CONCRETE BATCHING PLANT

TECHNICAL SPECIFICATIONS

BATCHING PLANT	UNIT	SD CP20	SD CP30	SD IL30	SD CP45	SD IL45	SD IL60	SD IL75	SD IL90	SD IL120
Capacity	m³/h	20	30	30	45	45	60	75	90	120
MIXER SPECIFICATIONS										
Mixer		Pan Mixer	Pan Mixer	Pan / Twin	Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft	Twin Shaft
Mixer Capacity	m³	0.35	0.5	0.5	0.75	0.75	1	1.25	2	3
Input / Output Capacity	Lit.	350	500	500	750	750	1000	1250	2000	3000
Motor Power	kW	15	22	22 / 9.3 x 2	11 x 2	11 x 2	18.5 x 2	45 / 22 x 2	37 x 2	55 x 2
AGGREGATE BINS										
No. of Compartments	Nos.	4	4	4	4	4	4/5	4/5	4/5/6	4/5/6
Total Storage Capacity	m³	14	20	30	30	45	60	75	80	90
WEIGHTING SYSTEM	Electronic weighting system for all batching plants									
Aggregate	kg	960	1400	1400	2000	2000	2500	3150	5000	7560
Cement	kg	200	350	350	525	525	700	700	1200	1800
Water	Lit.	100	180	180	215	215	250	300	300	900
Admixture	Lit.	6	6	6	9	9	12	12	15	20
CEMENT SCREW CONVEYOR										
Diameter	mm	168	168	168	219	219	219	219	273	273
Connected Power	HP	5.5	7.5	7.5	9.2	9.2	9.2	9.2	15	15
AIR COMPRESSOR	2 Stage, 2 Cylinder Reciprocating									
Connected Power	HP	3	3	3	5	5	7.5	7.5	10	12.5
CONTROL PANEL	Fully Automatic Control Panel									
System		HMI	HMI	HMI	HMI	HMI	SCADA	SCADA	SCADA	SCADA
TOTAL CONNECTED LOAD	kW	40	50	55	55	60	90	100	155	210
Suggested DG Set	kVA	62.5	75	82.5	82.5	100	140	160	250	320

OUR PRODUCTS :


INLINE BATCHING PLANT


COMPACT BATCHING PLANT


SENSOR CONCRETE PAVER


TEXTURING & CURING MACHINE


CANAL PAVER


ROAD PAVER


FULL SECTION PAVER


SCREED PAVER

SANA DIAMOND ENGI-MECH LLP

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Mfg. Unit : Survey No. 775, Rangpurda, B/H. 66 KVA Substation, Nr. Saurashtra Branch Canal, Kadi-Thol Road, Ta-Kadi, Dist. Mehsana, Gujarat - 382 715, INDIA.

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AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

Note : • We reserve rights to change technical details & design without any prior notice.
• Accessories shown in picture are not part of standard machine.
• For detailed offer refer quotation.

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CONCRETE BATCHING PLANT



FOR CONCRETE SOLUTION

INLINE BATCHING PLANT

CAPACITY :
30 m³/h, 45 m³/h, 60 m³/h, 75 m³/h, 90 m³/h, 120 m³/h



SALIENT FEATURES

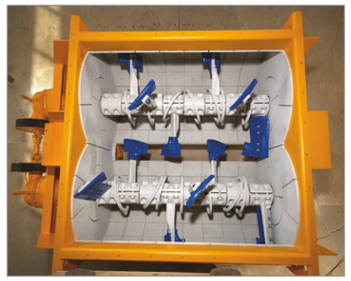
- Robust structure supported with inline bins.
- Larger mixture platform for ease of maintenance.
- Specially designed for increased productivity.
- Mixer loading by belt arrangement or skip hoist (optional).
- PLC based automated controls with real time SCADA.
- Higher accuracy because of higher capacity of load cells.
- Intelligent controls with compact design.
- Aggregate conveying through transfer belt conveyor.
- Separate weighing for aggregate, cement, water and admixture.

OPTIONAL

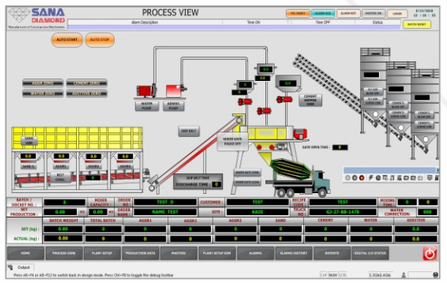
- Control cabin
- Cement / Fly ash silo
- Silo accessories
- Chilling plant
- Screw conveyor for fly ash
- Inventory management system
- Admixture weighing system



Inline Bins



Twin-shaft Mixture



SCADA System

COMPACT BATCHING PLANT

CAPACITY :
20 m³/h, 30 m³/h, 45 m³/h



SALIENT FEATURES

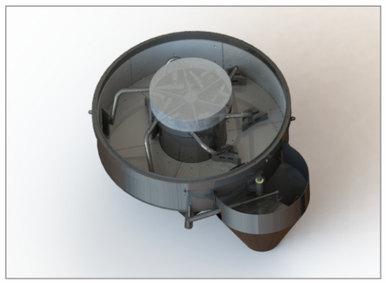
- Compact size for easy installation in compact area.
- Minimal foundation.
- Rapid and easy relocation.
- Accurate in mix quality like inline batching plant.
- Easy maintenance and low operational cost.
- Easy loading of transit mixer directly.
- High production performance with optimum area.

OPTIONAL

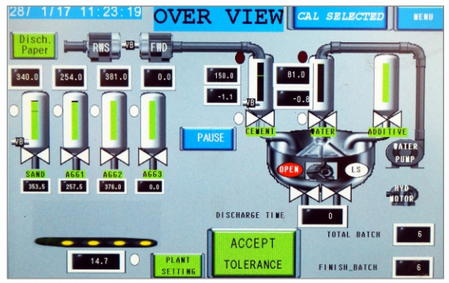
- Control cabin
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Chevron Belt



Pan Mixture



HMI System