

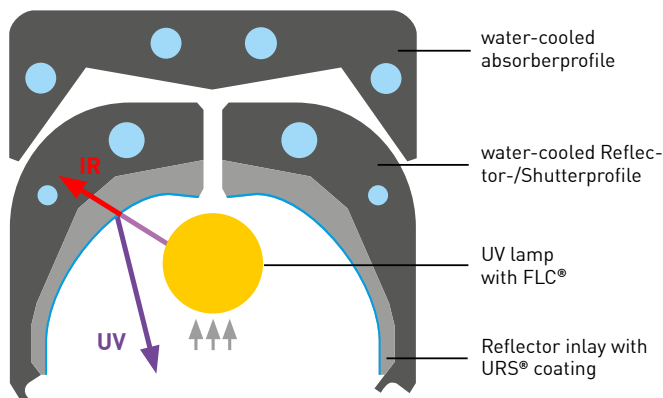
It is important to maximise the production possibilities that new automation provides. IST UV solutions are designed with optimum reliability as a priority and this is achieved by incorporating outstanding heat management possibilities and total production flexibility.

The UV package for Crabtree Marquess Plus

• 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



• FLC® quick-change lamps

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

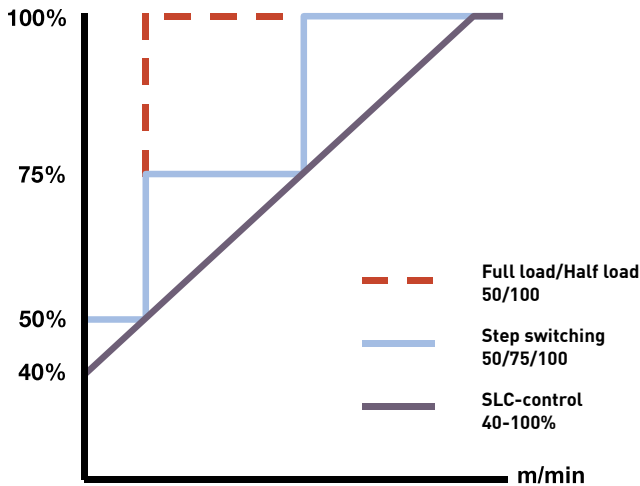
It is possible to remove the UV lamp from the lamp unit with just one hand movement and a lamp replacement just takes a few seconds, thus saving users several hours of machine availability per year.

• Cooling System

Water-cooling of the shutters and reflectors ensures that excess heat is efficiently carried out of the press. Also, the integrated air-cooling provides for optimized output of the UV lamp as well as removing small traces of ozone.

• **Stepless power control of UV lamp output**

In relation to the speed of the press, the SLC-control can vary the lamp output infinitely between 40 and 100%. In stand-by operation, the UV lamp output is reduced automatically and can remain in stand-by mode indefinitely.



SLC Power control (electrical lamp control (ELC) available)

• **Flexible interchange of UV interdeck units**

When required, the UV interdeck units can be moved to different positions. A mechanical preparation of the respective printing station ensures easy movability.

• **Operator friendly Control System UCS**

Complete operation of the UV unit is managed by the UCS control terminal, which is installed adjacent to the control desk of the press.

UV interdeck curing

- UV-unit placed on support brackets over sheet transport system
- Unit can easily be accessed for cleaning, lamp changing, etc.
- Plug-in power connections on the drive side

Also in our programme

- UV Set-Stack units
- UV Undercure units
- UV Pre-Coater



Typical Set-Stack Unit

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