



particle-deposition.com

## Witness plate

ISO 14644-17:2021

### What is a witness plate?

A witness plate is a well defined sample surface to sample the change in surface cleanliness due to fall out of particles. For the PDM system it is a CD shaped glass disk that can be easily hand cleaned. The surface cleanliness change of your product exposed to your local particle fall out is equal to the measured change of surface cleanliness on the witness plate. Contamination budget check can be made as well as real-time monitoring of the contamination increase experienced.

### Why is the witness plate round?

A line scanning microscope system is used to scan the surface of the disk by means of contrast light. A donut shaped area is scanned. The rotational movement is a very precise movement at a constant angular speed. Even at very small time intervals the speed is constant. An analog intrinsic stable drive method is used.

### The glass disk.

On the borosilicate glass disk a surface of 50 cm<sup>2</sup> is scanned. No special locking of the disk is required. Because of the type of glass the disks can be heat sterilized allowing CFU test on the disk after exposure. Cleaning can be done dry or if required by IPA to remove persistent contamination. There is no lifetime specified for the witness plates. Without damage they can be used on and on.

### For inquiry please call us

You will get in contact with the development team of this product providing the information as required.

Call us

We speak English, German and Dutch.

+31 45 5410093

sales@sac-nederland.nl

particle-deposition.com



# GET A GRIP ON SURFACE CLEANLINESS BY MEASURING DEPOSITION

### Some key specifications

- Borosilicate glass disk
- Diameter 12 cm (compact disc shape)
- Weight 114 grams
- Thickness 5 mm
- Can be heat sterilized up to 300 ° C.
- Vacuum compatible (disk only)
- Allows for aggressive cleaning
- Simple hand cleaning is sufficient
- Drop safe for glass disk.
- Unique serial number
- Unique ECC 200 datamatrix code
- Strong glass disk, will not scatter if broken

Chamber of commerce no 14085752

Oude Roderweg 17e Heerlen

The Netherlands, Europe