

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

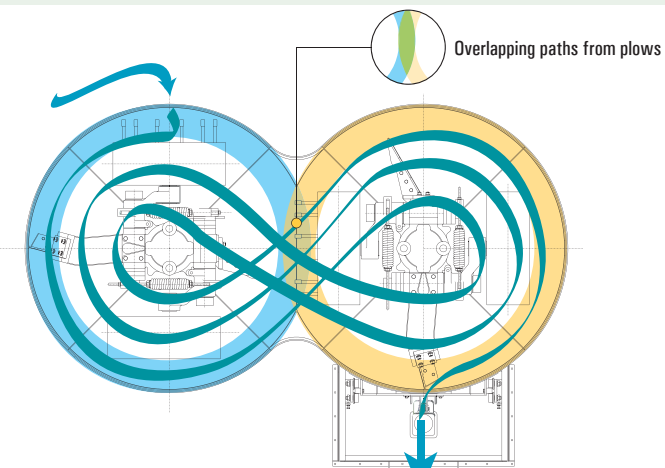
- Continuous mixing with back blending
- Maximum energy efficiency
- Controlled retention for consistency

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.



Simpson Multi-Mull Technical Data - G Series

Model		215G	22G	225G	23G-200	23G-250	26G-300	26G-400	26G-500
Retained Capacity	kgs	1,130	2,220	3,210	4,390	5,520	7,480	8,840	10,200
OUTPUT	at 90s Retention Time	tph	45	90	128	175	220	300	400
	at 120s Retention Time	tph	34	67	96	132	166	225	306
	at 150s Retention Time	tph	27	53	77	105	132	180	245
Crib Diameter	mm	1,625	2,030	2,300	2,560	2,560	3,050	3,050	3,050
Crib Height	mm	830	980	980	1,100	1,100	1,070	1,400	1,400
Height	mm	2,495	2,680	3,125	3,275	3,275	3,425	4,015	4,015
Width	mm	2,615	3,495	3,580	4,485	4,485	5,025	5,285	5,285
Length	mm	3,195	3,650	4,455	4,940	4,940	5,830	5,830	5,830
Drive Motor	hp	50	100	150	200	250	300	400	500
	kw	37	75	112	150	186	225	300	375
Exhaust	ft ³ /hr	3,570	6,460	8,670	12,920	12,920	18,700	18,700	18,700
Shipping Weight	kgs	7,710	11,240	17,230	25,400	27,210	36,280	37,640	45,360

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

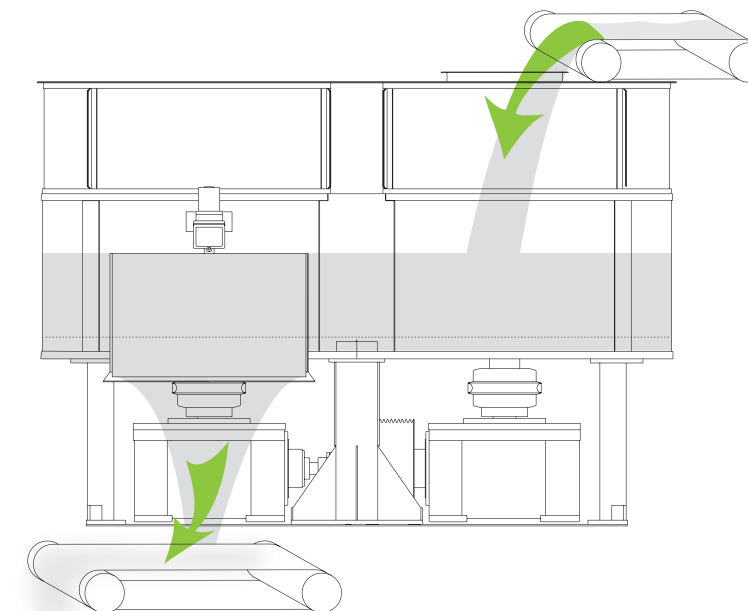
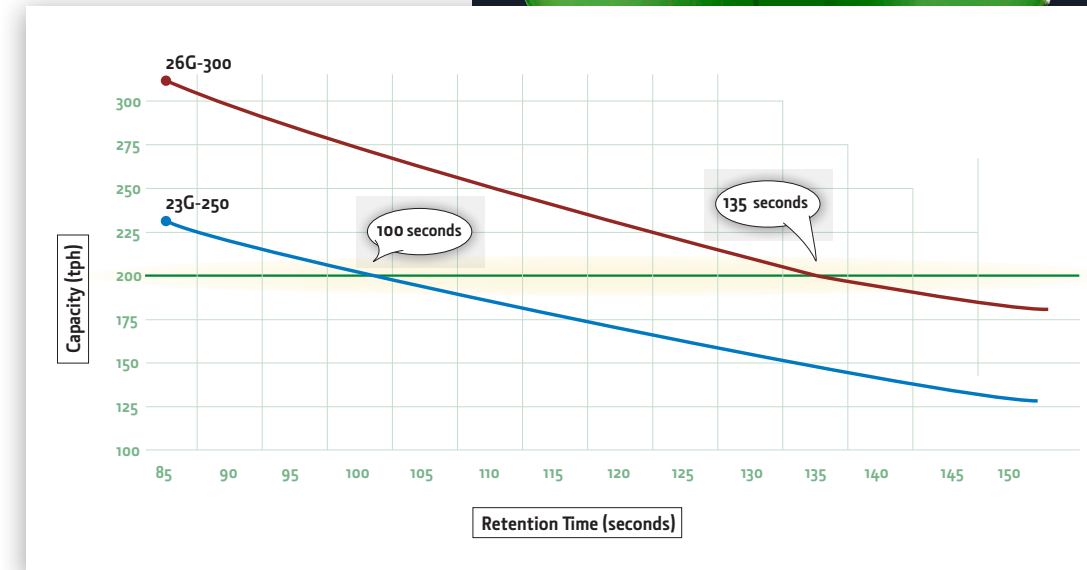
Continuous Mulling

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.



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.