TAPS AND MIXERS MOVEMENT DEVICES

APPLICATIONS:

- **TEST CYCLE EXECUTION OF SINGLE LEVER MIXERS ACCORDING TO EN 817 STANDARDS**
- **TEST CYCLE EXECUTION OF SWIVEL SPOUTS ACCORDING TO EN 817-200 STANDARS**

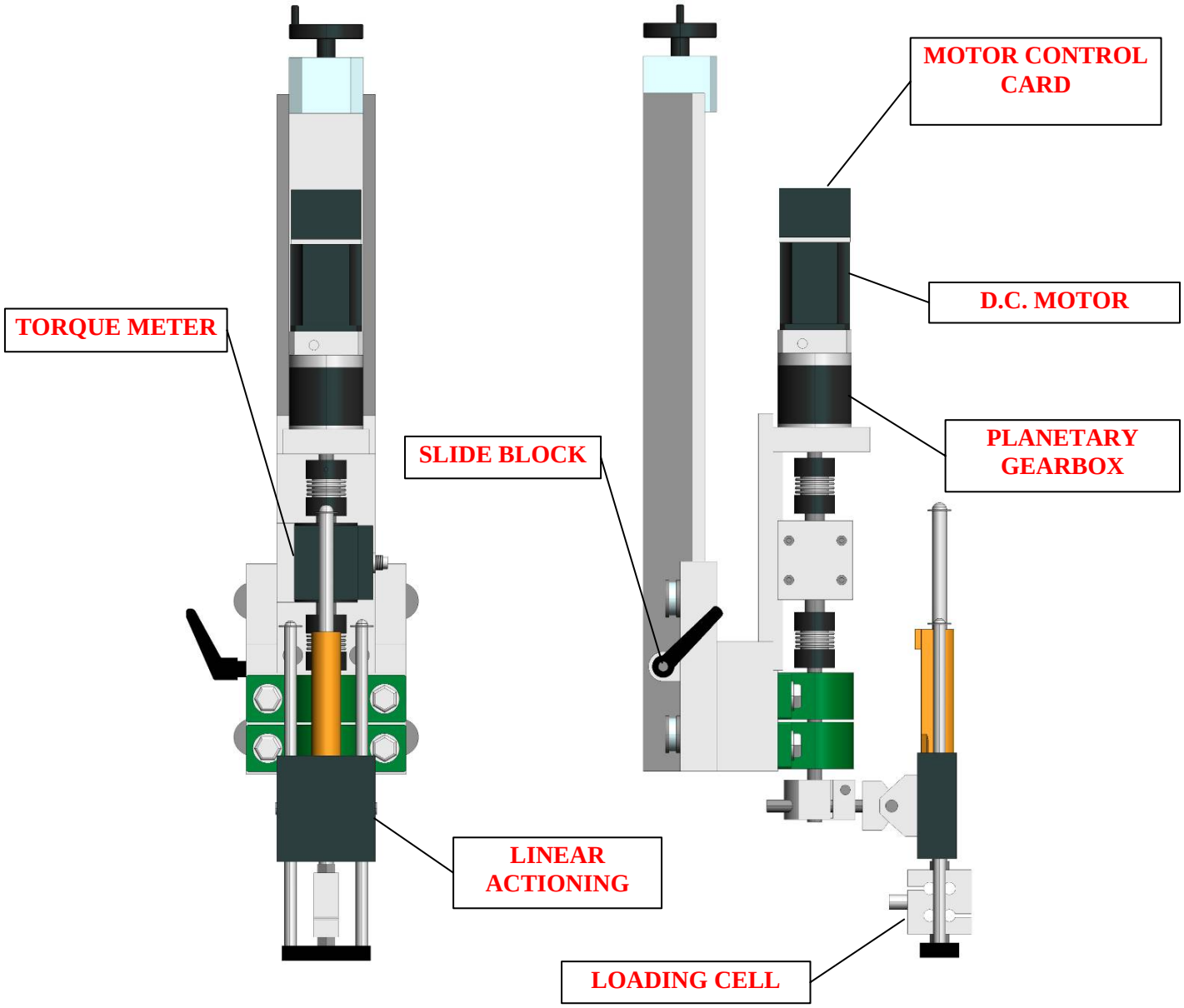
OPTIONAL:

- **TEST CYCLE EXECUTION OF AUTOMATIC DIVERTERS ACCORDING TO EN 817-200 STDS.**
- **TEST CYCLE EXECUTION OF AUTOMATIC DIVERTERS ACCORDING TO EN 11148 STDS.**
- **TEST CYCLE EXECUTION OF SINGLE TAPS ACCORDING TO EN 200 STANDARDS.**

SETTING TEST PARAMETERS:

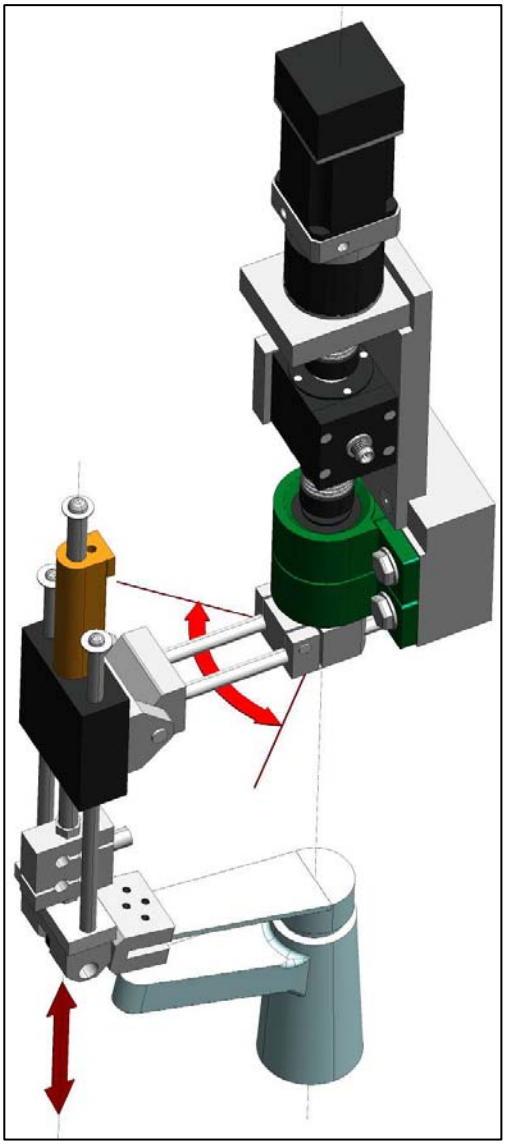
- **ANGULAR ROTATION: 1÷180 °/s**
- **LINEAR SPEED: 1÷300 mm/s**
- **TORQUE: 1÷10 Nm**
- **LINEAR FORCE: 5÷44 N**

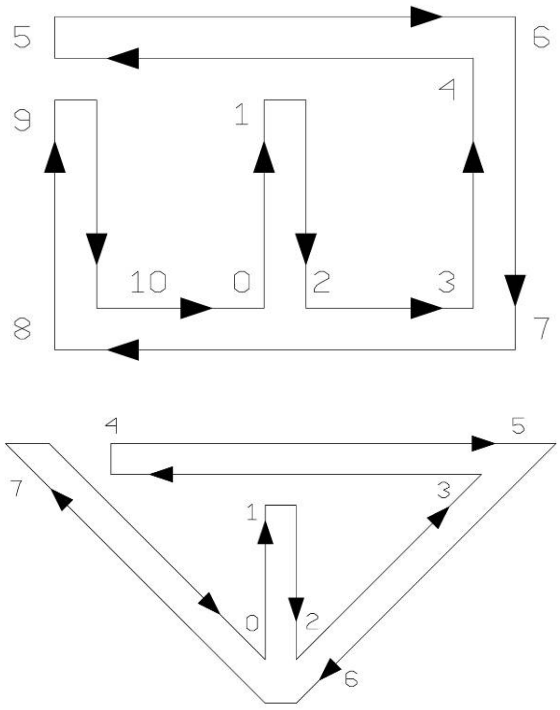
DESCRIPTION OF THE MAIN ELEMENTS:

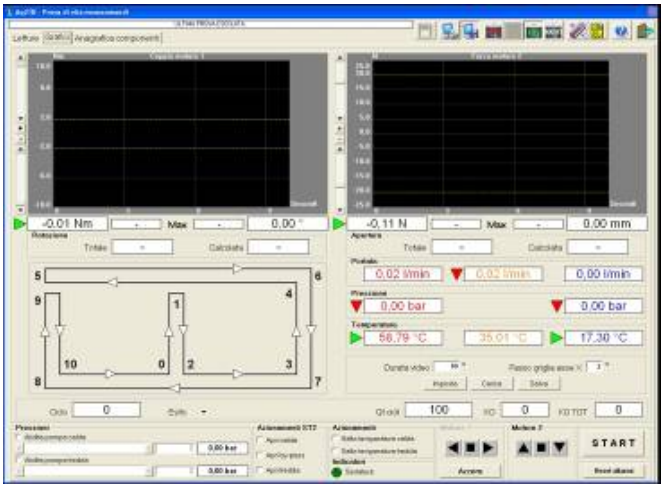


1. SINGLE LEVER MIXERS

The movement system is used in order to verify the mechanical resistance loaded to the manoeuvring device of mechanical mixers.
The procedure consists in subjecting the manoeuvring device to a specific number of time movements, to specified pressure and water temperatures (≤ 30 °C for cold water and 65±2 °C for hot water).
The automatic machine is able to realizing the definite cycles shown in the figures below 817:2008.







2. SWIVEL SPOUTS

The movement device is used in order to verify the mechanical fatigue resistance of the swivel spouts.
The test method consists in subjecting the swivel spouts to a specific number of movements with cold and hat water.
The device assures an alternated movement of the swivel spouts of 15 cycles per minute.
The temperature of the water must be comprised between 15 and 30 °C.