

# LABORATORY CEMENT MORTAR MIXER TPCE-20H

**STANDARD: EN 196-1, EN 196-3, EN 480-1**

## 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 higher.
- Magnetic suction type mixing bowl locking device. The mixing bowl is locked by magnetic 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.



## TECHNICAL SPECIFICATIONS

Mixing paddle revolutions	Low speed		High speed	
	Rotation: 140±2r/min	Revolution: 62±2r/min	Rotation: 285±3r/min	Revolution: 125±3r/min
Movement trajectory	Same as ISO679—1989 (E)			
Working mode	Manual and automatic modes			
Mixing paddle	Overall width: 135mm; effective length: 130mm; thickness: 6±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±1mm			
Power	220V 50~60Hz Stepper motor soft transmission (power 0.75kW)			
Dimensions	Length 400×width 560×height 900(mm)			
Weight	63kg			

**SINCE 2006**

**ZHUZHOU TIANPENG INSTRUMENT MANUFACTURING CO., LTD.**  
Website: [www.testmould.com](http://www.testmould.com) Tel: +86-312-3852880