

# Status lighting delivers safety and life cycle benefits

The latest generation of IS machines can be equipped with sophisticated status lighting to provide enhanced safety, while also increasing mould life expectancy. As Wilfried Seidensticker explains, the status lighting is a coloured RGB-section lighting that colour changes depending on the current status of a section.

In addition to providing pure white light illumination for the blank side, Heye International also offers colour status lighting for its latest generation of SpeedLine IS machines. This colour status lighting (coloured RGB status lighting with an option for white lighting) has been supplemented by a further function that, in addition to its security benefits, also significantly increases the usefulness of this option. This enhancement relates to the equipment's lubrication (swabbing) cycle.

Effectively, the lighting is mounted in the blank side control panel and in its simplest form (white light only), illuminates the section for work that needs to be undertaken there, including job changes, equipment exchanges etc. Initially, the coloured RGB status lighting with an option for white lighting took into account the opportunity to increase operator safety. With the coloured lighting, the operator can visually identify the different operating states of the machine/section.

Without illumination, the section is in normal production mode. By a further defined assignment of different colours, the operator is shown further possible operating states. This includes:

- Section stop activated.
- Start phase (reset actuated).
- Start up and operation without gobs.
- Special 'cold blank mould' programme.
- No communication between status lighting and control (failure).
- Special 'lubrication cycle' programme.

## Which lubrication periods can be selected?

The 'lubrication cycle' function gives the operator additional support when carrying out daily work routines. By blinking in an assigned colour, the function makes it visible that the



Heye International's coloured RGB status lighting with white lighting option provides enhanced safety, while also increasing mould life expectancy.

lubrication of the blank and/or the neckring is necessary after a defined time interval. The time interval can be stored in the HMST (Heye Modular Servo Technology) control, either in the form of minutes or after a certain number of processed gobs.

## Can swabbing of neckrings be indicated separately?

The necessary swabbing of both the blank mould and neckring is indicated to the operator by a colour-coded light that flashes in each station. Flashing frequency increases as the specified interval is exceeded.

The flashing is stopped by the operator pressing the 'blank lubricating' button, before lubricating the blank mould and/or the neckring and pressing the button again, returning the station to the operating state. Thereafter, the interval begins to

count again, until re-lubrication of the blanks or neckrings is displayed again.

## Which IS machines can be equipped with status lighting?

Coloured RGB status lighting with white lighting option is available for all SpeedLine IS machines that are equipped with modern machine control and HMST control. Via this added safety benefit, the operator has access to another useful tool to support daily work routines in a simple way. Furthermore, by maintaining a regular lubrication interval, optimum mould lifetime is guaranteed.●

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