



OptoTech

# BT-150

Bayer Abrasion Tester

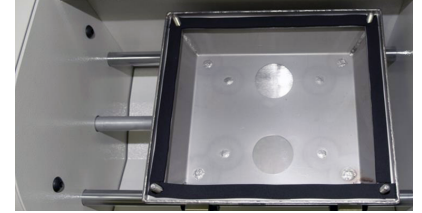


Quality Test for the Measurement of the Abrasion Resistance Properties of plastic lenses, mineral glass and glass moulds according to ASTM/ISO.



## Technical Data

	BT-150
Dimensions (WxHxD)	880 x 520 x 400mm
Power requirement	1 kW, 230 V-AC single phase. Power supply with a normal European (Type F) plug
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.



## Highlights

- Quality test to determine the abrasion resistance of optical elements according to ASTM/ISO standards
- Reference ISO for specifications and test methods: 8980-4:2006
- Reference ISO for "Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant": 8980-5:2005
- All moving parts are enclosed in the chassis so the usage is 100% safe
- Shaking is reduced by dynamic balancing of moving parts
- The test uses 500g of Alundum per cycle
- Number of cycles can be customised, but to be compliant to the standard, a Bayer Test needs 600 strokes in 240 seconds (with a small tolerance)
- The tray can accommodate two lenses per cycle, so to have the most reliable results by placing a reference lens and a sample in the other position

## System Advantages

- Having a Bayer Test machine (together with a haze meter) is that each new process (hard coating and AR coating) can be tested internally for abrasion resistance, without relying on external laboratories
- Easy operating via touchscreen
- Reliable tests