

## Technical Specifications for the Toothbrush simulator ZM-3

### **Function:**

- Up to 8 samples can be tested simultaneously. Each sample can be made of different material, shape and hardness.
- Each sample chamber can be filled with different fluids (toothpaste/water mixture)
- Cycle no., movement pattern and speed can be changed by the user and is equal for every sample chamber
- Automatic stop after the pre-set cycle no. is reached or after a free definable time interval
- Max. Sample size 20x20mm, max. height 15mm

### **Movement pattern:**

- Back and forth
- Left and right
- Combination of both (circles)

### **Brushes**

- Must be fixed with 2 screws, every standard toothbrush can be adapted

### **Fluids:**

- Viscosity can be chosen by the user by mixing toothpaste with water

### **Cycle counter:**

- 1 to 4.000.000 with Auto-stop (or time defined Auto-stop)

### **Weights:**

- 50g to 300g per sample

### **Technical data:**

- Supply voltage: 115VAC / 230VAC
- Stepper motors for both axes, industrial grade linear bearings ball-screws
- Dimensions: 70 cm x 100 cm
- No external PC is needed
- Weight: 35kg