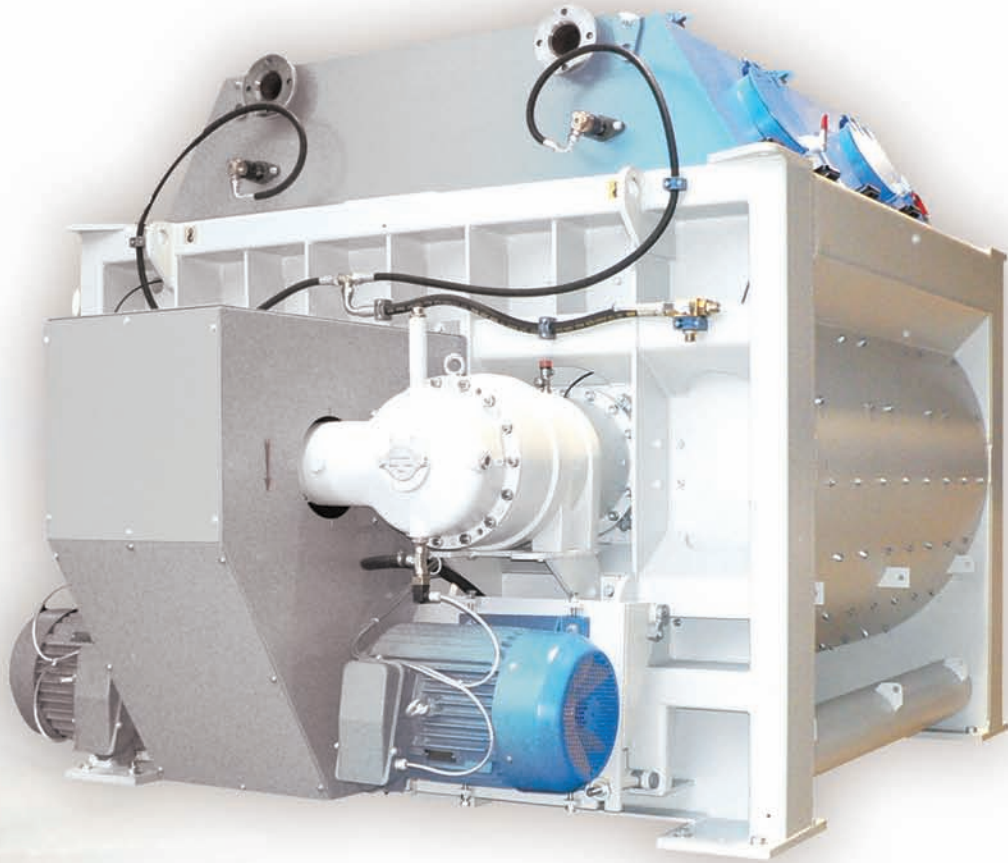


Sicoma Strength

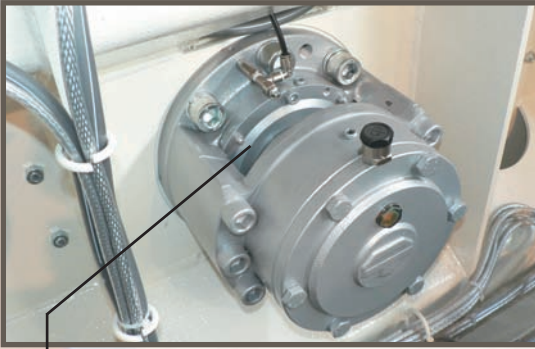
Twin Shaft Mixers

Twin Shaft Mixers

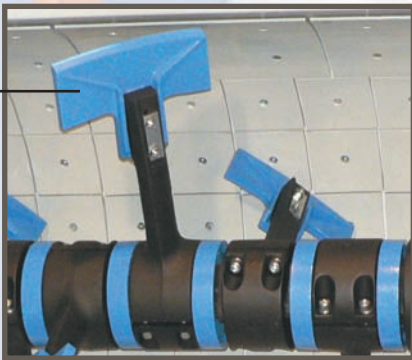
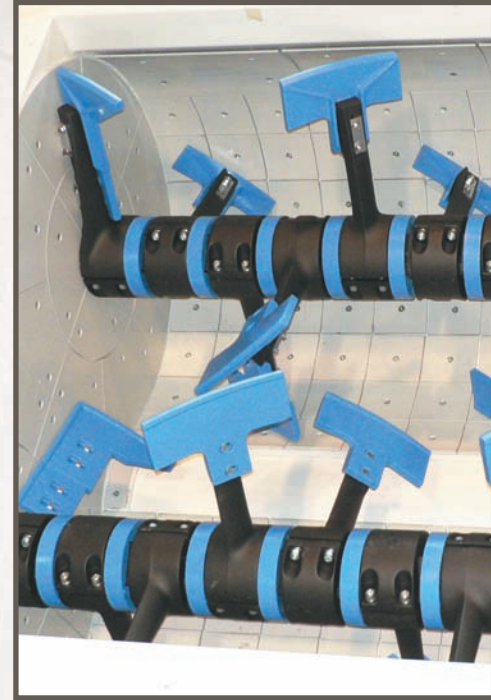


Sicoma mixers are the best selling, worldwide.

Sicoma **Strength**



Sicoma Strength internationally patented Triple Shaft Seals do not rely on grease pressure; they are true one-way valves, positively preventing concrete from entering. Little grease is required and they last the life of the mixer.



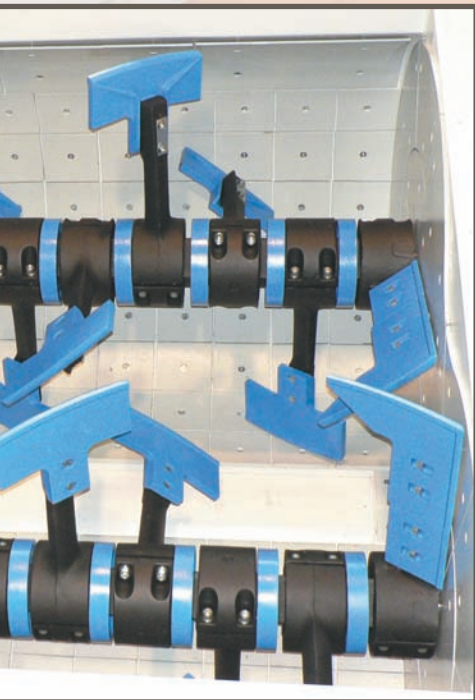
Sicoma Strength Ni-Hard 600 Brinell Cast Iron Blades provide fastest mixing and longest life.

Sicoma Strength Mixing Action uses more paddles in a true spiral, resulting in better mixing

Sicoma Strength

- Sicoma Strength extra-rigid frame holds mixer shape and maintains shaft alignment during heavy mixing, preventing damage and keeping you up and running, year after year.
- Sicoma Strength design concentrates the compulsory mixing action in the center of the mixer, giving a more homogenous mix in faster times and using up to 15% less cement – a huge saving for most applications.
- One day shaft replacement - Sicoma understands that if you are not mixing concrete, you are not producing; therefore we designed our shafts to be changed in one day (if you ever need to), saving you time and money.
- Sicoma Strength Modular inspection platform is standard on all models.
- Electric pump meters an exact amount of grease to each shaft seal in turn. A blocked path triggers an alarm, allowing correction before damage occurs

built into every mixer



than any other twin shaft mixer. Perfect for SCC and all types of slump concrete.



Full width access hatch allows easy access; includes two inspection ports and a high security positive disconnect lock.

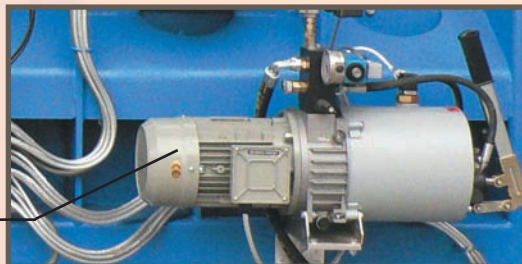


Alarm unit is standard, warns of faulty shaft seal lubrication, low oil levels and high temperatures in gearboxes and motors.

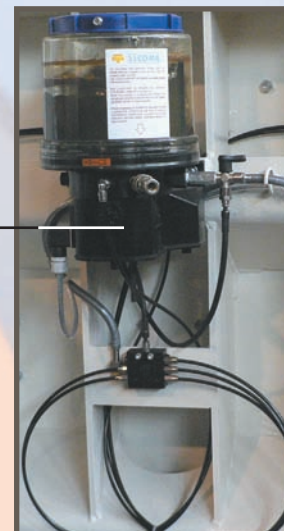
Sicoma Strength

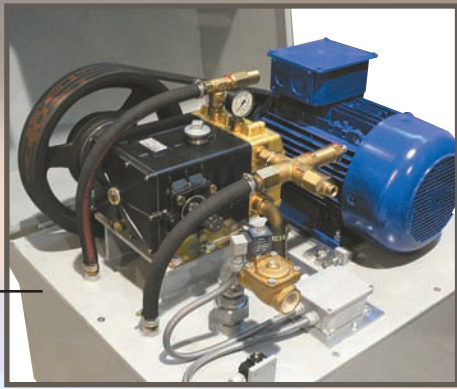
discharge door is hydraulically powered.

A manual lever allows the door to be opened if power is lost.

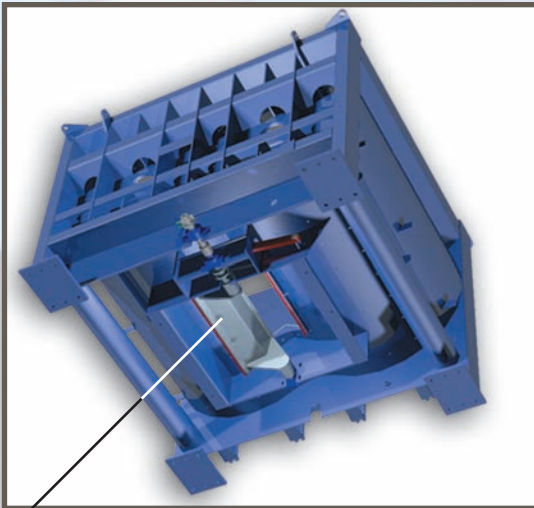


Electric pump and distributor meters an exact amount of grease to each shaft seal in turn, ensuring that each one is properly lubricated.

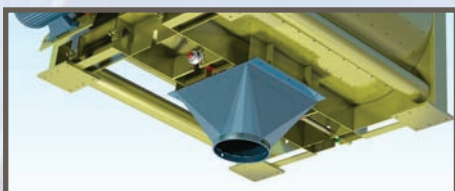




Optional **High Pressure Washout** eliminates most of the worst chore. The powerful pump and twin oscillating spray bars create powerful jets of water in the mixer. These and a hand gun for tough corners makes cleanup easy.



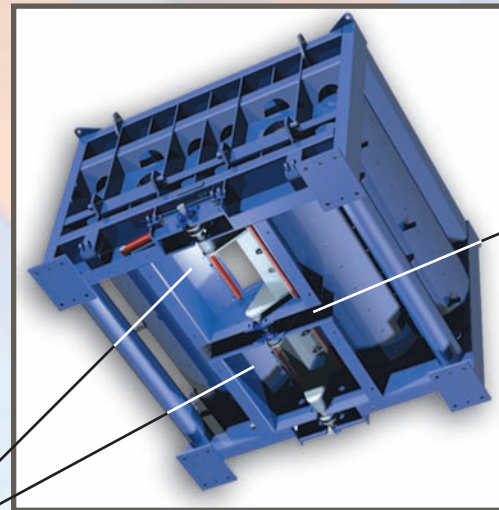
Optional **Reduced Discharge Door** is a Sicoma Strength patented feature. Discharge takes place through an opening 1/3 the full size in very little extra discharge time, due to Sicoma's more numerous paddles and their superior arrangement. This allows the mixer to be mounted several feet lower, in turn reducing the height and cost of the whole plant.



Optional **MixTron microwave moisture system** is bottom mounted for the tightest possible control of slump and moisture.



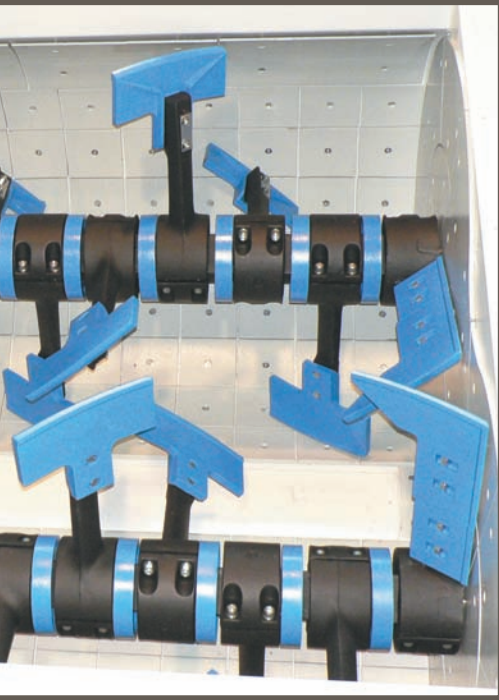
420 cu. yd. per hour premix plant in Beijing, China uses 2 MAO6000 mixers; their low maintenance cost makes them ideal for this application.



Optional **Double Discharge Door** is also unique to Sicoma. Two independent doors and discharge chutes allow mix to be directed to two alternate locations or processes. Discharge chutes on this and the Reduced Discharge Door have washout spray tubes as standard and can also be fitted with high pressure washout nozzles.

Sicoma mixers are the best selling, worldwide.

built into every mixer



Sicoma Strength 2-stage gearbox has had no failure in 30 years of operation and does not need the extra hassle of an oil cooler.



Sicoma Strength waterproof door does not leak. Non-rubbing positive closing action with both pressure and position switches, plus adjustable part-open position and rubber seals give many years of life.

than any other twin shaft mixer. Perfect for SCC and all types of slump concrete.

- Discharge chutes with high pressure washout washout, rubber boot etc.
- Piggyback scale & hopper frame sits atop mixer, makes installation easy.

Optional accessories:

- Reduced and double discharge doors – both exclusive to Sicoma, allow lower height, saving on plant cost, and allow mix to be directed to alternate destinations
- Integrated skip hoist on most models reduces size and cost of plant
- High-pressure washout reduces end of day cleanup by 50% or more
- MixTron moisture controller perfects both dry cast and slump mixes
- Air bag dust collector is simple, economical and effective

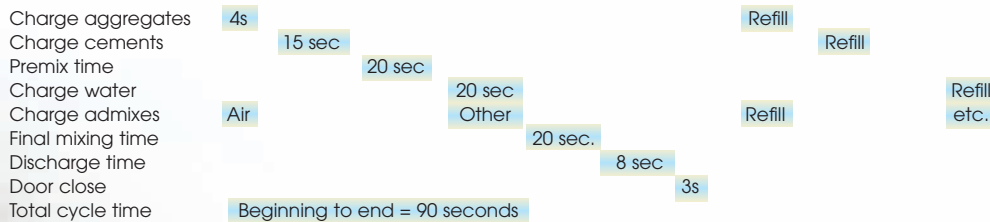
TECHNICAL DETAILS, ENGLISH / METRIC:

MODEL MAO:	1500	2250	3000	3750	4500	5000	6000	7500	9000	120000
Dry filling capacity (aggregates), cu. yd. / cu.m.	1.95 / 1.5	3 / 2.25	4 / 3.0	5 / 3.75	6 / 4.50	6.6 / 5.0	8 / 6.0	10 / 7.5	12 / 9.0	16 / 12
Yield, uncompacted concrete, cu. yd. / cu.m.	1.56 / 1.2	2.4 / 1.8	3.2 / 2.4	4 / 3.0	4.8 / 3.60	5.33 / 4	6.4 / 4.8	8 / 6.0	9.6 / 7.2	12.8 / 9.8
Yield, compacted concrete, cu. yd. / cu.m.	1.3 / 1.0	2 / 1.5	2.6 / 2.0	3.3 / 2.5	4 / 3.0	4.4 / 3.3	5.3 / 4.0	6.6 / 5	8 / 6.0	10.5 / 8
Time per cycle (loading excluded), seconds	60*	90*	90*	90*	90*	90*	90*	90*	90*	90*
Uncompacted concrete per hour, cu. yd. / cu.m.	78 / 560*	96 / 72*	128 / 96*	160 / 120*	192 / 144*	267 / 200*	256 / 192*	320 / 240*	384 / 288*	512 / 384*
Compacted concrete per hour, cu. yd. / cu.m.	52 / 40	80 / 60*	107 / 80*	133 / 100	160 / 120*	178 / 134	213 / 160*	267 / 200	320 / 240	427 / 320
Mixing motors and power, HP / KW	2 x 30 / 22	2 x 40 / 30	2 x 50 / 37	2 x 60 / 45	2 x 75 / 55	2 x 100 / 75	2 x 100 / 75	2 x 125 / 90	4 x 75 / 55	4 x 100 / 75
Skip motor, HP / KW	1 x 15 / 11	1 x 15 / 11	2 x 15 / 11	2 x 15 / 11	2 x 20 / 15	2 x 20 / 15	-	-	-	-
Hydraulic power pack motor, HP / KW	1 / 0.75	2 / 1.5	2 / 1.5	2 / 1.5	3 / 2.2	3 / 2.2	3 / 2.2	3 / 2.2	3 / 2.2	3 / 2.2
Mixing shaft speed, rpm.	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
Number of mixing arms	12	16	16	16	20	20	24	24	32	40
Maximum aggregate size, inches / mm	6 / 150	7 / 180	7 / 180	7 / 180	7 / 180	7 / 180	7 / 180	7 / 180	7 / 180	7 / 180
Overall depth, inches / mm	82 / 2080	94 / 2400	94 / 2400	94 / 2400	102 / 2600	102 / 2600	102 / 2600	102 / 2600	102 / 2600	102 / 2600
Overall width, inches / mm	116 / 2959	138 / 3500	138 / 3500	138 / 3500	159 / 4050	159 / 4050	177 / 4500	177 / 4500	220 / 5600	263 / 6682
Height without cover, inches / mm	58 / 1480	67 / 1707	67 / 1707	67 / 1707	68 / 1727	68 / 1727	68 / 1727	68 / 1727	78 / 1987	78 / 1990
Height with cover, inches / mm	74 / 1880	86 / 2182	86 / 2182	86 / 2182	86 / 2182	86 / 2182	86 / 2182	86 / 2182	90 / 2287	89 / 2268
Weight of empty mixer (without skip), lb / kg	9920 / 4500	16,400 / 7430	16,600 / 7530	16,820 / 7630	20,500 / 9300	21,4700 / 9750	26,240 / 11,900	26,450 / 12,000	31,200 / 14,200	42,000 / 19,000
Weight of empty mixer (with skip), lb / kg	13,640 / 6200	21,000 / 9530	24,870 / 11,280	25,300 / 11,480	30,500 / 13,850	29,100 / 14,250	-	-	-	-

* The time per cycle and the yield per hour can vary according to the mix design and the features of the plant.



RECOMMENDED MIXING SEQUENCE

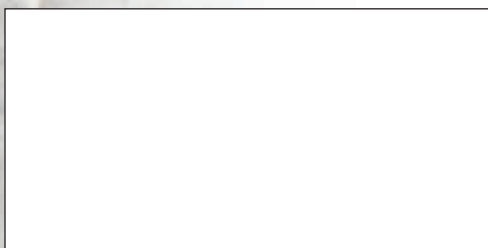


Total cycle time, including discharge, can be as little as 90 seconds for slump concrete; even less for transit-mixed ready-mix. Some products, such as SCC, will take longer due to reaction time of admixtures.

Sicoma mixers are being continuously improved, year by year, ensuring that every model is the top of its class, all the time.

Sicoma Strength and Sicoma quality; no weaknesses – ever!

Contact us for full specifications, dimensions and technical information



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