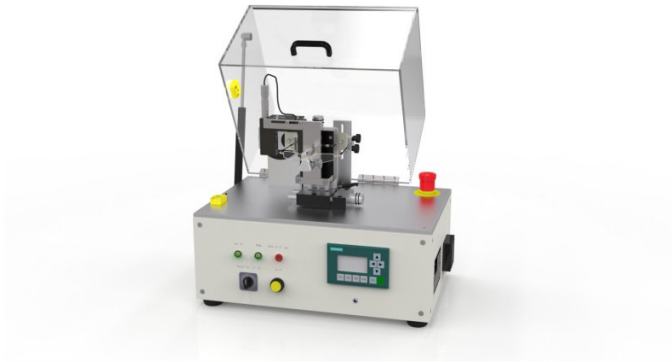
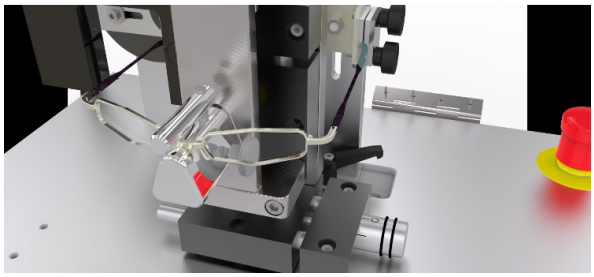
Joachim Wilhelm Engineering

Spectacle Frame Durability Test ISO 12870





Function

The standard 12870 describes the endurance test of the spectacle frame on an alternating movement. The nose bridge of the glasses is positioned over a rod (modeled according human nose). The ends of the ear stems are attached in clamps. The left clamp is connected to an electric motor which generates a rotational movement by means of a tilting of the glasses. 500 cycles are performed. After the test the distance of the earpieces is measured and checked for deformation. The eyeglass frame with brackets may not show cracks or breaks and the bracket must be possible to open and close smoothly.
The device consists of the support rod, the clamps of the samples, the motor and a sensor for monitoring a fraction.
The speed can be set between 5 - 50 rpm. If a break occor before the required 500 cycles, the sensor detects this and stops the test.
The various distances for clamping the glasses can be adjusted quickly and easily by functional operating elements.

Specification

Dimension (W, D, H)	ca.400, 300, 300 mm
Weight	25 kg
Rotation Speed max.	5 – 50 1/min
Power Supply	115/230 (50/60 Hz),max. 60W

Ordering

Spectacle Frame Duribiliy Test	610-010

Scope of Delivery

1 Device
1 Allen Key
1 Power Cord CEE 16A (5 m)
1 Operating Instruction

Conditions of Delivery

Delivery: EXW
Shipping time: by arrangement

Contact

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