

# IST UV UNITS UNDERCURE UNITS



## 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

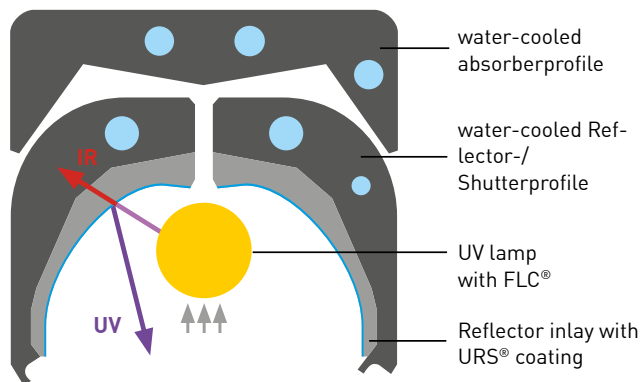
The cordless FLC® UV lamp system enables lamps to be changed quickly and easily. It is possible to remove the UV lamp from the lamp unit with just one hand movement and a lamp replacement just takes a few seconds, thus saving users several hours of machine availability per year.

### 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.



URS® Reflector technology

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®-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:

### ELECTRONIC POWER SUPPLY DEVICES

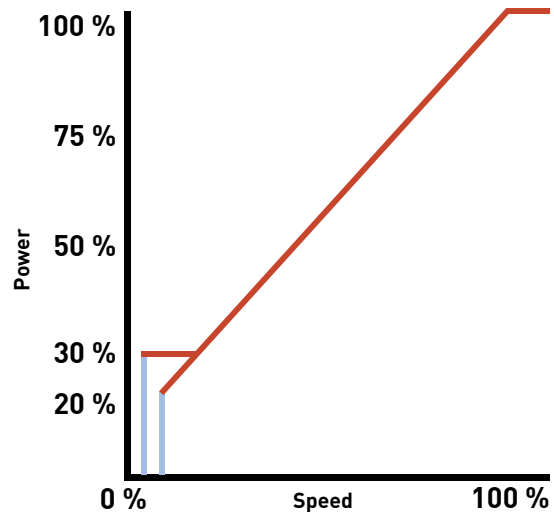
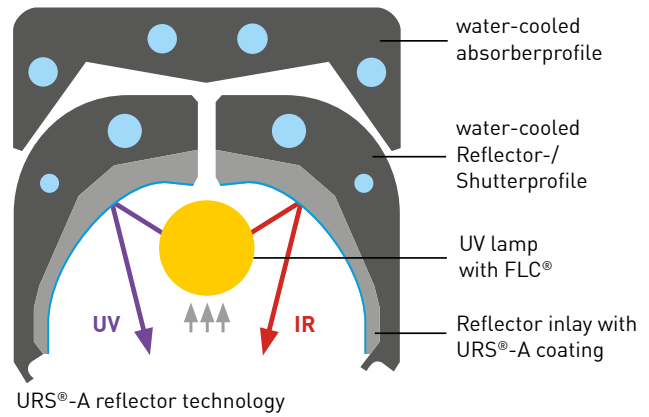
Linked to the printing speed, the ELC® controller can continuously adjust the lamp output between around 30 and 100%. In standby mode, the power is automatically reduced to a minimum.

### 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.



Electrical lamp control (ELC®) for highest demands and best energy savings in UV printing



## WE HAVE THE CURE

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