

Product Information Model 6214

Mortar Mixer ToniMIX

Application

Preparation of standard prisms with automatic mixing procedure including water feeding in accordance with EN 196-1, EN 196-3, ISO 679, DIN 1164, ASTM C 305 and other standards.

Advantages

- sturdy and durable housing
- wear resistant and precise paddle
- low-noise operation
- display shows the chosen mixing speed and current status of selected mixing programm, with additional audible signal
- uniform program sequences for all standards
- illuminated internal mixing area
- special programs by request
- water-resistant operating devices
- dust extraction system included
- proven CE-conformity
- standard power supply
- automated operation with up to 6 programs
- anytime with listed accessories expandable
- reproducible mixer start after water feeding
- distilled water can be used as standard requires

Working Principle

The standardized mixing bowl is made of stainless steel and tested on absolute roundness. The high reliable standardized stainless steel paddle performs coeval a revolving and a planetary motion in accordance with the standards. The paddle is fixed high-precisely and free from play. A quick clamping device allows a easy exchange of the paddle. The lifting gear with lever operation and spring support is used for an easy removal and insertion of the mixing bowl. The gap between paddle and mixing bowl is constant. After the selection of a program and its confirmation at the display, the processor is controlling the program of the chosen standard automatically. The display shows the chosen mode and counts the remaining time. An optical and audible signal calls attendance of the user. The stop button cancels the program. The gauging water comes from a defined container (225 ml / 242 ml acc. to the variant) and is added by the control unit.



Design

This mixer is a very sturdy construction for laboratory use. The newly developed housing is made of light cast alloy. With a durable toothed belt drive and a planetary transmission for silent and low maintenance operation. The speed of the motor is controlled electronically, other speed settings on request. A compulsory separative switch guarantees an CE-conform protection of the mixing area. Additional available are a water dosage for 225 ml or 242 ml, an automatic sand supply for standard tests and a SPC program control unit.

For further Information please contact:

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Configurations of the different Models

Description	Item number	6214.100/EN	6214.100/ASTM	6214.200/EN	6214.200/ASTM
Shield	6214.004	☒	○	☒	○
Door incl. safety switch	6214.005	○	☒	○	☒
Paddle EN	1551.31	☒	-	☒	-
Paddle ASTM	1551.32	-	☒	-	☒
Mixing bowl	1551.18	☒	☒	☒	☒
Automatic sand supply	6214.20	☒	☒	☒	☒
Sand container EN 196 - 1345 g ASTM C109 (6) - 1385 g	6214.96	☒	☒	☒	☒
Sand container ASTM C109 (9) - 2035 g	6214.98	-	☒	-	☒
Sand container 2x EN - 2700 g	6214.97	○	○	○	○
Water dosage EN - 225 ml	6214.41	△	-	☒	-
Water dosage ASTM - 242 ml	6214.41.1	-	△	-	☒
Software version		EN	ASTM	EN	ASTM

Configuration Legend

☒	included in delivery
○	optional available
-	not available in this configuration
△	afterwards retrofit by Toni Technik Service

Technical Data Basic Device

Required space Surface / height	mm	500 x 700 / 800
Max. power consumption	kW	0,4
Voltage	V // Hz	110 / 230 // 50-60
Weight gross/net	kg	110/89
Shipping dimensions w x d x h	mm	800 x 600 x 900
Max. mixing weight	kg	approx. 4
Technical Data Water Dosage		
Dosing quantities	ml	
Water dosage EN		225 ± 1
Water dosage ASTM		242 ± 1
Volume of the water reservoir	l	10