



IRT UV-A LED CURING

High-quality, high-intensity UV-A LED curing



IRT
SYSTEM

HEDSON



IRT UV SMARTCURE

200 W UV-A LED battery operated curing

SmartCure comes with two exchangeable batteries and cures UV-A filler and primer in seconds, available for 365 nm/ 395 nm.

IRT UV SmartCure has an extremely powerful output, offering market leading peak/average light intensity.

By combining a powerful UV-LED-module, advanced cooling technology and light weight batteries, reliable, highly effective, non-fluctuating UV-curing is achieved.

Advanced electronics minimizes the risk of machine damage by active ventilation and by monitoring the temperature of both electronics and LED-module. This provides safe operation with efficient steady state voltage LED-output and current control regulation.

- Available for 365 nm/ 395 nm
- Weighs just 1 kg, for excellent work comfort
- High intensity is constant until battery is at 0%



ELIMINATE DOWNTIME

With two exchangeable 18V lithium-ion batteries and 45 minute charging time, IRT UV SmartCure is always available.

RELIABLE CURING RESULTS

By working closely with leading paint manufacturers IRT enables reliable paint processes in all bodyshops.

ULTIMATE CURING GUIDE

To obtain peak performance, work at appr 100 mm from surface. @ filler/primer thickness 80-120 µm, Ø 160 mm is cured in appr 10 sec. (Peak light intensity >350 mW/cm², average >250 mW/m²).



WALL BRACKET

Magnetic wall bracket, included as standard.



DUST COVER

Optional protective dust cover with magnets, art no 715193.



UNIQUE BEAM SPREAD

24 pieces of domed LED's create a unique beam spread over the complete curing area.



HARD CASE*

Optional heavy-duty case, art no 800806.



CARDBOARD BOX*



DISPLAY GUIDES THE WAY

All fillers, primers and clear coats have different curing cycles.



LOW MAINTENANCE

Replaceable filter protects electronics inside, art nr 715074.

SUPER LIGHT AND ERGONOMIC

Tested to withstand high impact. Flame resistant plastic shell reinforced with 25% glass fiber and 3 mm scratch and solvent resistant tempered safety glass. Light-weight comfort and easy to use with a precise trigger switch.



DETAILS

Battery type	18 V Lithium-ion
Weight, IRT UV SmartCure + 1 battery	1,16 kg
Dimensions, IRT UV SmartCure + 1 battery (WxHxD)	189x250x88 mm

IRT UV SMARTCURE

Part no.	Article	Current, SmartCure / Charger	Power	Voltage (Battery charger)	Risk Group EN 62471	Frequency
715070-X*	SmartCure 395 nm	8A/2A	200 W	100-240 V	(RG-3)	50-60 Hz
715365-X*	SmartCure 365 nm	8A/2A	200 W	100-240 V	(RG-3)	50-60 Hz

2 batteries, charger, magnetic wall bracket and UV Safety glasses included in delivery. Ambient temp max 40° C.

* SmartCure 395 nm alternatives:
EU; in cardboard box 715070-1 / EU; in hard case 715070-2
NA; in cardboard box 715070-3 / NA; in hard case 715070-4
UK; in cardboard box 715070-5 / UK; in hard case 715070-6
JP; in cardboard box 715070-7 / JP; in hard case 715070-8
AUS; in cardboard box 715070-9 / AUS; in hard case 715070-10

* SmartCure 365 nm alternatives:
EU; in cardboard box 715365-1 / EU; in hard case 715365-2
NA; in cardboard box 715365-3 / NA; in hard case 715365-4
UK; in cardboard box 715365-5 / UK; in hard case 715365-6
JP; in cardboard box 715365-7 / JP; in hard case 715365-8
AUS; in cardboard box 715365-9 / AUS; in hard case 715365-10

IRT UV SPOTCURE

400 W UV-A LED flexibility

IRT UV SpotCure is a robust, easy-to-use, UV-LED curing unit designed for many hours of high efficiency curing. High-intensity, handheld flexibility.

Low energy consumption and a long LED life time keeps the cost per curing job very low. With built-in fans, the UV-A LED's and internal components are kept cool, reducing the risk of overheating the units.

This extends the lifetime of the lamps to beyond 20,000 hours, with a minimal loss of curing power over that time.

- High intensity curing with 400 W power
- Powerful ventilation, long life, low maintenance
- Retrofit your UV SpotCure with a stand
- Add an optional timer to your stand

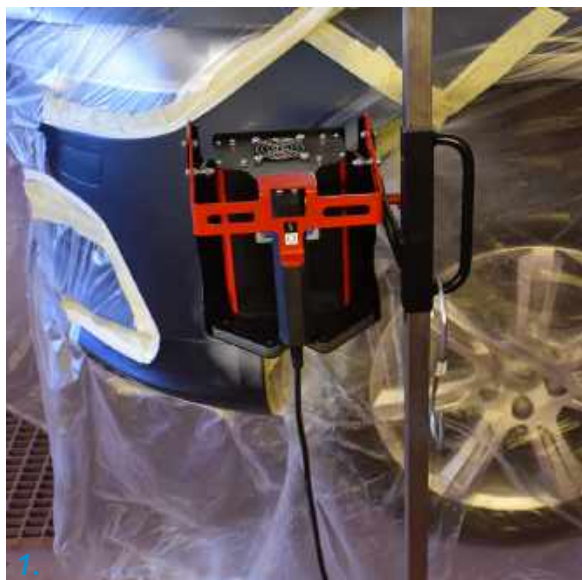
ULTIMATE CURING GUIDE

To obtain peak performance,
work at appr 100 mm from surface.
@ filler/primer thickness 80-120 µm:
Ø 200 mm is cured in appr 20 sec.
(Peak light intensity >120 mW/cm²,
average >70 mW/m²).

SPOTCURE

Magnetic bracket for flexible handheld curing.
Retrofits to stand, if requested.





1.

1-2. SPOTCURE ON STAND (OPTIONAL)

Combined fixed/handheld curing. With the optional stand, SpotCure handles larger curing areas. Add a timer for precision.


TIMER

Timer for stand (optional)



2.

IRT UV SPOTCURE

Part no.	Current	Output power	Fuse	Voltage	Risk group EN62471	Frequency
800805 Stand						
712821 Timer for stand (not for 800802, NA)			10 A	220-240V, 1 PH, EU		50 Hz
750746 SpotCure	1.7 A	400 W	10 A	220-240V, 1 PH, EU	3 (RG-3)	50-60 Hz
800801 SpotCure	1.7 A	400 W	10 A	220-240V, 1 PH, UK	3 (RG-3)	50-60 Hz
800802 SpotCure	4.0 A	450 W	15 A	110-130V, 1 PH, NA	3 (RG-3)	50-60 Hz

UV Safety glasses included in delivery. Ambient temp max 40° C.

DIMENSIONS

Handheld (WxHxD)	147x195x160 mm
Handheld weight	1,56 kg
Bracket (WxHxD)	245x370x270 mm
Bracket weight	5,54 kg
Stand (WxHxD)	450x1450x600 mm
Stand weight	13 kg
Cord length	8 m

IRT UV-A LED CURING

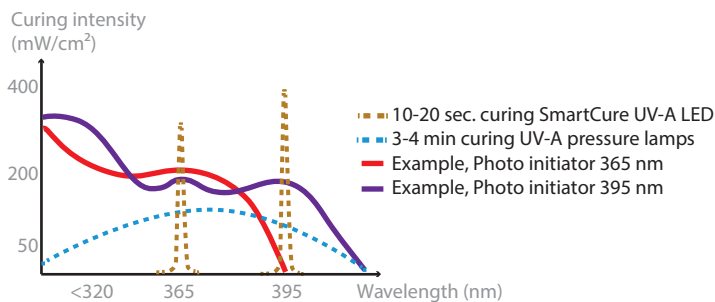
WHY UV-A LED CURING?

UV-A curing with Light-Emitting Diodes (LED) generates, near-instant curing intensity, cold curing the painted surface without heating up the surrounding air.

Overall maintenance is reduced and the elimination of a warm-up cycle reduces technician down time.

WHAT IS A PHOTO INITIATOR (PI)*?

The energy in the UV-A light polymerizes and cures the UV-A material. The chemical reaction is triggered by a photo initiator and the speed of the process is determined by the energy or intensity of the UV-A light source and the wavelength.



*Illustrating the correlation between PI wavelength, curing speed and UV-A light intensity.

WHY THIRD PARTY INSPECTION?

Third party testing confirms that a product exceeds quality, safety, sustainability and performance of applicable standards for a global product.

Two independent 3rd party inspectors (RISE and Intertek) review our products and our user instructions.

BENIFITS OF INDUSTRY COOPERATION?

By working closely with major paint manufacturers, crucial user experience and expectancy are added to our product development.



SmartCure is available in wavelength alternatives 365/395 nm, based on paint manufacturer requests. It is prepared for future adaptations and can be retrofitted from 395 nm to 365 nm.

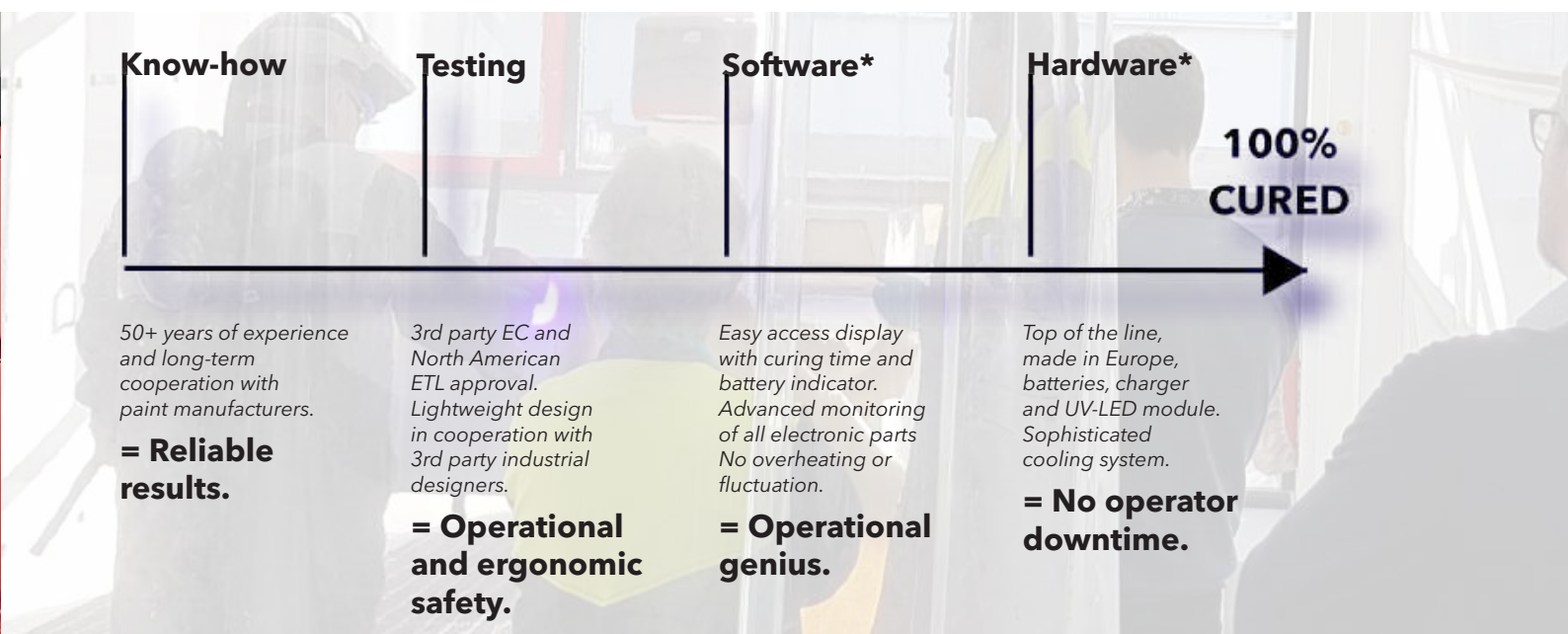
100% CURED

Non-fluctuating curing cycle

The key to high quality, reliable results is in maintaining a non-fluctuating intensity through the complete curing cycle.

Therefore, measuring and comparing light intensity is tricky, showing only a moment of truth. Once the primer/filler surface is sealed, you need to rely on the inside being cured.

With IRT, a combination of curing know-how, high-end parts, sophisticated software and inhouse/third party/user tests will cure your material 100%, every time.



*Example, SmartCure

IRT TESTING

We have tested UV-A fillers, primers and clear coats from every major paint manufacturer and offer solutions for all.

Flexible handheld/fixed cord solutions for the static work place. Battery operated lightweight handheld options for accessibility that eliminates downtime in the work shop.

Our UV-A LED options are available for 365 nm and 395 nm.

IRT UV-A

We have long experience in a leading position on the international curing and drying market.

Our UV-A range of products for body shops and manufacturing industries comes in all shapes, super light handheld tools and easy positioned heavy duty mobiles.

Also checkout IRT's range of UV-A pressure lamps combined with IRT infrared technique, available as mobiles and rail systems for a wider UV-A spectrum.

WE ARE HERE FOR YOU!

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