

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 metal decorating manroland printing units

- **URS® Reflectors - low heat with high UV efficiency**

This latest design of low heat transfer reflectors from IST METZ is now incorporated as standard on all interdeck UV units fitted to manroland printing devices. Based on the same principles as the CMK reflectors this new design is able to deliver more UV energy to the substrate to improve curing rates. This has been achieved by adding and improving the reflective coatings combined with new optimised reflector geometry.

- **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**

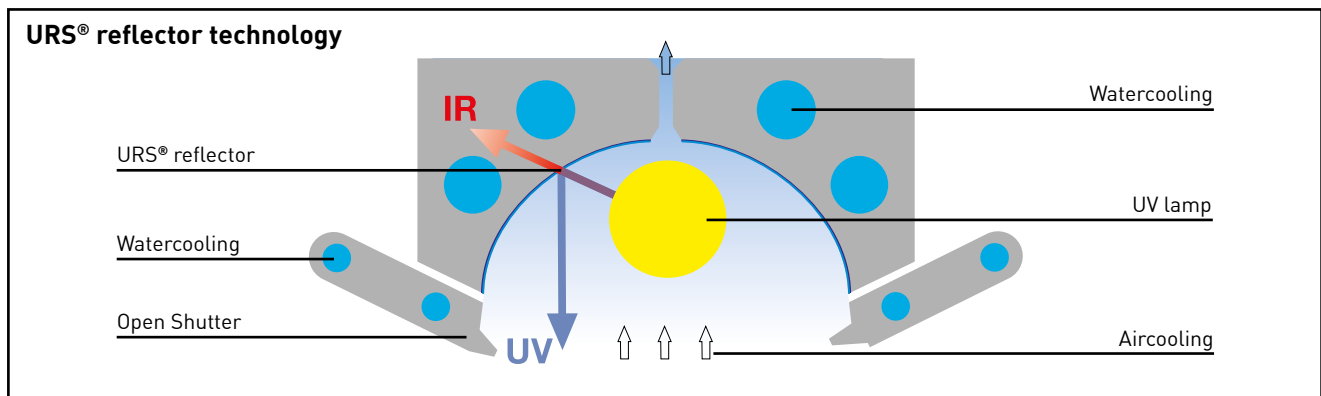
In relation to the speed of the press, the SLC-control can vary the lamp output infinitely between 40 and 100%. In stand-by operation, the UV lamp output is reduced automatically and can remain in stand-by mode indefinitely.

- **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**

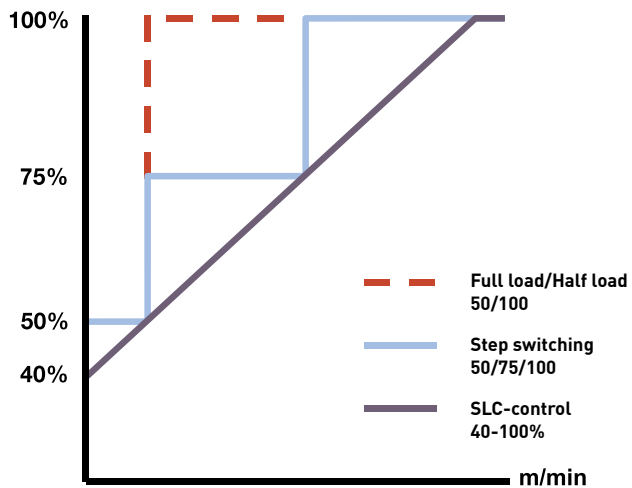
Complete operation of the UV unit is managed by the UCS control terminal, which is installed adjacent to the control desk of the press.





UV interdeck curing

- UV-unit placed on support brackets
- Upward removal between print units



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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