



JWE GmbH

## Brushing machine for In Vitro Removal of Stain with Dentifrice

### Brushing machine for laboratory assessment of dentifrice abrasivety DIN EN ISO 11609



#### Function

The method is used to examine the dentin abrasion by toothpaste in combination with a manual toothbrush in accordance with ISO 11609 (ADA laboratory procedures, John J. Hefferren Phd.). Furthermore, the method can be used to determine the cleaning efficiency of plaque removal with a toothbrush. The artificial teeth are preparing with plaque (see drying of artificial plaque / staining test apparatus). The samples are cleaned in the brush machine. After brushing plaque removal is analyzed with an image analyzing system (see image capture of the remote plaque / Image analysis of Stain Removal). The brushing machine corresponds to the ISO 11609. The device is equipped with 8 holders for the specimen. The stroke, the cleaning frequency, and number of cycles can be set. The toothbrushes are mounted that they move in alternating directions with a small angle above the specimen. A defined load is applied to the brush and the specimen with brush head is immersed in a tooth paste mixture. Safety Level: ISO 13849 PL 3 D

#### Specifikation

Dimension (W,D,H) ca.	700, 700, 700 mm
Weight	30 kg
Load	0,5 - 5 N
Stroke	up to $\pm 20$ mm
Cycle Frequency	5 - 120 1/min
Number of Cycles	1 up to 9999
Teststations	8
Power Supply	115/230 (50/60 Hz)

#### Ordering

Devices	311-010
Spring Balance	311-020

#### Scope of Delivery

1	Device
8	Glas Tubes
1	Power Cord CEE 16A (5 m)
1	Operating Instruction

#### Conditions of Delivery

Delivery: EXW  
Shipping time: by arrangement

#### Contact

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