

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 KBA MetalPrint Metal-Star PR (KBA printing devices)

• 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.

• 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

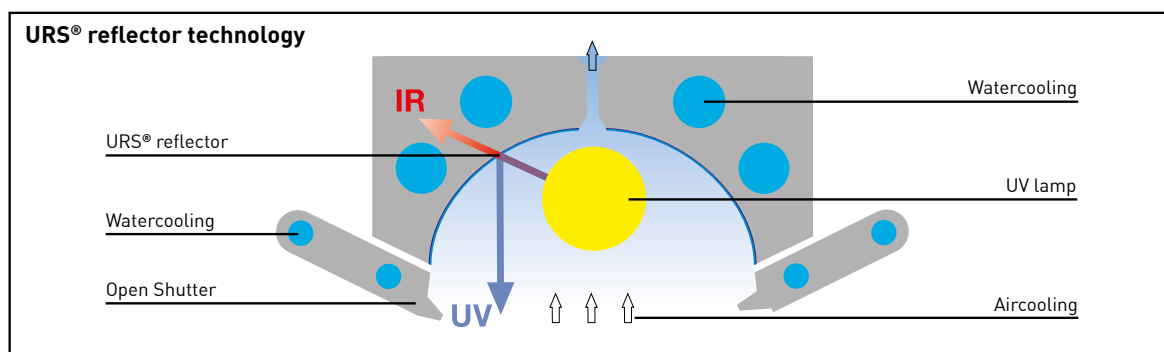
In relation to the speed of the press, the SLC-control can vary the lamp output infinitely between 40 and 100%. In stand-by operation, the UV lamp output is reduced automatically and can remain in stand-by mode indefinitely.

• 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.



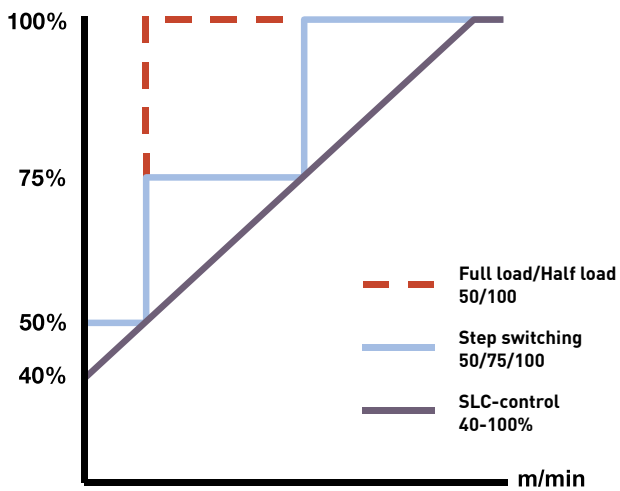


UV interdeck curing

- UV-unit placed on support brackets
- Upward removal between print units
- Plug-in power connections on the drive side



UV interdeck curing



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

Also in our programme

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



Typical Set-Stack Unit

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