

IRT-300, IRT-400 and IRT-400 XLNC



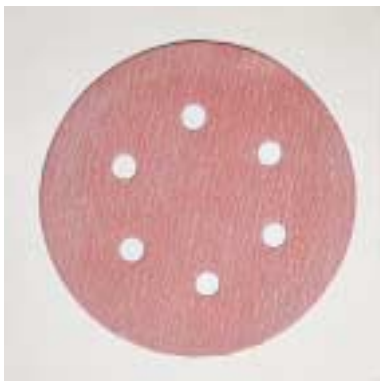
When results count

Larger areas and precise drying

We are now proud to present the next generation of mobile paint dryers. This means that the drying areas are much larger and that the process has become even quicker, more energy efficient and safer. IRT-300, IRT-400 and IRT-400 XLNC - ultimate tools for professional users with high standards.

Fully cured in just a few minutes

IRT's modern paint dryers enable paint repairs to be carried out very quickly. Using an IRT-400, just a few minutes are needed in order to completely cure virtually any paint material.



After just three minutes of curing the filler with IRT-401, sanding can be easily carried out. The putty is completely cured.



An alternative curing method is used requiring a much longer drying time. The surface seems dry, but the putty is soft inside.

An entire roof or half a side

IRT offers the market's largest cured areas together with the highest drying capacity. The entire roof of a mid sized car can be fully cured in a single drying process with an IRT-402. Two doors, or one door and a fender, can also be managed without any problems. Moreover, temperature evenness is unrivalled.

Safe and simple drying

Reaching and maintaining the highest quality curing results has never been easier. Together you and the computer have complete control over the entire process. All the necessary curing data is built in! Simply press a button and the computer does the rest. You can be assured of consistent, quality results every time. IR curing has never been so safe, and so simple.

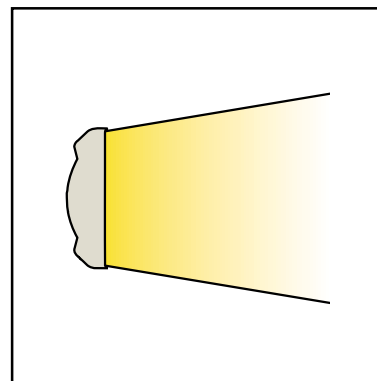
Less energy for a better result

The new dryers are also equipped with OCF (Optimal Curing Function). This feature pulsates the energy using more or less intensive heat whenever necessary during the curing process. You use exactly as much, or as little, energy as required. This ensures optimal energy efficiency and curing.

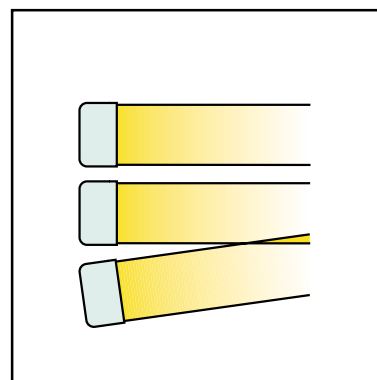
Less expensive repairs

The larger drying areas means cheaper and faster repairs. Low energy consumption is achieved through short curing times and even heat. IRT's high product quality ensures that service costs remain low.

However, your most important concern is your customer. Cars received in the morning can be returned to the owner by the end of the business day. Bottle-necks disappear and throughput increases. This means fast and high quality repairs that will satisfy both you and your customer.



To ensure that the heat distribution is even over the entire drying area, the IRT lamps are rigidly set in an easily adjustable cassette.



With single heat lamps that must be individually adjusted, there is a big risk that one area may become overheated and another under-cured.

Winner on points

Short wave IR lamps convey heat more effectively than other types of lamps. They are effective as soon as you start the dryer and ensure that the heat penetrates to the metal, curing the paint from the inside out.

The fixed reflectors are positioned into adjustable cassettes using computer generated patterns, a combination which is unbeatable!

The cassettes have a built-in ventilator which cools the lamps and prolongs their operational life. In addition, the cassette is kept free from overspray and dust.

Thin netting protects the lamps from knocks and protects you from contact with the hot lamps.

The reflectors are coated with a thin layer of pure gold. Gold reflects 98% of the IR energy, not only the first time but for the entire life of the dryer.

The supporting arm's movements are balanced by a gas spring. This makes it easy to adjust the cassettes to the correct position using only one hand.

The wide handle facilitates the manoeuvrability and also acts as a cable hanger.

On the more advanced models, the temperature is continually measured and the energy adjusted accordingly.



The electronic control box is located at the centre of the control panel. Modern computer technology provides a number of special features, i.e. an interactive display unit in many languages and the possibility to make your own fixed programmes.

The built-in distance sensor makes it easy to set the proper distance from the panel.

OCF (Optimal Curing Function) is also incorporated. This is a unique technique which uses pulsated energy to force heat into the paint material. Our experience shows less energy consumption, more effective and better curing results.

Large, rubber-covered wheels enable you to easily manoeuvre the dryer over pipes, cables and grated floors, etc.

By introducing a large base and an angled stand, we have been able to reduce the weight and distribute it evenly. This means a stable and easily manoeuvrable dryer with good balance in all situations, even with fully extended cassettes.



On the IRT-402 and IRT-402 XLNC, the cassettes can be angled in order to dry around corners. They can also be positioned vertically.



The IRT dryers are highly flexible and have a large reach. The drying capacity is unrivalled.



By using just a couple of buttons, you can easily control the entire drying process. The display unit provides clear, valuable information in several languages.



The lamps are placed in computer designed configurations so as to maximise the drying effect. The fixed positioning ensures a very even temperature distribution.



IRT-400 XLNC is equipped with automatic distance measuring and temperature control.



The cassettes are supplied with ventilators which ensure long lamp operational life. The filter area is large in order to effectively keep overspray and dust at bay.



Main picture:

It is important to be able to dry large areas. The temperature must be high and even across the whole area in order to obtain good results.

Three models and six variations

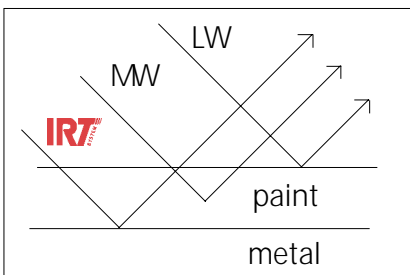
All our dryers have extremely short drying times. They are light and flexible and have a large reach. They incorporate one or two cassettes and are available for several power supplies.

IRT-300 is the base model and even this model is equipped with gold coated reflectors, OCF, pre-programmed drying times, computer control, etc.

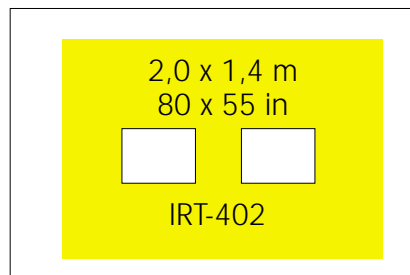
IRT-400 is more powerful. The higher power primarily ensures a larger drying area and to a certain extent higher temperatures and shorter times. This model also offers additional features.

IRT-400 XLNC is equipped with automatic distance measuring and temperature control. It is also possible to create your own "tailor-made" drying programmes.

	IRT-301	IRT-302	IRT-401	IRT-402	IRT-401 XLNC	IRT-402 XLNC
No. of cassettes (Power, kW)	1 (3)	2 (6)	1 (6)	2 (12)	1 (6)	2 (12)
Dried area, m x m (in x in)	1,0 x 0,9 (40 x 35)	1,6 x 0,9 (63 x 35)	1,0 x 1,4 (40x55)	2,0 x 1,4 (80 x 55)	1,0 x 1,4 (40 x 55)	2,0 x 1,4 (80 x 55)
Drying capacity, m ² /h (sqft/h)	12 (129)	19 (204)	24 (258)	48 (516)	24 (258)	48 (516)
Working distance, m (in)	0,5-0,7 (20-28)	0,5-0,7 (20-28)	0,6 (25)	0,6 (25)	0,6 (25)	0,6 (25)
Flash-off/curing, energy levels	2	2	8	7	8	7
Built in drying programmes	6	6	6	6	6	6
Installation of own times	3	3	--	--	--	--
Installation of own programmes	--	--	3	3	3	3
Optimal Curing Function	x	x	x	x	x	x
Automatic distance measuring	--	--	--	--	x	x
Automatic temp. control	--	--	--	--	x	x
Automatic time control	x	x	x	x	x	x
Reach, m (in)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)	2,1 (83)
Main cable, m (ft)	5 (17.5)	5 (17.5)	10 (35)	10 (35)	10 (35)	10 (35)



Principle: Short wave IR works from the inside out. The heat penetrates all the way through to the sheet metal. Medium wave does not reach any further than the middle of the paint material and the heat from a long wave dryer or a heated oven stops at the surface.



The cassette size is compact. Using a patent pending reflector solution, a curved area, several times larger than the cassette is obtained with an unequalled even temperature spread.

Putty	2-3 mins.
Filler	3-6 mins.
Primer	5-8 mins.
Base-coat	4-8 mins.
Top-coat	6-10 mins.
Clearcoat	5-10 mins.

The drying times are extremely short. The above-mentioned times are applicable for IRT-400 and for 2-pac material. Times and power levels for the most common paint materials are pre-programmed into the control unit.

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.



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