

IST UV SYSTEMS FOR METAL DECORATING WITH MANROLAND PRINTING UNITS

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 MANROLANDPRINTING 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.

ELECTRONIC POWER SUPPLY DEVICES

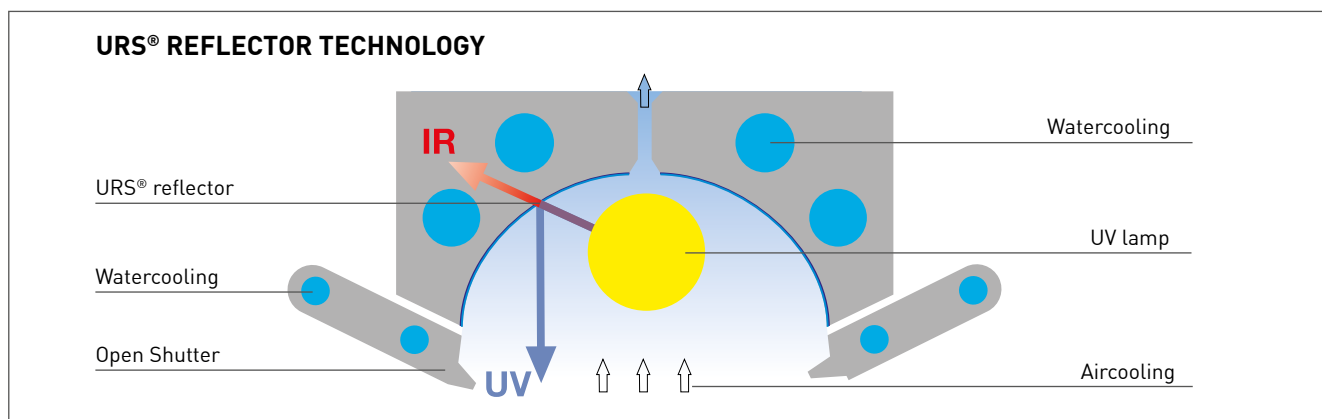
Linked to the printing speed, the ELC® controller can continuously adjust the lamp output between around 30 and 100%. In standby mode, the power is automatically reduced to a minimum.

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

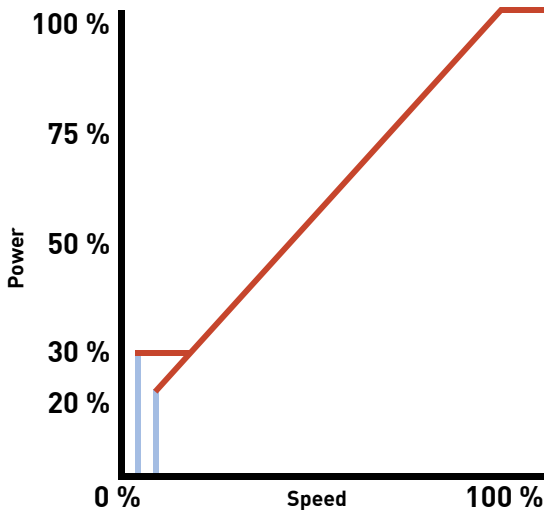
Complete operation of the UV unit is managed by the UCS control terminal, which is installed adjacent to the control desk of the press.





UV INTERDECK CURING

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



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



ALSO IN OUR PROGRAMME

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



Typical Set-Stack Unit

WE HAVE THE CURE

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