

Features of IST Undercure Units

- **High Output UV Lamps**

In order to guarantee the highest quality demands, all IST UV lamps are developed and manufactured in-house to rigorous industry leading quality standards, 160 or 200 W/cm lamps are available as standard.

It is important to maximise the production possibilities that new automation provides. IST UV solutions are designed with optimum reliability as a priority and this is achieved by incorporating outstanding heat management possibilities and total production flexibility.



- **Lamp Unit**

Single lamp with water-cooled aluminium reflectors, shutters and topshielding. Unit slides out to operator side for maintenance and cleaning.

- **Reflector Patterns**

Arc lamp technology allows the designer a wide choice of reflector patterns. IST METZ has developed a selection of reflector patterns to meet the needs of various processes: standard and URS®-A reflectors.



- **FLC® quick-change lamps**

The cordless FLC® UV lamp system enables lamps to be changed quickly and easily.

It is possible to remove the UV lamp from the lamp unit with just one hand movement and a lamp replacement just takes a few seconds, thus saving users several hours of machine availability per year.

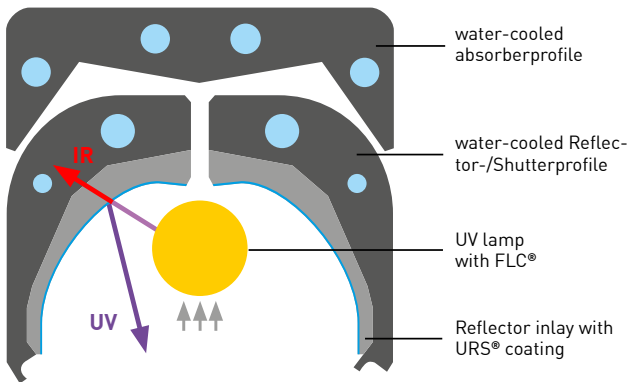
- **Easy Maintenance**

All components of the UV unit are easily accessible so cleaning and changing of lamps and reflectors can be carried out with the minimum of downtime by line operatives.

• **URS® inlay reflector technology**

URS® reflectors are what are known as cold mirror reflectors, fitted with more than 60 different metal oxide layers that only reflect the UV light and deflect the thermal radiation to a water-cooled profile. These highly resistant reflectors boast an extremely long service life and optimum heat management.

The reflector inlays are force-fitted to the unit, facilitating an easy replacement of the half shells. For example, simple replacement of the reflectors is interesting if the curing result can be improved by a different reflector geometry or coating for specific printing jobs.



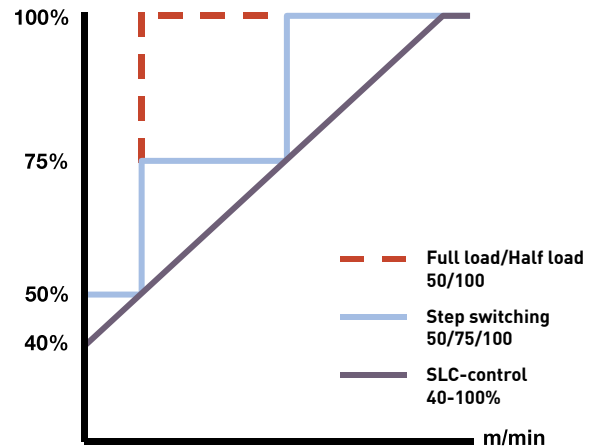
URS® Reflector technology

URS®-A reflector promises high reflectance over the entire UV spectrum. It is especially suitable for use in the printing of steel plates, as it reflects a sufficient amount of IR radiation. The resulting heat radiation aimed at the steel plates helps the inks and varnishes to cure. The URS®-A reflector also impresses with its very long service life.

Further Features:

• **SLC Stepless Lamp Control**

The SLC lamp control gives operators the option to control lamp power not only in relation to press speed but also in relation to the demands of the job thereby saving energy.



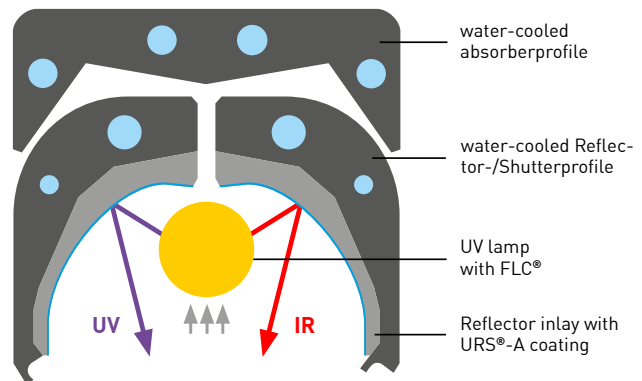
SLC Power control (electrical lamp control ELC available)

• **Cooling System**

Water-cooled reflectors/shutters and undershielding for unlimited stand-by and cool production conditions.

• **Integration**

IST undercure units are mounted on a free-standing frame and are designed for easy integration into production lines.



URS®-A reflector technology

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