

OCMER
grandi impianti 1922

OCMER GRANDI IMPIANTI

OCMIX SF

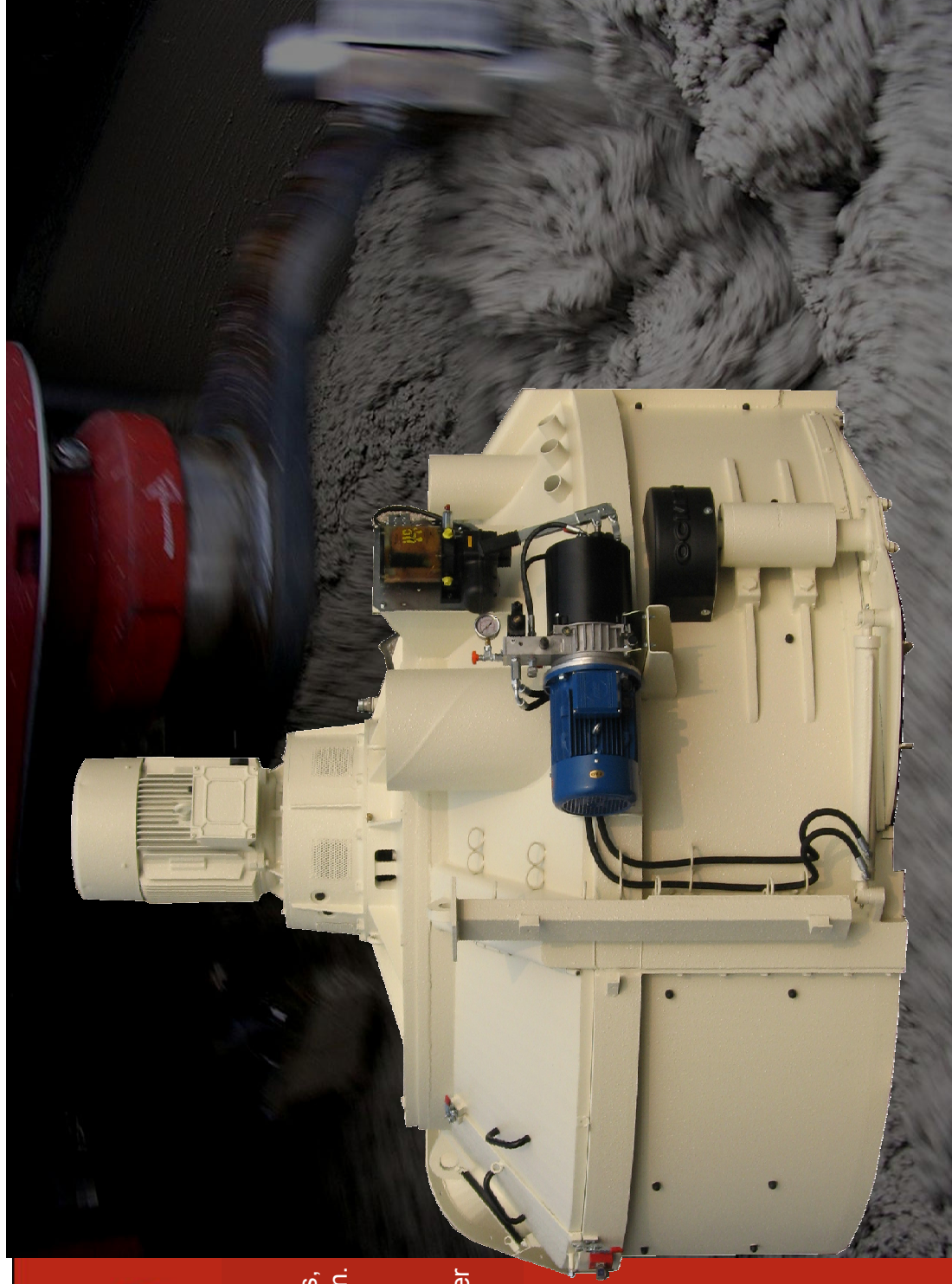
PLANETARY MIXER

BATCHING PLANTS, CONCRETE MIXING AND ECOLOGY SYSTEMS



Ocmer's long experience in the concrete industry is infused into the design of every piece of plant equipment, especially mixers, to guarantee the customer's full satisfaction. We promote "PQRS": Performance, Quality, Reliability and Service. Coupled with minimal running costs and ease of maintenance, the low lifetime cost of Ocmer mixers make them the obvious choice.

*Un'esperienza consolidata ed
attentamente trasferita ai nostri prodotti,
rivolta ad ottenere la massima
soddisfazione dei nostri clienti.
Elevate prestazioni, affidabilità d'esercizio
e ridotti costi di manutenzione sono
le caratteristiche che contraddistinguono
le nostre realizzazioni ed in particolare
la gamma dei mescolatori.*

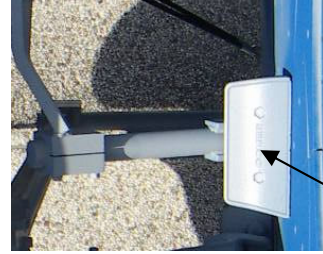


OC MIX SF

PLANETARY MIXER

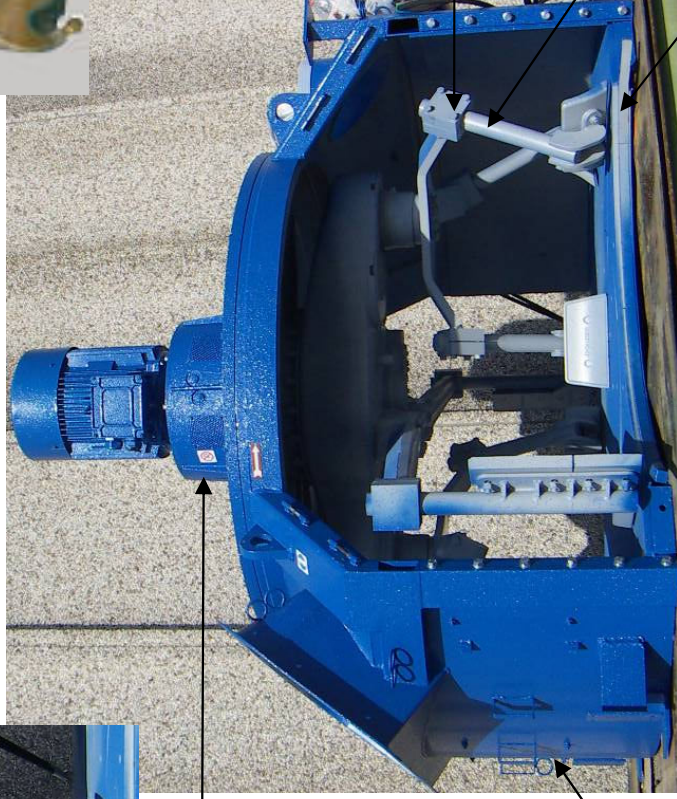
OCMIX GIVES YOU:

- **FASTER PRODUCTION**
- **BETTER QUALITY PRODUCT**
- **SHORTER MAINTENANCE TIMES**
- **CEMENT SAVINGS GIVE YOU RETURN ON INVESTMENT IN MONTHS, NOT YEARS**



OCMIX SF

PLANETARY MIXER



Mixing blades of NI-HARD certified HB600 cast iron give long life. High backed scooped design ensures complete discharge, even with high slump and SCC. Perfect for colored product.

Hydraulic clutch, eliminates damage from shock loads and allows repeated starting with a full load. Less down time, more production.

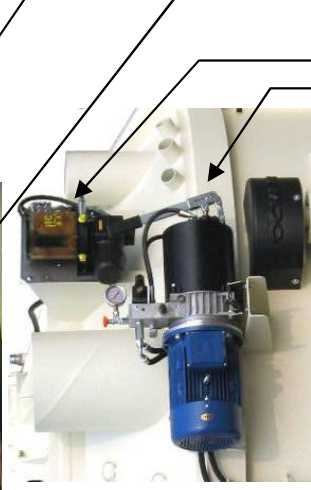
Wider, lower profile pan than most means that a full load can be mixed thoroughly in the minimum time. The wide access covers and lower sidewalls make cleanout and maintenance safe and easy.

Ocmix SF's large horizontally arranged gearbox combines speed reduction and planetary action in one rugged, reliable unit.

Ocmix gearboxes are guaranteed for 5 years / 10,000 hours.



Discharge doors are hydraulically operated. If power is lost, the manual actuator can be used to open the door. For maintenance-free operation, Ocmix SF has automatic lubrication of the main bearings, giving you peace of mind.



Optional High Pressure Washout system uses 360 degree rotating jets to carve away the day's buildup, leaving a clean mixer that requires only minor touchup with the powerful manual gun.

Mixing times of 30 seconds and repeat cycles of 120 seconds or less are normal; consider replacing older, slower models with a smaller size mixer giving the same or higher throughput per hour.

Up to three stars of three blades each rotate at high speed. Vigorous mixing action covers the whole mixer many times each minute, coating the aggregate particles evenly with cement. The saving on cement is up to 20% compared with older types of mixer; payback can be as short as one year.

Mixing stars and arms are fabricated from tough wear-resistant steel, giving guaranteed strength and reducing chance of breakage.

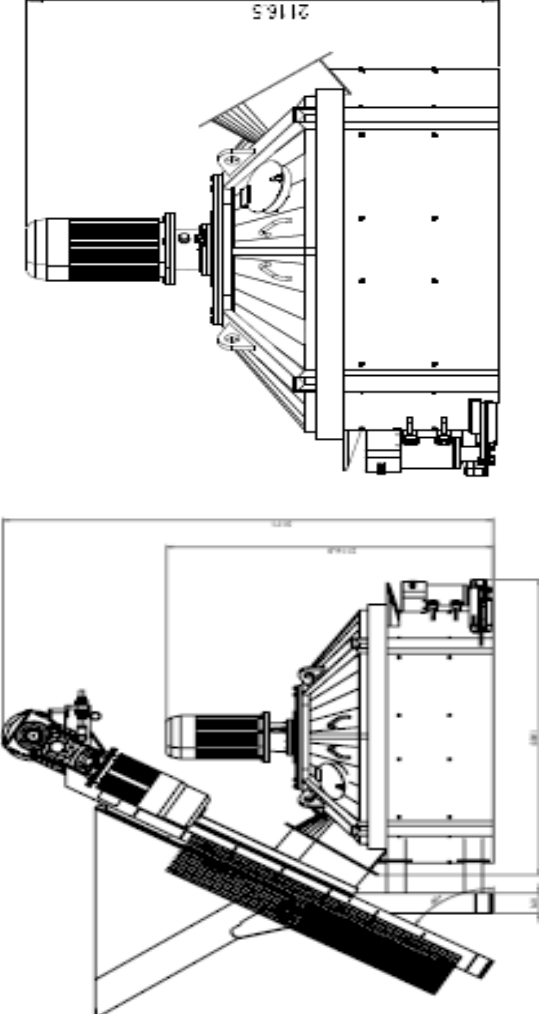
The standard liner is 18 mm wear-resistant Hardox 500 steel for floor plates and Hardox 400 for walls. Hardox is tough but not brittle, reducing chance of cracking and breakage. Other lining materials, including Hardox 600 and Chromium Carbide clad steel, are optional.

OCMIX SF

PLANETARY MIXER

The Ocmix SF concrete mixer is a leader in planetary mixer technology: its wide pan and multi-star mixing action gives fast and complete mixing with no dead zones. Large, fully sealing discharge doors and scooped paddles discharge even SCC with ease. Low sidewalls and wide opening covers make access easy and safe.

The planetary (or countercurrent) design has one to three mixing stars (depending on size) that rotate themselves while also rotating around a central point, allowing each arm to cover the whole mixer floor in a number of revolutions. This powerful mixing action is both fast and thorough, resulting in a mixing time, after water is added, of 30 seconds or less for most types of concrete. The result is greater throughput, giving you more concrete per hour for the same size plant, as well as better consistency and greater strength or, on the other hand, a saving on cement. The planetary design is the best for dry-cast concrete and for wet-cast and SCC is preferable to the twin shaft design for smaller batch sizes. The reason for this is its intense, compulsory mixing action and complete discharge.



APPLICATIONS:
 Precast concrete
 Prestressed concrete
 Block, Brick, Pavers
 Dry concrete products
 Shotcrete
 Refractory products
 Cementitious product
 blending
 Glass

TECHNICAL DATA ENGLISH / METRIC:

OCMIX:	SF 600	SF 1200	SF 2200	SF 2400	SF 2850	SF 3400	SF 4000	SF 8000	SF 9000	SF10000
Dry filling capacity, cu. yd. / cu.m.	0.5/0.37	0.65/ 0.5	1 / 0.75	1.5/1.13	2 / 1.5	2.4/1.9	3 / 2.25	4 / 3.0	5/3.75	6/4.50
Yield, uncompacted concrete, cu. yd. / cu.m.	0.4 / 0.3	0.5/0.4	0.8 / 0.6	1.2/0.9	1.6 / 1.2	2 / 1.5	2.3 / 1.8	3.1 / 2.4	4 / 3.0	4.7/3.6
Yield, compacted concrete, cu. yd. / cu.m.	0.3 / 0.25	0.43/0.33	0.65/0.5	1 / 0.75	1.3 / 1	1.6/1.3	2 / 1.5	2.6 / 2.0	3.3 / 2.5	4 / 3.0
Compacted output per hr (based on 120 second cycle) cu. yd. / cu.m.	10 / 7.5	13 / 10	20 / 15	30 / 22	39 / 30	48 / 38	60 / 45	78 / 60	100 / 75	120 / 90
Mixing motor, HP / KW			30/22	40/30	60/45	75/55	100/75	120/90	145/110	175/132
Skip motor KW			15/12	15/12	25/18.5	25/18.5	25/18.5	30/22	45/37	45/37
Hydraulic power pack motor, HP / KW			5.5 / 4	5.5 / 4	5.5 / 4	5.5 / 4	5.5 / 4	7.5 / 5.5	7.5 / 5.5	7.5 / 5.5
Number of mixing arms	3	3	3	3	3+3	3+3	3+3	2+2+2	3+3+3	3+3+3

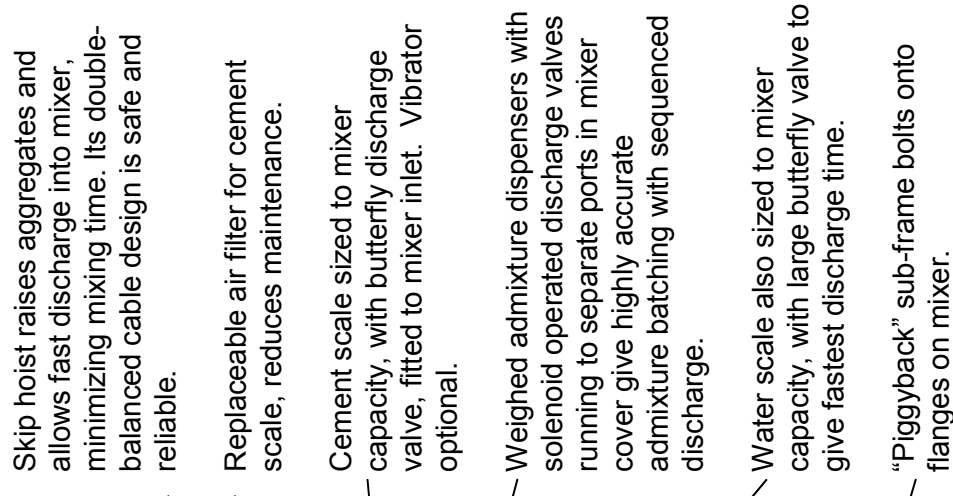
Experience and innovation

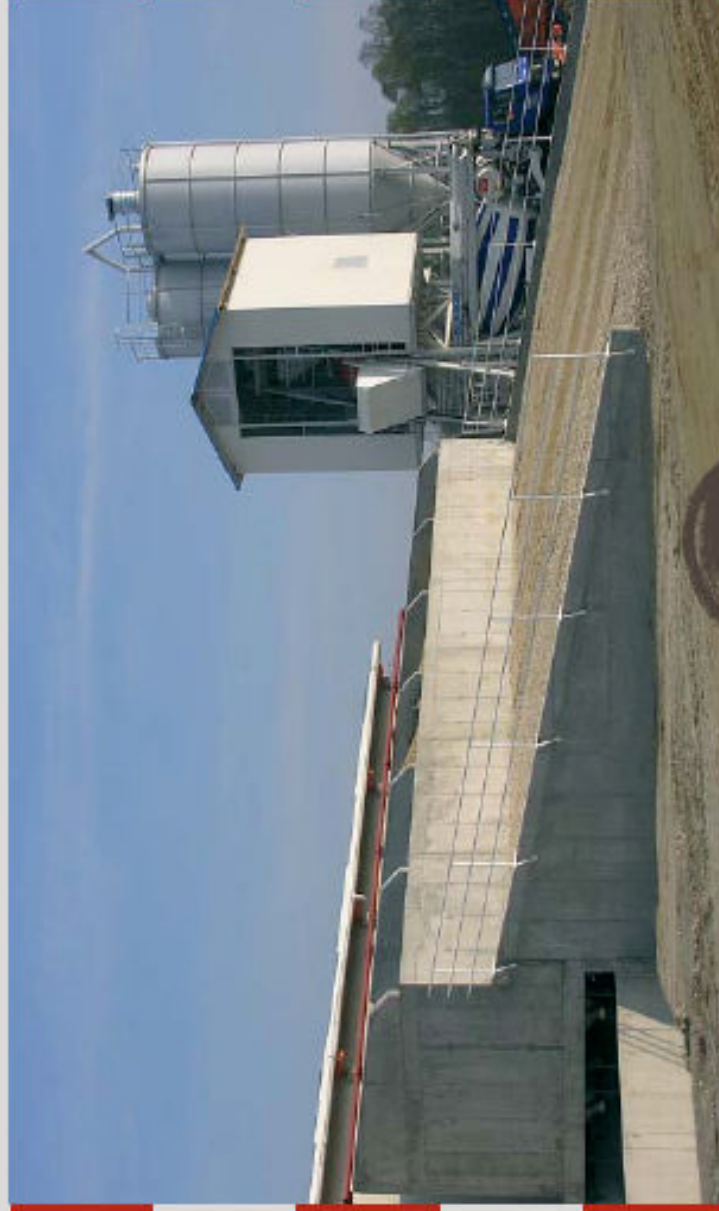
THE PROFESSIONALLY DESIGNED, NO-RISK PLANT

Ocmix SF is the basis of a truly innovative system. Take a top performing mixer and add all the critical components of the batch plant, leaving only the aggregate scale to be built separately. Skip hoist, cement scale, water scale, admix dispensers, air bag dust container and discharge cones; all these items are available, together or separately, designed to fit the mixer exactly. Their parameters are matched to the mixer, ensuring that everything works perfectly together to produce the best concrete, in the fastest time possible, with no weak points or compromises.

- No risk – everything guaranteed to work together.
- Fastest erection time; everything guaranteed to fit.
- No extra welding, drilling or fitting.
- Pre-plumbed and pre-wired.
- Hot galvanized heavy duty construction for many years of duty.
- All parts are replaceable.
- Access covers give unimpeded access; safety is not compromised by the extra equipment

OCMIX SF PLANT FEATURES & BENEFITS

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- Skip hoist raises aggregates and allows fast discharge into mixer, minimizing mixing time. Its double-balanced cable design is safe and reliable.
 - Replaceable air filter for cement scale, reduces maintenance.
 - Cement scale sized to mixer capacity, with butterfly discharge valve, fitted to mixer inlet. Vibrator optional.
 - Weighed admixture dispensers with solenoid operated discharge valves running to separate ports in mixer cover give highly accurate admixture batching with sequenced discharge.
 - Water scale also sized to mixer capacity, with large butterfly valve to give fastest discharge time.
 - “Piggyback” sub-frame bolts onto flanges on mixer.



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