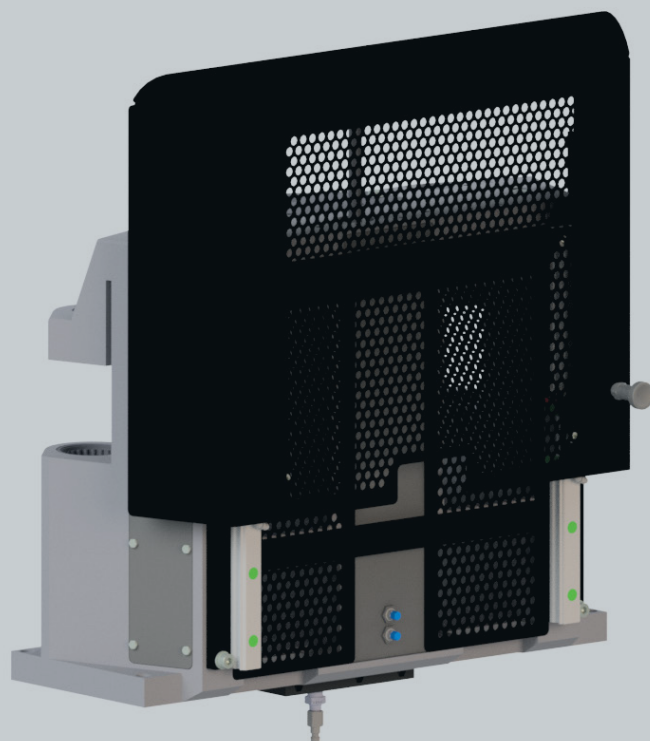


HEYE

BLANKSIDE PROTECTION GRID



# Heye BlankSide Protection Grid

As part of its Multilevel Safety Concept, Heye has introduced a new version of the BlankSide Protection Grid. The new solution provides numerous advantages, including enhanced safety features, improved efficiency and greater ease of maintenance – all of which were focal points during the design process.

## Enhanced Safety on the Blank Side

The grids, positioned on each section and integrated into the machine control system, provide additional safety on the blank side. They can be synchronised with the Heye BlankSideRobot or function autonomously. When operating in standalone mode, the protection grids are controlled manually, facilitating tasks such as manual lubrication or section maintenance on the blank side. In combination with the Heye BlankSideRobot, the protection grids synchronise with the robot's lubrication cycle, ensuring optimal safety.

## Improved Design

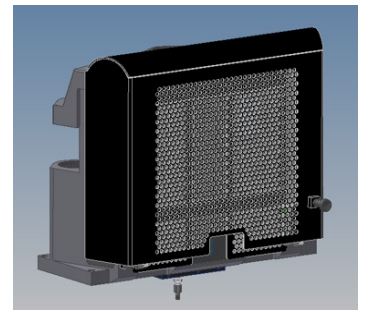
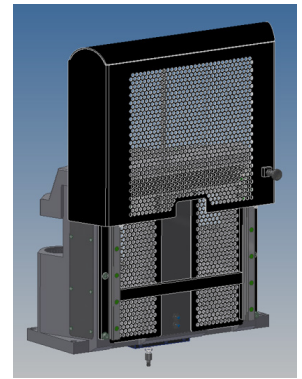
The grid is designed at an optimal height that allows the machine operator to have a clear view of the machine section even when the grid is in the raised position. Furthermore, adjustments to the scoop holders can be made while the grid is in the raised position, eliminating the need to lower it. The BlankSide Protection Grid is mounted on solid, precise and durable roller-bearing guide rails, which ensure smooth operation. Despite its secure attachment, it can be quickly dismantled if necessary to allow for more extensive work in the section. The outer grid can be removed from the slider by opening a latch. The lower grids are located so that they can be easily pushed up and taken out. If even more space is needed for the upcoming work, the movable carriage can also be removed by loosening just four screws. However, this should only be necessary in exceptional cases. The BlankSide Protection Grid bracket is equipped with a double-acting pneumatic cylinder for upward and downward movement, which can be cushioned in its end positions by easily accessible adjustable throttle valves. This significantly contributes to smooth motion and high durability. The lower and upper positions of the grid are monitored by sensors. This allows for accurate position verification, particularly when the grid is used in conjunction with the Heye BlankSideRobot, helping to avoid potential collisions. The sensors provide the following information to the control system:

- + Grid installed
- + Grid in upper position
- + Grid on the move (downward or upward)
- + Grid in lower position

The BlankSide Protection Grid can also be used on machines where the blank moulds are lubricated manually. In this case, the machine operator presses a button (swabbing cycle performance) on the blank side operating panel to lower the grid. Once the blank side lubrication is complete, the operator presses the button again to raise the grid, allowing the section to resume the production cycle.

## Advantages

- + Increased safety for the machine operator
- + Robust and durable design
- + Smooth and even operation thanks to the precise guides
- + Easy and quick accessibility to the section
- + Operation in conjunction with the Heye BlankSideRobot or autonomously



Heye International GmbH  
Lohplatz 1, 31683 Obernkirchen  
Germany

T +49 5724 26 0

[www.heye-international.com](http://www.heye-international.com)

