



IST

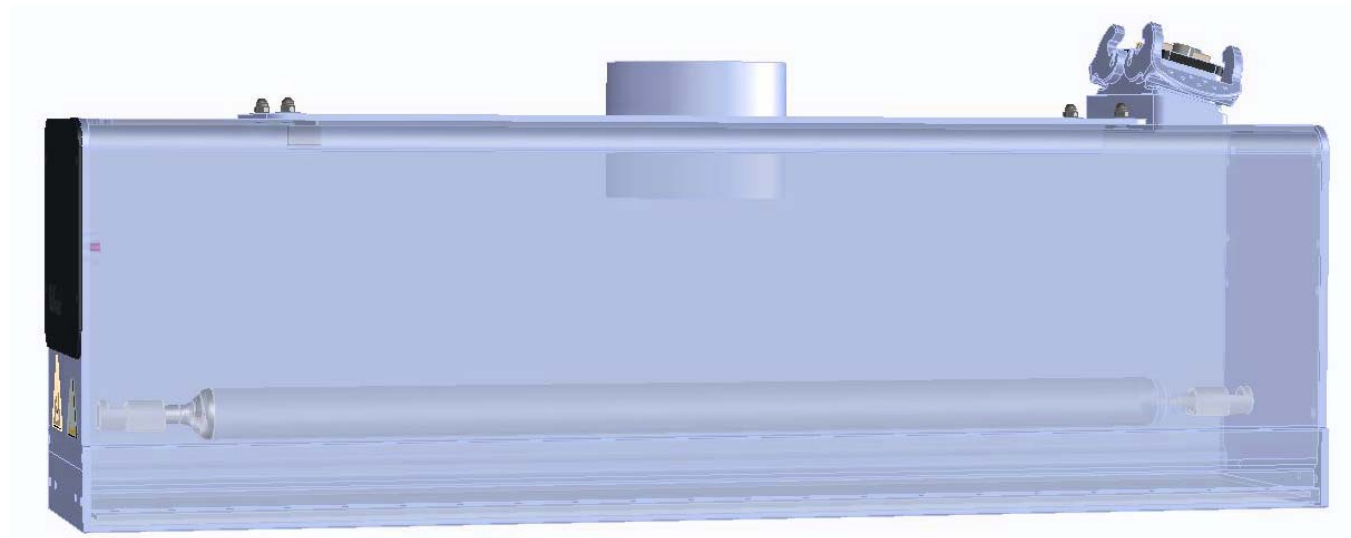
# MBS<sup>®</sup>-5LI

IST METZ GmbH



- URS<sup>®</sup> Cold Mirror Technology
- FLC<sup>®</sup> Fast Lamp Change
- Quarz glass screen
- Optimised air flow

- **Compact design**
- **Individual holding devices**
- **Easy access to the quartz glass plate**
- **Optional dustfilters for air inflow**



- Power up to 270 W/cm
- Suitable interface/interlocking for all common communications available
- Faceted reflectors
- Doped lamps:
  - Standard Mercury (Hg) bulb
  - Iron doped (Fe) bulb
- Easy integration in the existing process / exchange of the existing system

Suitable for curing of UV- and Hybrid inks, varnish, silicones and adhesives for various industrial applications as well as the following types of InkJet printers:

- UV InkJet label printers 4-6 colors up to a printing speed of 30-40m/min with one single lamp system
- 1-6 colour InkJet imprinting stations as integration in other printing or postprinting machines (depending on speed/pictoliter per drop)

# Why going for IST?



- **Highly variable system to be composed according to the needs and requirements of your InkJet printer**
- **Super-Fast Lamp-/quartz plate change**
- **Easy access for cleaning quartz plate, lamp and reflector**
- **Long-life lamps**
- **Most precise reflector coating technology on the market with nanotechnology and more than 50 layers for highest efficiency**
- **30 years of experience in the UV curing business**
- **Highest energy efficiency on the market**

# MBS<sup>®</sup>-5LI – Features



## UV lamp

- In-house development and production
- Adapted emission spectrum (mercury, iron)
- Individual quality certificate



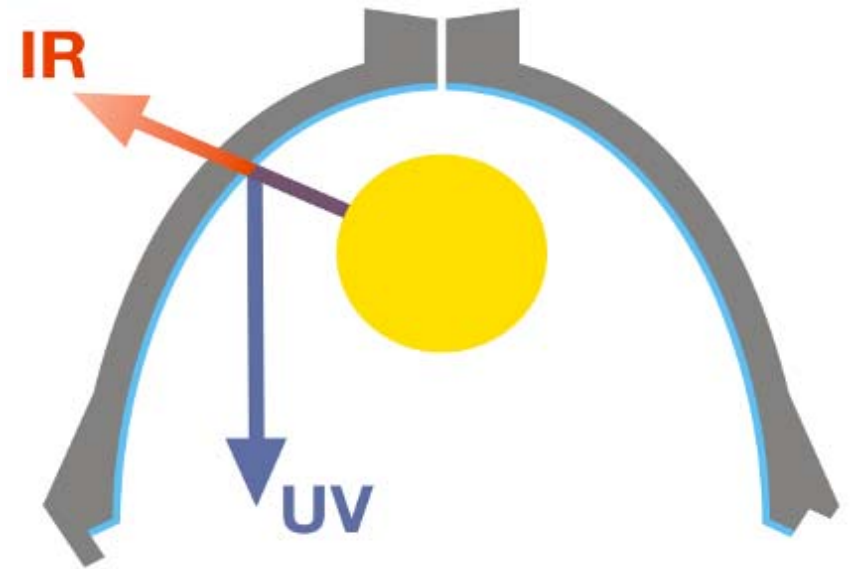
## The ELC<sup>®</sup>-X Electronic Power Supply Unit

- Area for output reduction: 30 – 100 %
- Efficiency up to 10% increased
- The lamp output can be steplessly adjusted depending on the print speed
- Compact and light construction
- Compensation of variations in the network voltage
- Automatic reduction of the lamp output in stand-by operation

# MBS<sup>®</sup>-5LI – Features

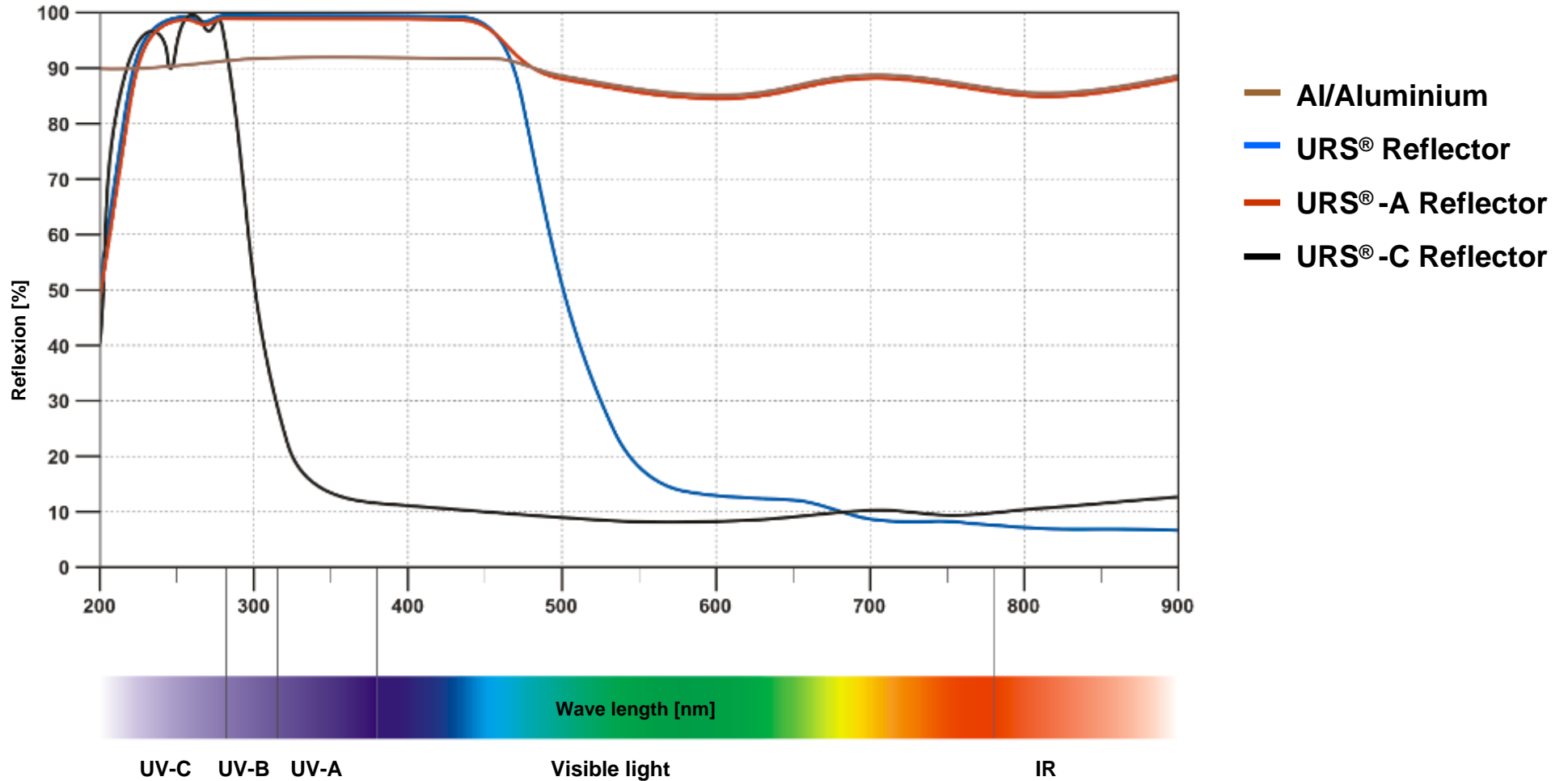
## URS<sup>®</sup> reflector technology

- Only UV light is reflected
- IR light (heat) is absorbed by the aluminum profiles
- Optimised reflector geometry with most advanced computer software
- Up to 30% more UV output with the same lamp power





# Reflexion properties



# MBS<sup>®</sup>-5LI – Features

## FLC<sup>®</sup> Fast Lamp Change

- Quick and easy lamp change
  - The UV lamps can be removed from the lamp housing in a few simple steps. It is possible to change a lamp in just a few seconds.
- The press is available for production for more hours during the year.

