



Automatic Mortar Mixer

STANDARDS

AASHTO T162

ASTM C305

DIN 1164

EN 196

Introduction to Automatic Mortar Mixers

Automatic mortar mixers are advanced devices designed for the efficient and consistent mixing of cement, mortar, and similar construction materials. These mixers automate the preparation process, ensuring uniformity and compliance with stringent industry standards. Widely used in construction material testing, research, and quality control laboratories, automatic mortar mixers are essential for achieving reliable results in material performance assessments.

Qualitest offers a top-quality, competitively priced range of automatic mortar mixers tailored to meet and exceed international standards such as ASTM C305 and EN 196-1. These standards define the requirements for mixing efficiency, specifying differences in paddle and bowl sizes to suit varying material quantities and testing conditions. For instance, ASTM C305 emphasizes the preparation of pastes and mortars using specific dimensions for paddles and bowls to replicate standardized conditions, while EN 196-1 provides guidelines for testing cement strength with equally precise specifications.

Qualitest's range of mortar mixers includes models with additional functionalities like automatic sand and water mixing, reducing operator involvement and enhancing consistency. These versatile mixers are ideal for laboratories and testing facilities focused on developing and analyzing high-performance construction materials.

Automatic Mortar Mixer Systems

Automatic Mortar Mixer systems help cement and mortar labs standardize batch prep for QC and R&D. Automated feeding and controlled mixing reduce operator variability, improving repeatability across strength and admixture tests. Use the table below to compare the best option for your lab.

Technical Parameter	ASTM C305 - Sand & Water / Admixing - 4.73 L	ASTM C305 - Sand Feeding Device - 4.73 L	EN 196 - Sand Feeding Device - 5 L	QMix	EN 196 - 5 L - Light Version
Standard / Method	ASTM C305	ASTM C305 (programs also list ASTM C451 + C305 paste)	EN 196	EN 196-1, EN 196-3, EN 480-1	EN 196
Bowl Capacity	4.73 L	4.73 L	5 L	5 L	5 L
Control & Automation	Automatic program (manual operation also stated)	Stored mixing programs (P1-P4)	Manual control	Manual + automatic modes; intelligent control	Manual control
Feeding / Dosing	Auto sand feed + water dosing; cement manual	Sand feeding device (water dosing not stated)	Sand inlet manually controlled; cement + water manual	Automated feeding system (hopper/stepper-based)	Cement + water + sand manual

Explore our range of cement mixers and experience the reliability and precision required to meet the demands of modern construction testing.



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