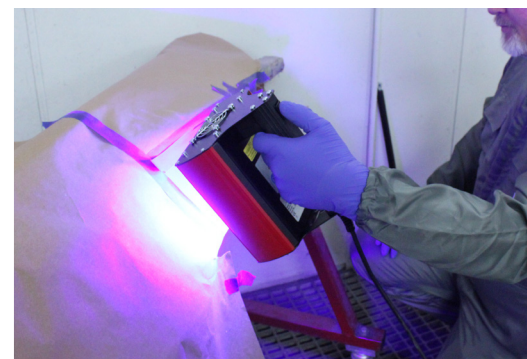




# IRT UV-A LED CURING

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





## 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/cm<sup>2</sup>, average >250 mW/m<sup>2</sup>).





**WALL BRACKET**  
Magnetic wall bracket, included as standard.



**DUST COVER**  
Optional protective dust cover with magnets, art no 715193.



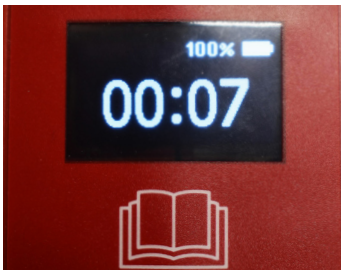
**UNIQUE BEAM SPREAD**  
24 pieces of domed LED's create a unique beam spread over the complete curing area.



**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.

**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



**LOW MAINTENANCE**  
Replaceable filter protects electronics inside, art nr 715074.

**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/cm<sup>2</sup>, average >70 mW/m<sup>2</sup>).



# THE MOST POWERFUL HANDHELD UV LED CURING LAMP JUST GOT STRONGER



## 400 W UV-A LED longlife flexibility:

### HEAVY-DUTY POWER CABLE

Ideal for harsch environments. Excellent mechanical resistance to impact and abrasion. Adds flexibility and improved work comfort.

### QUICK CONNECTORS

Quick connectors on both ends of the power cable for easy replacement. Replaceable quick connect cable (middle) EU, part no. 715203.

### UPGRADED HEAT MANAGMENT

Two fans increase the air flow, keeping the temperature securely regulated.

### EXTENDED LIFE TIME WITH FILTERS

Filters keep the inside free from overspray and dust. Part no. 715204 (6 pcs).



### SPOTCURE ON STAND (OPTIONAL)

Combined fixed/handheld curing. Timer for stand (optional).

#### 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.

\* For the North American market, a ETL/UL certified version is available without filter and quick connect cable.

#### 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	10 m



# IRT UV-A LED CURING

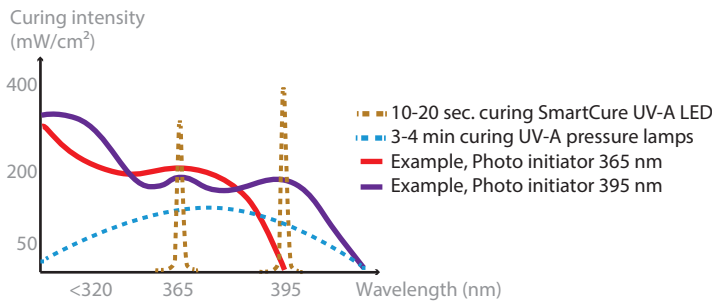
## WHY UV-A LED CURING?

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.

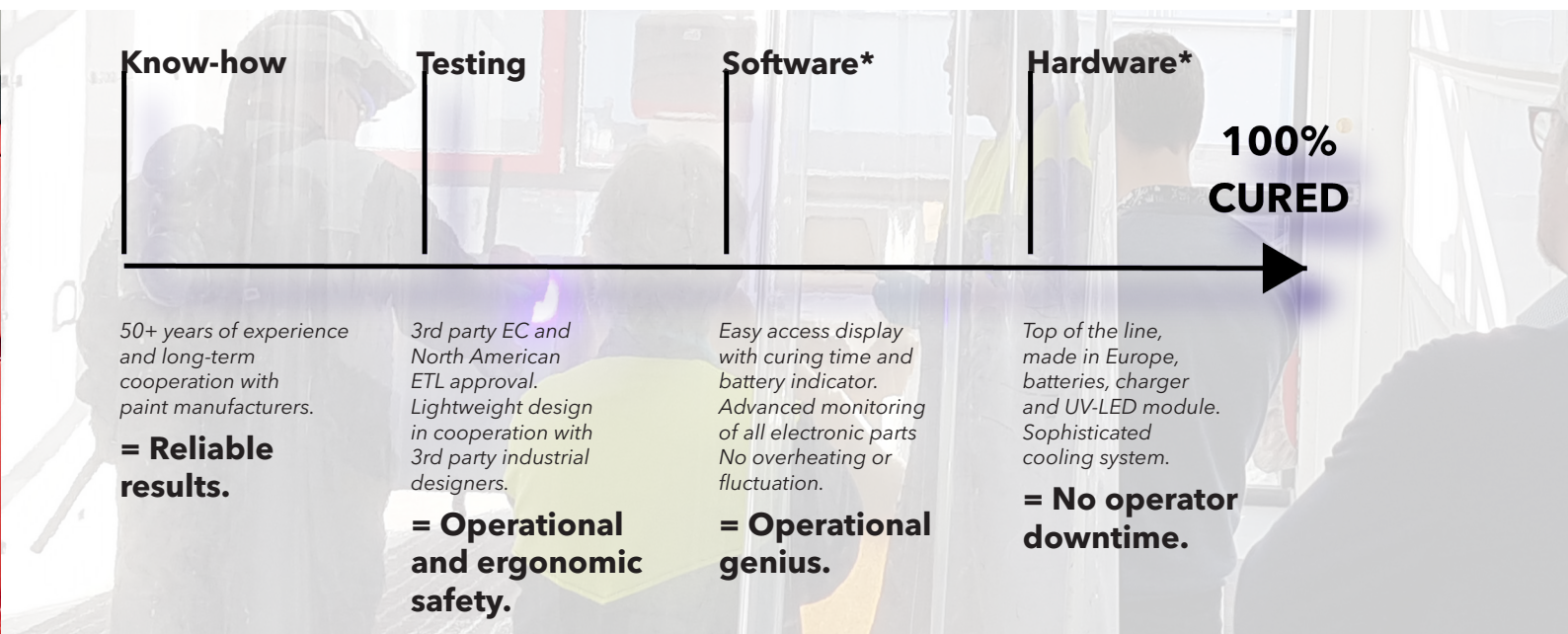
# 100% CURED

## 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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