



SANGIACOMO

presse

SAFETY LIGHT CURTAINS

SICK
Sensor Intelligence.



All the safety light curtains options provided by SANGIACOMO, allow easier access to the working area, ensuring total safety in accordance with the **CE** mark.

Major advantages of the NEW safety light curtains system:

- ➡ 1) VERTICAL safety light curtain “A” + Upper HORIZONTAL safety light curtain “B” (the lower part protection is ensured by the shelf “C”)
Optimal accessibility to the work table.
- ➡ 2) The safety light curtains are fastened directly to the lateral fixed guards.
The opening of the lateral fixed guards (that can be opened of more than 90°) assure an optimal access to the working table for an easier fitting of the mould (see below). **Three open sides!!**





Functions of the safety light curtains (* in OPTION to the standard press):

✦ **STANDARD safety light curtains (*)**

The STANDARD safety light curtains are active during every working cycle (except for “inching” mode). Any interruption of an optical beam stop the press safely.

✦ **PROGRAMMABLE safety light curtains (*)**

Thanks to a dedicated selector, the PROGRAMMABLE safety light curtains allow 3 working modes:

- **“Normal” mode**

The safety light curtains are active during every work cycle (except for “inching” mode). Any interruption of an optical beam stop the press safely.

- **“Single interruption” mode**

This operational configuration is used when working in single cycle mode with automatic loading and manual unloading (or vice-versa).

The starting of the cycle occurs automatically. Manually unloading (or loading) the processed piece (or the piece to be processed), hence intercepting the optical beam ONCE, the press runs a single cycle, after clearing the protection area (the next loading occurs automatically thanks, e.g., to a feeder). During the execution of the cycle, any interruption of an optical beam stops the press safely.

- **“Double interruption” mode**

This operational configuration is used for working in single cycle mode with automatic loading and unloading.

The starting of the cycle occurs automatically. Manually unloading the processed piece and loading the piece to be processed, hence intercepting the optical beam TWICE, the press runs a single cycle, after clearing the protection area. During the execution of the cycle, any interruption of an optical beam stops the press safely.

✦ **Safety light curtains with BLANKING (*)**

The safety light curtains with BLANKING mode allow to exclude some optical beams, in order to allow the passage or the stationing of an object within this space, without causing the machine to stop.

The programming of the safety light curtains is made through a dedicated SICK software provided. A PC shall be connected to do the settings as specified by SICK.

✦ **PROGRAMMABLE safety light curtains with BLANKING (*)**

This configuration allows to integrate the capabilities of the PROGRAMMABLE safety light curtains with the BLANKING function.