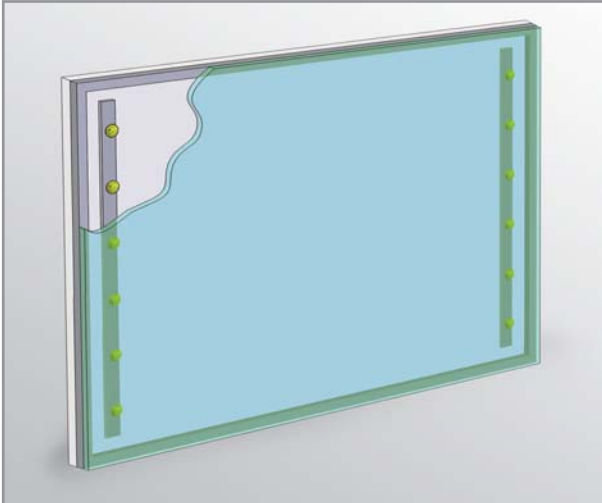


MACHINE SAFETY WINDOW WITH INTEGRATED LIGHTING

Machine safety windows permit safe viewing of machining operations inside the machine tool. Most often there is a need for additional lighting.

Depending on available space and position, conventional lights can become dulled by accumulation of swarf and contamination by coolant.



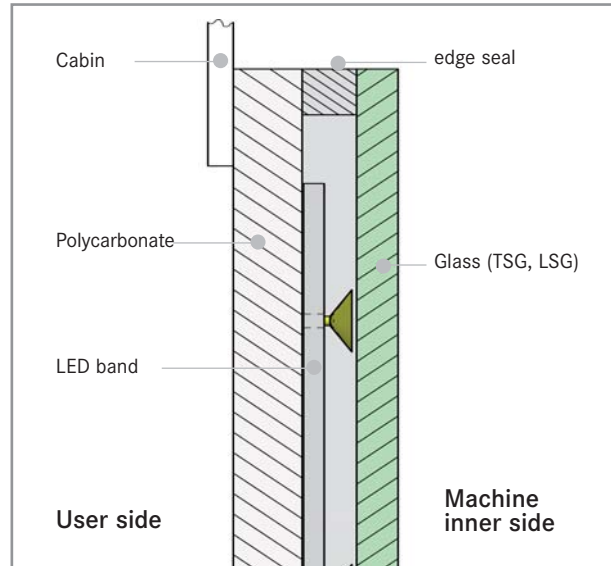
Machine safety window with LED lighting

The optimum solution combines a clear view into the machine with suitable lighting. This solution is available in the form of illuminated HEMA Windows - the integration of LED technology in a machine safety window. These illuminated safety windows combine the advantages of two established systems in one compact solution.

The variable position of the LED lighting rails - vertical or horizontal - enables a flexible fitting to requirements of



Machine safety window with LED lighting



Layout of the safety window with integrated lighting

the machine interior. Problems of swarf and coolant contamination of internally mounted lamps will be eliminated.

The well proven perimeter seal design ensures the LED's and internal surfaces are protected from ingress of contamination and moisture.

The advantages of HEMA windows with integrated lighting:

- Compact system solution
- Flexible illumination of the machine interior
- Tried and tested LED technology
- Elimination of lamp contamination
- Power supply from the mains or the machine
- Retrofit option on machines

Types

Power supply	24 VDC
Current	210mA, 420mA, 630mA, 840mA, 1260mA, 1680mA
Operating voltage	5W, 10W, 15W, 20W, 30W, 40W
Lens	ca. 120°
Light temperature	5700 K
Connection	M12

Due to the complex plug-in system the LED modules can be reused when the machine window is damaged. Our service will be happy to advise you.

Further information on HEMA machine safety and Visiport rotating windows can be found in our catalogue »Protective Systems«.

LIGHTING SYSTEMS 3

WORKPLACE LIGHTING 4

SPOT FITTING LIGHTING 8

MACHINE LIGHTING 12

INTEGRATED LIGHTING 19