

AUTOMATIC MORTAR MIXER

101-E0122-50

MatCivTest

MATERIAL CIVIL TEST EQUIPMENT

101-E0122-50 MORTAR MIXER 5L AUTOMATIC

Standards

ASTM C305 , EN 196-1, EN 196-3, EN 1015-2, EN 413- 2, 459-2, EN 12687-35

TECHNICAL SPECIFICATIONS

The Automatic mortar mixer is designed to mix mortars and cement pastes to the requirements of EN 196-1, EN 196-3 and ASTM C305.

The mixing paddle has a planetary motion and is driven by a motor with a microprocessor speed controller.

When the device automatic use option is selected; It mixes according to pre-programmed mixing programs in accordance with the cement and mortar preparation steps specified in international standards.

In the manual option, the machine can be used as a simple to operate, two-speed mixer.

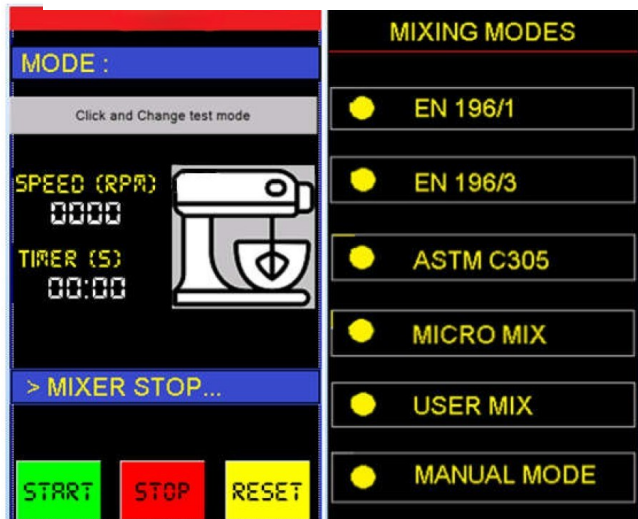
Additionally, an automatic mixing program option where the user can define the time intervals for mixing has also been provided.

A safety switch is included to help set the mixing beater to the correct position to control the required clearance between the mixing blade and the bowl.

An automatic sand dispenser is attached to the side of the mixer and feeds the sand into the mixing bowl through an automatic command from the program controller, depending on the program selected.

A water dispenser assembly is also fitted to the side of the machine and allows the dispensing of pre-determined volumes of water for the requirements of EN 196 automatic.

The mixing paddle revolves at a rate of : 140 and 285 (r.p.m. clockwise) with a planetary motion of : 62 and 125 (r.p.m. clockwise)



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Technical

5L Capcaity Bowl

220/240V 50Hz

Speeds (rpm) Paddle Mixing Head Shaft

- Low (Manual Speed 1) 140 ± 5 Planetary 62 ± 5

- High (Manual Speed 2) 285 ± 10 Planetary 125 ± 10

- 5 in Colour Touch Screen Display for display data. Equipment Interface:

HC05 Model Bluetooth for connection PC and Printer.



101-E0122-59 MORTAR MIXER 5L WHISK

Automatic Mixing Methods Processing Steps Pre Programed			
Automatic mixing methods for EN 196-1 Standard			
Step	Process	Speed (rpm)	Time (second)
Step1	Adding Cement and Water	140	30
Step2	Adding Sand	140	30
Step3	High Speed Mixing	280	30
Step4	Scrapping Bowl	****	90
Step5	High Speed Mixing	280	60
Automatic mixing methods for EN 196-3 Standard			
Step	Process	Speed (rpm)	Time (second)
Step1	Adding Cement and Water	140	90
Step2	Adding Sand	140	90
Step3	Scrapping Bowl	****	30
Step4	Low Speed Mixing	140	90
Automatic mixing methods for ASTM C305 Standard			
Step	Process	Speed (rpm)	Time (second)
Step1	Adding Cement and Water	140	30
Step2	Adding Sand	140	30
Step3	High Speed Mixing	280	30
Step4	Scrapping Bowl	****	90
Step5	High Speed Mixing	280	60
Automatic mixing methods for Micro Mix			
Step	Process	Speed (rpm)	Time (second)
Step1	Adding Cement and Water	140	120
Step2	Scrapping Bowl	****	240
Step3	Low Speed Mixing	140	120
Step4	High Speed Mixing	280	60

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Phone: +61 (0) 418 246 108 - Email: sales@matcivtest.com.au

Australian Head Office: 122 Young Street, Annandale NSW 2038