Simpson Speedmullor®

In medium- to large-sized sand systems, higher volumes of throughput demand greater productivity from the sand preparation plant. The Speedmullor is carefully designed and proportioned to achieve maximum mixing performance and energy efficiency while still providing some versatility in applications typical to these sizes of sand systems.

Description
High-speed, high-intensity, muller-type mixer for batch operation.

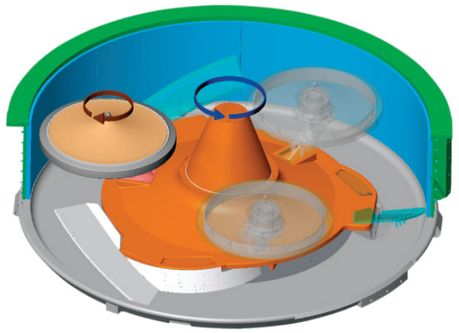
Application
Medium- to large-sized sand preparation systems that still require some versatility in throughput or product.

Features
- The original Beardsley & Piper Speedmullor
- High productivity
- Smaller batch and shorter cycle times
- Secondary cooling

Upgrades
- Abrasion Resistant Polyurethane Liners and Tires
- Abrasion Resistant Ni-Hard Bottom Bowl Liner
- Carbide/Ceramic Plows
- HD Max Gearbox Upgrade

High-Speed

Intensive mulling in a Speedmullor is accomplished by horizontally mounted muller wheels compressing the sand against the mixer wall. Shearing and blending is provided by a series of plows mounted on the mixer crosshead. Rotating at high speed, the combination of muller wheels and plows provide full development of the bentonite and other additives.



Simpson Speedmullor Technical Data - B Series

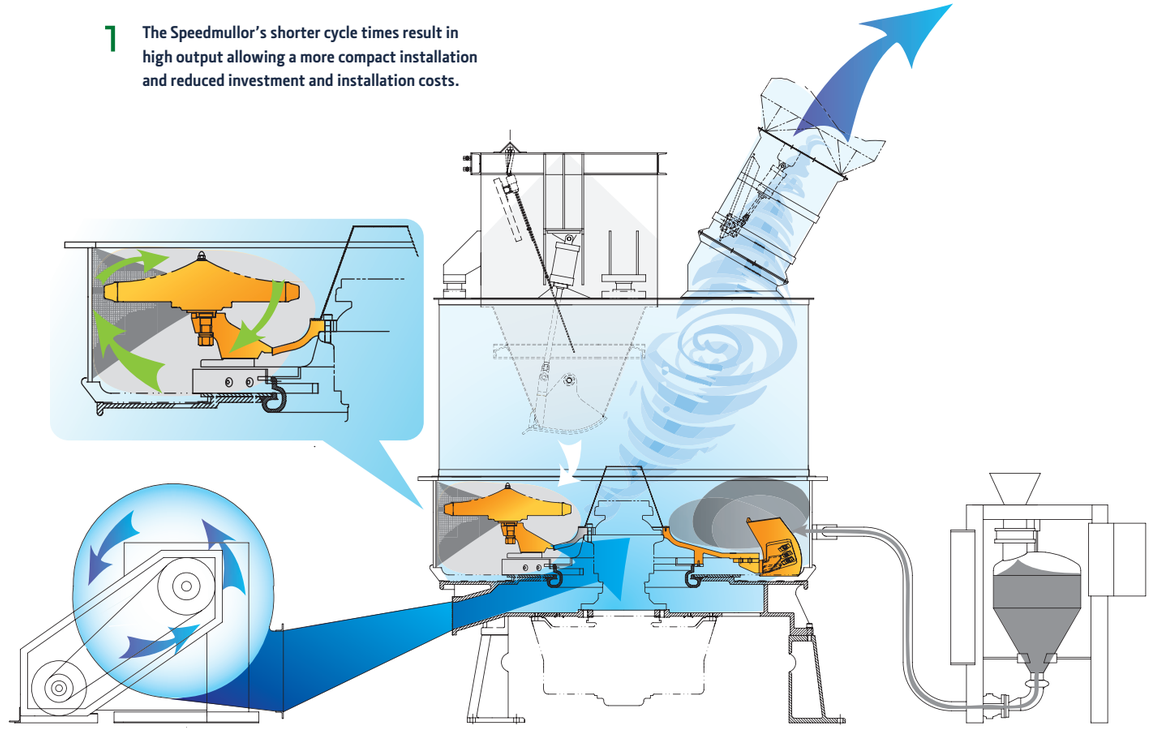
Model		LAB	45B	55B	75B	85B	100B	100B-250	150B
Batch Capacity	lbs	20-40	750	1,200	1,800	3,500	5,000	6,000	8,150
OUTPUT at 90s cycle	tph		15	24	36	70	100	120	163
OUTPUT at 120s cycle	tph		11	18	27	53	75	90	122
Muller Wheels		1	2	2	2	2	3	3	3
Cooling Blower	cfm		2,900	3,800	4,500	6,000	8,000	8,000	8,000
	hp		5	10	15	10	20	20	20
Width	in	28	68	84	98	115	140	140	154
Length	in	40	68	99	108	136	154	154	195
Height	in	44	99	114	125	139	145	157	195
Drive Motor	hp	3	30	60	100	125	200	250	400
Shipping Weight	lbs	750	1,400	3,150	8,100	13,000	21,300	26,550	42,000

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

Batch Mulling

The Speedmullor combines all the best features of all the highintensity batch mixers into a single design — the mixing performance and energy efficiency of mulling with the productivity of a high-speed, high-intensity mixer. The Speedmullor will produce better molding sand, more consistently and at less cost than turbine mixers of the same capacity.

1 **The Speedmullor's shorter cycle times result in high output allowing a more compact installation and reduced investment and installation costs.**



2 **The Speedmullor can be equipped with a cooling system to introduce large volumes of low velocity air to the batch during the cycle. This feature is useful if longer cycles are expected or in tropical climates to provide secondary cooling.**

3 **Water and bentonite are added directly into the sand mass providing for faster dispersion, faster cycles and increased utilization of expensive additives.**