	1 kW

IRT-System is the trademark for a complete drying program developed by Hedson Technologies AB. It comprises everything from hand-held tools to large industrial installations. The company operates worldwide. The quality and environmental systems are certified in accordance with ISO-9001 and ISO-14001.

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