

ZGR 2020 - 2024 GRINDOMETERS



- Precision grindometers according to Hegman for determination of fineness of grind of coating materials, printing inks, pastes and similar products
- Easy to handle
- Easy to clean

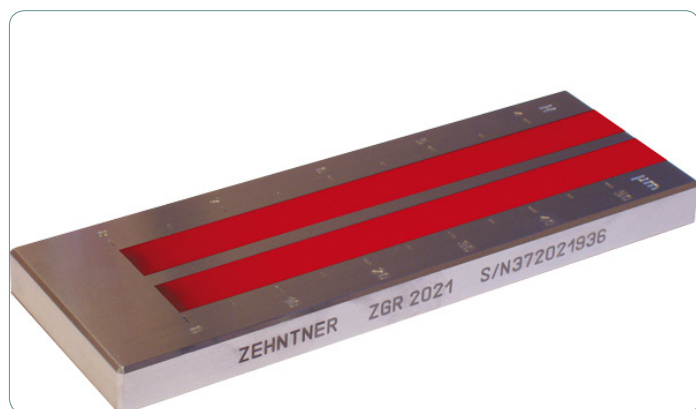
The fineness of grind is particularly important during the manufacture of pigmented products. By its determination the efficiency of dispersion processes can be followed and the performance of dispersion apparatuses and methods can be determined.

Application areas

- For very different industries, e.g. for the paint, printing ink, food, cosmetics, paper and detergents industries
- Laboratory test instrument for quality control and experimental purposes
- Applicable to practically all pigmented systems

Standard delivery

- Carry out the determination at least in triplicate
- Insert the test panel and clamp it tightly
- Bend the test panel evenly and without jerking over the cone through 180° in a period of 2-3 seconds
- Mark the end of the crack that is furthest from the small end of the cone
- Read off the cone diameter at the end of the crack
- Release the test panel from the mandrel tester and evaluate it.



VERSIONS	NO. OF GROOVES	DEPTH OF GROOVES	DIMENSIONS	WEIGHT
ZGR 2020	2	0 - 100 µm	Grindometer 174mm x 60mm x 13mm Scraper 75mm x 40mm x 8mm	1,2kg including scraper
ZGR 2021		0 - 50 µm		
ZGR 2022		0 - 25 µm		
ZGR 2023		0 - 15 µm		
2020.S.1.34.0.100	4	0 - 100 µm	Grindometer 174mm x 90mm x 13mm Scraper 100mm x 40mm x 7mm	1,7kg including scraper
2021.S.1.34.0.50		0 - 50 µm		
2022.S.1.34.0.25		0 - 25 µm		
2023.S.1.34.0.15		0 - 15 µm		
ZGR 2024.0.100.0.50.0.25	3	0 - 100 µm 0 - 50 µm 0 - 25 µm		
ZGR 2024	on request	on request 0 - 1000 µm	Depending on version	

Handling

- Pour the product under test at the deepest point into the grooves of the grindometer.
- Place the scraper edgewise and parallel to the width of the grindometer on the deepest point of the grooves and draw it within a few seconds (see the standards) to a point beyond the zero depth of the grooves.
- Within seconds (see the standards) after the completion of the drawdown of the sample, view the grindometer at an right angle to the length of the grooves and at an angle of 20° to 30° to the surface of the grindometer in a light that will make the pattern of the sample in the grooves visible.
- Observe the point where in the grooves particles in a greater number (in accordance with ISO/EN/DIN 5 to 10 particles in an imaginary 3 mm (0.12") wide band) are first visible and read the value on the scale belonging to that point.
- Afterwards clean the grindometer and scraper.
- For further details see the standards.
- Check grindometer periodically by use of a groove depth meter (see options).

Options

- ZRT 2025 Groove depth meter
- ACC591 calibration and certification (incl. certificate)

