



# ROTO CLEAR

For a clear view during  
production process





## Advantages

1. Worldwide lowest installation height (33,5 mm)
2. Maximum field of view based on revolutionary and patented drive concept
3. Unobtrusive design: form follows function
4. Dramatically reduced service and cleaning times: the rotating glass disc as a wear part can be changed in less than a minute without dismantling the entire device
5. Simple device installation either as the bolt-on or adhesive-mounted version
6. Maximum operational reliability by use of air bleed
7. Low power consumption by use of linear drive technology
8. High torque for toughest conditions

For more information visit [www.rotoclear.de](http://www.rotoclear.de)

**← 33,5 mm**

## Rotoclear S3

provides a clear view of the production processes under toughest milling conditions. The spinning window is an approved system to keep inspection window clean and thus to ensure continuous control of work flow. Rotoclear S3 is suitable for all kinds of metal cutting machines such as turning centres, milling machines, including machining centres and test stands.

## Installation

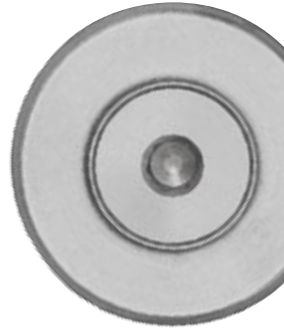
The device is generally attached to the inside of the machine tool door at eye level. The inspection window is fixed by means of a screw-hole circle, or, an adhesive flange is attached and fixed with the cover without perforation of the machine tool window. A two-component adhesive guarantees safe fixing. The bolt-on or gluing process can be carried out by untrained staff with maximum process reliability by means of a specifically developed mounting procedure. The installation can optionally be performed in original equipment manufacturing machines (OEM), or as a retrofit on processing equipment. For milling machines we recommend using the bolt-on flange version (polycarbonate glass) whereas the adhesive version is appropriate for turning centres (laminated safety glass VSG).

## The main principle

A rotating disc flings off striking coolants and cuttings, whether water-soluble or water-insoluble. This enables the operator to always have a clear view into the processing area – safety according to safety instructions currently effective being guaranteed. Integrated air bleed keeps the system sealed and always operational. The self-governed control system of the direct drive motor supports initial operation and standard operation without the need for adjustments on the Rotoclear S3.

Overload safeties, emergency shut-off and soft restart are executed automatically and ensure constant operation.

290 mm







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