

## E092N KIT

### MIXMATIC "HIGH PERFORMANCE TOUCH SCREEN"

### AUTOMATIC PROGRAMMABLE COMPUTERIZED MORTAR MIXER

STANDARDS: EN 196-1, EN 196-3:2005, EN 413-2, EN 459-2, EN 480 / NF P15-314 / EN ISO 679 / DIN 1164-5, DIN 1164-7  
ASTM C305 / AASHTO T162

section E

NEW



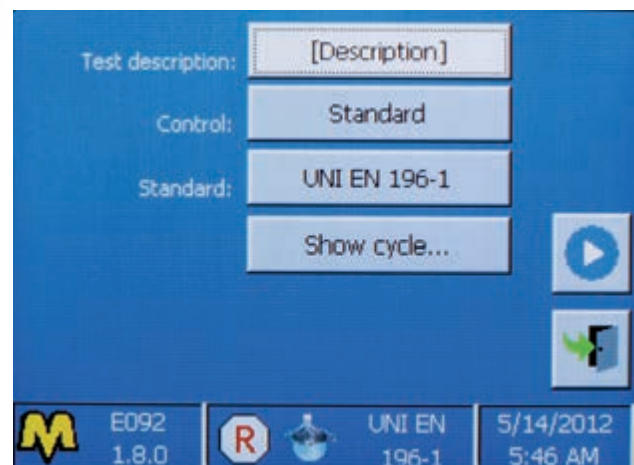
E092N KIT

#### Design :

- Very sturdy and durable construction for intensive laboratory use.
- Planetary transmission for silent and low maintenance operation.
- Automatic sand dispenser having dimensions and geometry to grant the correct sand insertion, without residual and disaggregation between fine and coarse portions.
- Dispenser for additives (see accessory mod. E092-05).
- Dispenser for automatic water addition (see accessory mod. E092-06).
- Transparent CE-conform protection of the mixing area, to allow the mixture looking during the test.
- Digitally controlled rotation speed..
- Complete with stainless steel polished beater and mixing bowl.
- Easy and fast bowl insertion and removal.
- Safety system of bowl presence and correct position to avoid dangerous working, with double sensor of removed bowl with load/unload sequential discrimination.
- Emergency stop button.

#### Firmware:

- Different automatic programmable mixing cycles conforming to the a.m. Standards.
  - The operator can also program up to 30 automatic personalized mixing cycles, easy to set through Touch Screen.
  - Synchronised acoustic signals with cycle steps.
  - Electronic control unit with touch screen colour display, that runs like a standard PC based on Windows operating system for the management and analysis of the data, test results, graphs. The touch-screen icon interface allows an easy set up of the parameters and immediate execution of the test. Direct connection to Intranet (connection to a LAN network) and Internet to establish a remote communication and receive an immediate diagnostic analysis of the potential problem from Matest technicians, or for updates of the software.
- Hardware technical details: see pag. 24  
Unlimited memory storage with: 2 USB ports, 1 SD card slot, RS232/485 serial port.
- Rotational motor feeded through inverter to grant the max. precision of the rotational speed, adjustable by the operator on the display.
  - Possibility of manual mixing cycle.
  - Possibility to select different languages.



Selection of the Standard

- Detailed indication of all the times (elapsed from the test start, residual to end test, elapsed from and test and bowl removal), state of cycle development with analogue bar; speed, active phase (sand, water), test state (correct execution or test interruption with lost results), type of current test.

Power supply: 230V 50/60 Hz 1 ph  
Dimensions: 530 x 620 xh 780 mm  
Weight : 85 kg

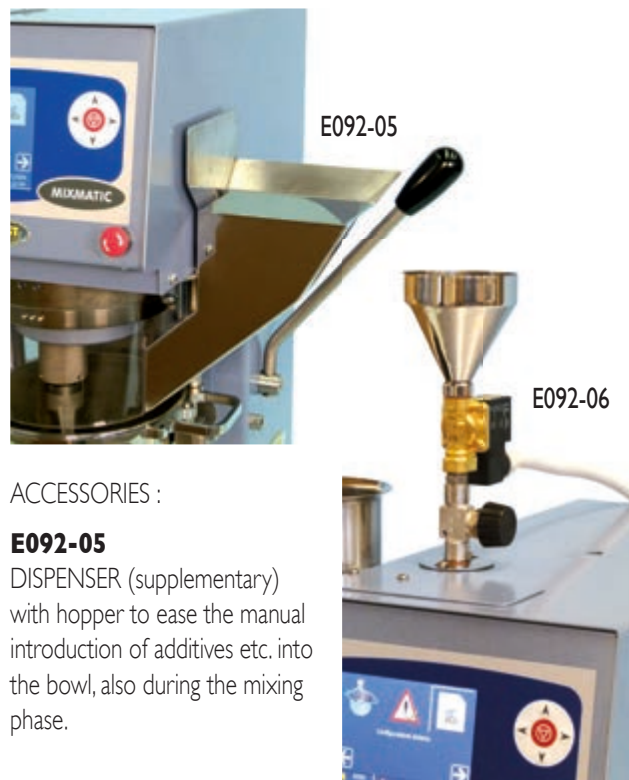
**E092N KIT MIXMATIC** ...follows...



Test execution



Personalized cycle composition



ACCESSORIES :

**E092-05**  
 DISPENSER (supplementary) with hopper to ease the manual introduction of additives etc. into the bowl, also during the mixing phase.

**E092-06**  
 DISPENSER (supplementary) with hopper for the automatic introduction (managed by the software) of water into the bowl, also during the mixing phase.

**E097-01N** Reference sand, size 0,08÷2 mm to EN 196-1 Standard.  
 Bag of 1350 g. Pack of 16 bags for total of 21,6 kg.



Main menù

SPARE PARTS:

**E092-10** BOWL, stainless steel 4,75 litre capacity.

**E095-04** BEATER, polished, stainless steel.



USE EXAMPLE



... follows...



## MORTAR MIXERS

STANDARDS: EN 196-1, EN 196-3:2005, EN 413-2, EN 459-2,  
EN 480-1 / EN-ISO 679 / NF P15-314 / DIN 1164-5  
UNE 80801 / ASTM C305M / AASHTO T162



E093 + E095-03

MODELS:

### E093

#### Automatic mortar mixer

This very robust mixer is expressly designed for the efficient mixing of cement pastes and mortar, with "four" automatic sequences of mixing cycle, in compliance with:

EN 196-1, EN 196-3:2005, EN 480-1, ASTM C305M Specifications.

Bowl capacity is 4,7 litres

Two speeds can be selected:

140 or 285 rpm for the revolving action

62 or 125 rpm for the planetary action

It is possible to select the manual working, or one of the two automatic programs.

By operating automatically on changes of speed, stops and mixing sequences, outlined by acoustic signal, the unit performs the mixing cycle.

The unit is equipped of an automatic sand dispenser which fills the sand into the mixing bowl for a period of 30 seconds (EN 196-1 program). Complete with safety door conforming to CE Safety Directive; if opened it automatically stops the machine.

Supplied complete with stainless steel bowl, bajonet coupling between beater and shaft, but "without beater" which has to be ordered separately (see mod. E095-03 or E095-04).

Power supply: 230 V 1ph 50 Hz

Dimensions: 340x460x700 mm.

Weight: 45 kg

### E094

#### Mortar mixer

Basically similar to mod. E093, but not equipped of automatic program, sand dispenser and safety door.

Two speeds can be selected. Supplied complete with stainless steel bowl, but "without beater" which has to be ordered separately.

This mixer can be supplied only to extra CE markets

Dimensions: 340x460x500 mm

Weight: 40 kg



E094

### E095

#### Mortar mixer

Basically similar to mod. E094, but complete with sand dispenser and safety door to CE Safety Directive.

Two speeds can be selected. Supplied complete with stainless steel bowl, but "without beater" which has to be ordered separately.

Dimensions: 340x460x500 mm

Weight: 44 kg

ACCESSORIES FOR E093, E094, E095 MIXERS:

**E095-03** Stainless steel beater with bayonet fittings.

**E095-04** Stainless steel beater with bayonet fittings.

The beater is accurately polished to eliminate the porosities.



E096-01

### E096-01

Dispenser with hopper, to ease the manual introduction of water, additives etc. into the bowl also during the mixing phase. Accessory to mod. E093 and E095 mixers.

**E097-01N** Reference sand, size 0,08÷2 mm to EN 196-1 Standard.

Bag of 1350 g. Pack of 16 bags for total of 21,6 kg.

SPARE PARTS FOR E093, E094, E095 MIXERS:

### E095-01

Stainless steel bowl

### E095-05

Bajonet coupling between beater and shaft



E097-01

E095-03

E095-01

E095-05

E095-04