

Simpson Multi-Mull®

Foundries producing medium to very large volumes of castings on high-speed molding lines demand large volumes of prepared sand and maximum productivity from the sand plant. The Simpson Multi-Mull is specifically designed to provide medium to very large volumes of high-quality molding sand on a continuous basis and utilizes the same effective mulling technique as the Simpson Mix-Muller.

Description

Medium-speed, high-intensity, muller-type mixer for continuous operation.

Application

Medium-to very large-sized sand preparation systems seeking consistently high volumes and maximum efficiency.

Features

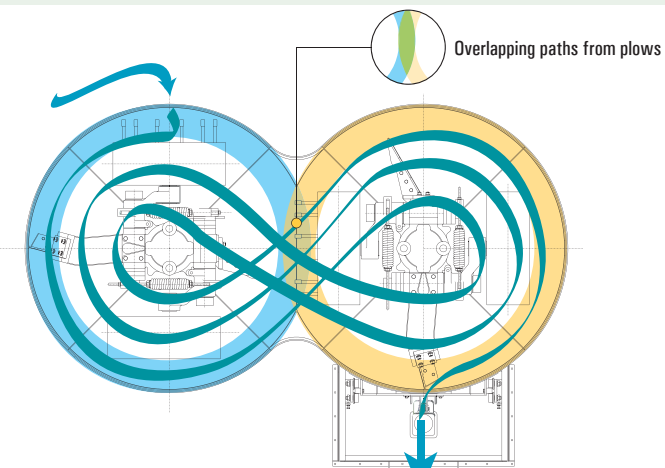
- Continuous mixing with back blending
- Maximum energy efficiency
- Controlled retention for consistency

Upgrades

- Abrasion Resistant Polyurethane Liners
- Abrasion Resistant Polyurethane Wheels with Wear Indicators
- Discharge Door and Controls Upgrade

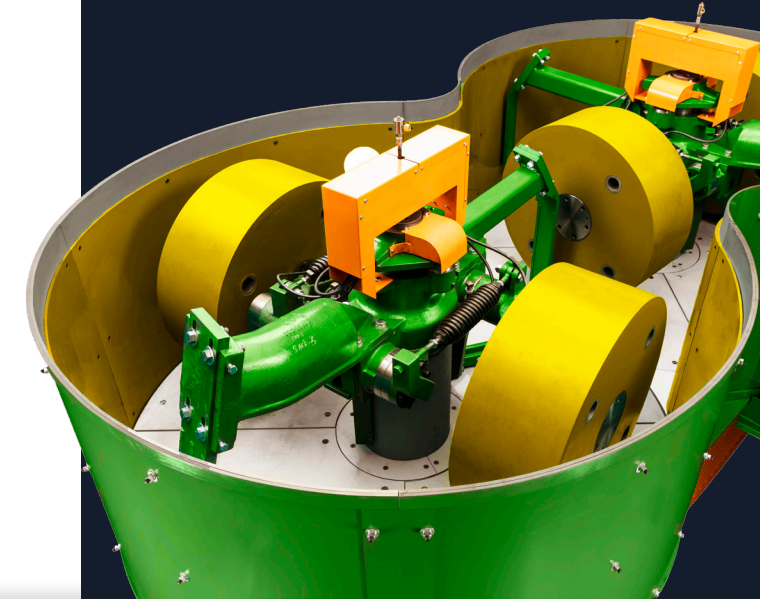
Efficiency

Two sets of counter-rotating mixing tools provide intensive mixing and continuous back-blending of a large volume of retained sand to eliminate any "first-in/first-out" effect and eliminate the variations in return sand properties. Based on sensors monitoring motor load, the control system adjusts the discharge door opening to maintain a constant volume of sand inside the mixer and/or change the retention time required for different applications.



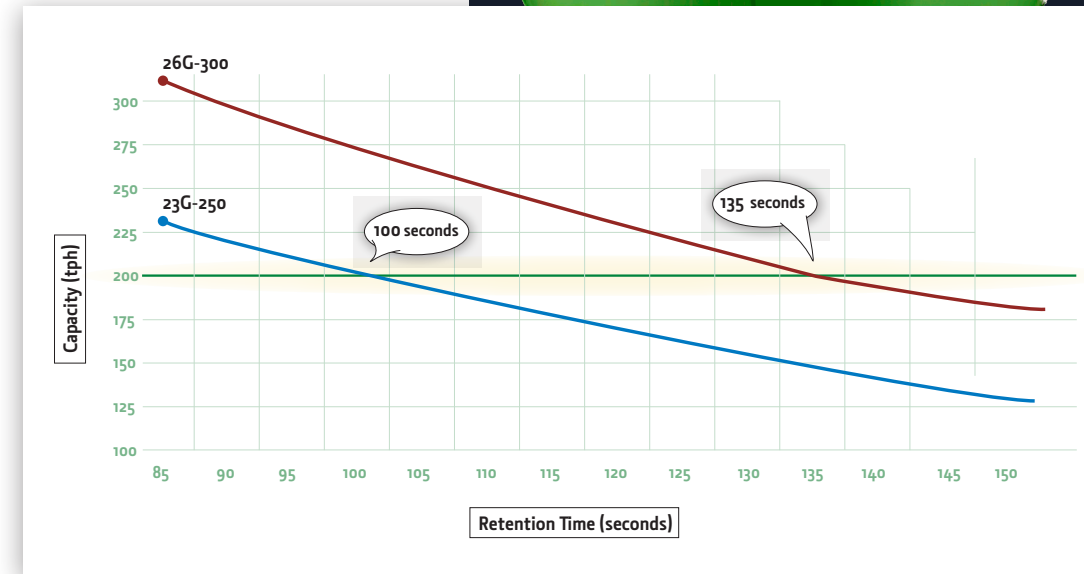
Continuous Mulling

For high-volume, high-quality, cost-effective casting production, the Simpson Multi-Mull is the best solution. This technology produces larger volumes of molding sand at a lower cost of installation and operation than any other mixer in the world.



1 Production Capability

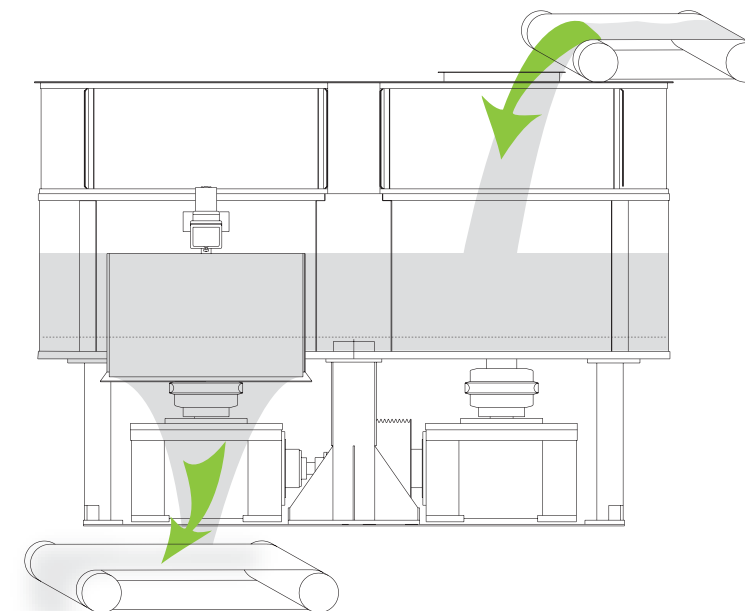
For a 200 tph application different models of the Multi-Mull can be selected depending on the required retention time. The 23G-250 allows for 100 seconds of retention while the 26G-300 would provide 135 seconds.



Simpson Multi-Mull Technical Data - G Series

Model		215G	22G	225G	23G-200	23G-250	26G-300	26G-400	26G-500
Retained Capacity	lbs	2,500	4,900	7,080	9,700	12,180	16,500	19,500	22,500
OUTPUT	at 90s Retention Time	tph	50	98	142	194	244	330	450
	at 120s Retention Time	tph	37	73	106	145	183	247	337
	at 150s Retention Time	tph	30	59	85	116	146	198	270
Crib Diameter	in	65	80	90	100	100	120	120	120
Crib Height	in	30	40	40	45	45	40	55	55
Height	in	100	105	125	130	130	140	160	160
Width	in	80	95	115	125	125	145	145	145
Length	in	125	155	175	195	195	245	245	245
Drive Motor	hp	50	100	150	200	250	300	400	500
Exhaust	ft ³ /min	2,100	3,800	5,100	7,600	7,600	11,000	11,000	11,000
Shipping Weight	lbs	17,000	24,800	38,000	56,000	60,000	80,000	83,000	100,000

All figures are approximate and are subject to change depending upon your application.



2 Lower Installation Costs

One Multi-Mull can easily exceed the combined output of two or more batch mixers and eliminate the cost of the additional mixers, control systems, additive dosing systems and their related maintenance and operating costs.

3 Lower Operating Costs

Working continuously, the starting and stopping of the muller is far less than a batch-type muller. Therefore, maintenance of muller components is comparatively also much less.

4 Productive and Efficient

No cycle time is used for charging or discharging, making the Multi-Mull more efficient in the use of expensive power and the application of energy to the mix than any batch-type mixer.