

## AUTOMATIC MORTAR MIXER

101-E0122-20

**MatCivTest**  
MATERIAL CIVIL TEST EQUIPMENT

### 101-E0122-20 CEMENT AND MORTAR MIXER

#### Cement and Mortar Mixer

The program-controlled stepping motor is used to rotate at a variable speed, which drives the hopper to rotate and pours the mortar into the mixing bowl evenly. The feeding process can fully meet the standard feeding speed through the program, and the feeding completeness is maximised.

#### Features

- New feeding structure. The program-controlled stepper motor is used to rotate at a variable speed, which drives the hopper to rotate and pours the mortar into the mixing bowl evenly. The feeding process can fully meet the standard feeding speed through the program, and the feeding completeness is maximised.
- Magnetic base type mixing bowl locking device. The mixing bowl is locked by magnetic rare earth suction, which makes the installation of the mixing bowl more convenient and stable, and avoids the shaking of the mixing bowl during the stirring process.
- Intelligent expert setup system. Users can compile the test process control mode according to their actual requirements and complete the test automatically. It can realize the function of continuous loading and holding load under any load. There is no shock and vibration during the test, and it has good reading stability. The test process can be simulated and reproduced.
- The door can be easily opened and closed by using the button.
- The mixing bowl holder adopts stepper motor and ball screw to realize automatic lifting function and accurate positioning.
- The main shaft adopts stepper motor soft transmission, and cooperates with planetary gear device to reduce noise and improve service life.



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Specification:

- Mixing paddle revolutions: Low speed: rotation  $140\pm 2r/min$ , revolution  $62\pm 2r/min$ ; High speed: rotation  $285\pm 3r/min$ , revolution  $125\pm 3r/min$
- Movement trajectory: Same as ISO679
- Working mode: Manual and automatic modes -Mixing paddle: Overall width: 135mm; effective length: 130mm; thickness:  $6\pm 2mm$
- Mixing paddle connection: Quick-connect (the paddle can be disassembled at any time, which is convenient for cleaning the paddle)
- Mixing bowl: Capacity: 5L; depth: 180mm; inner diameter: 200mm; thickness 3mm
- Mixing bowl installation: Magnetic locking structure
- Working gap: The working gap between the paddle and the bowl is  $3\pm 1mm$
- Motor: Stepper motor soft transmission (power 0.75kW)
- Dimensions: Length 400 x width 560 x height 900 mm
- Weight: 63kg

