



MANUFACTURING OF **CONSTRUCTION EQUIPMENTS**

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COMPANY INTRODUCTION

At Patel Infra Technology, we have established ourselves as a leading force in the fiercely competitive construction industry. Based in the vibrant city of Mehsana, Gujarat, India, our state-of-the-art facility is dedicated to processing a unique variety of construction products. Among our offerings are the Compact Concrete Batching Plant, Industrial Cement Silo, Mobile Concrete Batching Plant, Stationary Concrete Batching Plant, and an array of other high-quality goods.

At the heart of our success lies our team of dedicated specialists, who meticulously oversee every stage of product development. Their expertise ensures that only the finest construction products bear our name. To meet the ever-growing market demands, we maintain a continuous manufacturing line, ensuring timely delivery to our valued customers.

Our commitment to excellence extends beyond product quality, as we strive to offer our top-notch construction products at fair and genuine prices. At Patel Infra Technology, we take pride in meeting and exceeding our customers' expectations, building lasting partnerships, and contributing to the growth and success of the construction industry.

MISSION

At Patel Infra Technology, our mission is to be the epitome of excellence in the construction industry. We are dedicated to providing innovative and top-quality construction products that exceed our customers' expectations. Through our well-organized facility and a team of highly skilled specialists, we strive to maintain a continuous manufacturing line to meet the escalating market needs. Our unwavering commitment to customer satisfaction, ethical business practices, and sustainable development drives us to be the preferred choice for construction solutions in the region and beyond.

VISION

Our vision at Patel Infra Technology is to be a global leader in the construction sector, known for our cutting-edge products and unmatched customer service. We envision pushing the boundaries of technology and design to create construction solutions that contribute to the advancement of infrastructure development worldwide. With a focus on continuous improvement and embracing innovation, we aspire to redefine industry standards and set new benchmarks for quality, reliability, and efficiency. Through responsible business practices and environmental stewardship, we aim to leave a positive impact on the communities we serve and be a driving force for progress in the construction industry.

QUALITY POLICY

At Patel Infra Technology, our commitment is to deliver high-quality construction products that meet or exceed our customers' expectations. We achieve this through continuous improvement, strict quality control, skilled workforce, innovation, and adherence to regulations. Environmental sustainability and customer feedback are integral to our approach, making us a trusted partner in our customers' success.

COMPACT PLANT FOR RMC & PROJECT BASED APPLICATION

Concrete Batching Plant : PICP90/PICP75/PICP60/PICP45/PICP30/PICP20



A compact concrete batching plant is a specialized type of concrete plant that is designed to be more space-efficient and portable compared to traditional batching plants. It is an excellent solution for small to medium construction projects or for locations with limited space.

- Built in single frame structure
- Require less space
- Cost effective
- High accuracy weighing system
- Optimum mixing performance
- Low maintenance cost

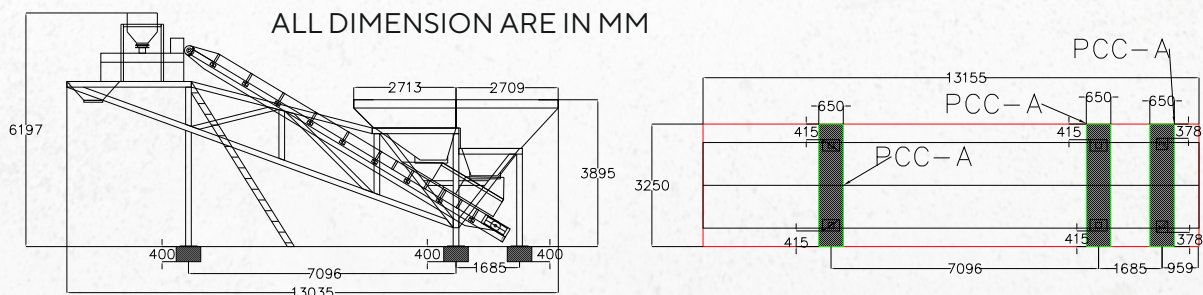




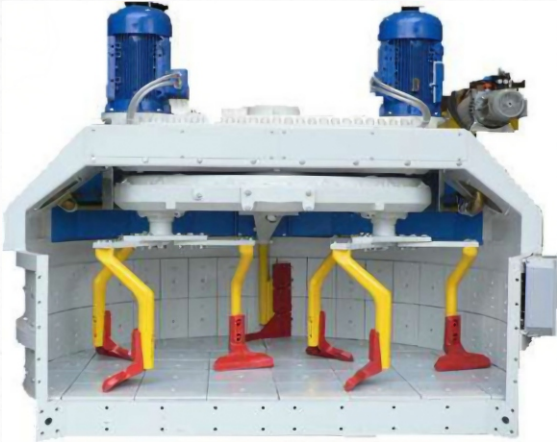
Compact Concrete Batching Plant is a fully automatic, compact Concrete Batching Plant with gravel & sand hoppers on single chassis with two by four bin. The plant comprises of adequate capacity gravel & sand hoppers, weighing conveyor suspended on electronic load cells, Pan Mixer unit, cement bin with screw conveyor, Rubber belt type charging conveyor, PLC based control panel.

Technical Specification :-

Plant Model	PICP 90	PICP75	PICP 60	PICP 45	PICP 30	PICP 20
Plant Capacity	90 Cum/hr	75 Cum/hr	60 Cum/hr	45 Cum / hr	30 Cum / hr	20 Cum / hr
Mixer type & Capacity	Twin Shaft Mixer 3000/2000	Twin Shaft Mixer 2250/1500	Twin Shaft Mixer 1500/1000	Pan / Planetary mixer 1250/750	Pan / Planetary mixer 750/500	Pan/ Planetary Mixer 500/350
Mixer motor	2 x 50 HP	2 x 40 HP	2 x 25 HP	30 Hp	25 Hp	20 Hp
Aggregate Storage	15 x 4 = 60 CM Compartment type	12.5 x 4 = 50 CM Compartment type	10 x 4 = 40 CM Compartment type	5 x 4 = 20 CM compartment type	4 x 4 = 16 CM compartment type	4 x 3 = 12 CM Compartment type
Cement Storage	50 bag capacity	50 bag capacity	50 bag capacity	50 bag capacity	50 bag capacity	30 bag capacity
Cement Feeding system	273 dia x 10 mtr Screw Conveyor	273 dia x 10 mtr Screw Conveyor	219 dia x 10 mtr Screw conveyor	219 dia x 10 mtr Screw conveyor	168 dia x 10 mtr Screw conveyor	168 dia x 10 mtr Screw conveyor
Aggregate weighing system	1000 mm Chevron type conveyor belt	1000 mm Chevron type conveyor belt	1000 mm Chevron type conveyor belt	800 mm Chevron type conveyor belt	800 mm Chevron type conveyor belt	650 mm Chevron type conveyor belt
Aggregate Weighing Conveyor Motor	2 x 15 HP	2 x 12.5 HP	2 x 10 HP	12.5 HP	10 HP	7.5 HP
Cement weighing system	1500 kg cement hopper	1200 kg cement hopper	900 kg cement hopper	450 kg cement hopper	300 kg cement hopper	250 kg cement hopper
Water weighing system	600 kg water hopper	500 kg water hopper	400 kg water hopper	250 kg water hopper	200 kg water hopper	200 kg water hopper
Additive Weighing system	12 kg Acrylic container	12 kg Acrylic container	12 kg Acrylic container	6 kg Acrylic container	6 kg Acrylic container	6 kg Acrylic container
Control Panel	Automatic PLC based control panel	Automatic PLC based control panel	Automatic PLC based control panel	Automatic PLC based control panel	Automatic PLC based control panel	Automatic PLC based control panel
Air Compressor	5 HP	5 HP	3 HP	2 HP	2 HP	2 HP
Total Connected Power	160 hp	130 hp	90 hp	70 hp	60 hp	55 hp



ACCESSORIES



PLANETARY MIXER

A modern mixing technology which ensures a complete homogeneous concrete quality with shorter cycle times. The floor & full wall of the mixing cylinder are lined with special wear resistant & replaceable plates. Long service life & low operating cost. Emergency Manual discharge facility

PAN MIXER

Mixer unit constructed from heavy duty steel is having 10 mm thick wear resistant replaceable liner plate and spring loaded paddle mixer arms with replaceable blades. Hydraulically operated gate facilitates the discharge of concrete mix from bottom of Pan Mixer on to the transit mixer or concrete pump. The drive to the mixing arm is through planetary Gear Box coupled with motor



TWINSHAFT MIXER

Mixer consists of twin drums with two counter rotating rotors and specifically angled paddles. The rotors overlap in the center of the mixer and the paddles completely sweep the bottom and mix all the material at the same time. In zone b the materials have a main movement counter clockwise at the perimeter of the mixer.

STATIONARY CONCRETE BATCHING PLANT FOR DAM & ROAD APPLICATION



The stationary concrete batching plant is a fixed facility designed for producing high-quality concrete for dam and road construction projects. It consists of cement silos, aggregate storage bins, conveyors, and a central mixing unit. With its reliable automation and precise control systems, it efficiently produces consistent concrete mixes for large-scale construction requirements. Its stability and continuous operation make it an indispensable asset for ensuring durable and reliable infrastructure development.

Technical Specification :-

Plant Model	PIST30	PIST45	PIST 60	PIST 75	PIST 90	PIST120
Plant Capacity	30 Cum / hr	45 Cum / hr	60 Cum / hr	75 Cum / hr	90 Cum / hr	120 Cum / hr
Mixer type & Capacity	Pan mixer/Twin shaft Mixer 750/500	Pan mixer/Twin shaft Mixer 1125/750	Twin shaft Mixer 1500/1000	Twin shaft Mixer 1750/1250 OR 2250/1500	Twin shaft Mixer 3000/2000	Twin shaft Mixer 4500/3000
Mixer motor	25 HP	30 HP	2 x 25 HP	2 x 30 HP	2 x 50 HP	2 x 75 HP
Aggregate Storage	7.5 x 4 = 30 CM Inline bin type	7.5 x 4 = 30 CM Inline bin type	15 x 4 = 60 CM inline bin type	15 x 4 = 60 CM inline bin type	20x 4 = 80 CM inline bin type	20x 4 = 80 CM inline bin type
Cement Storage	50 bag capacity	50 bag capacity	50 bag capacity	50 bag capacity	50 bag capacity	50 bag capacity
Cement Feeding system	219 dia x 10 mtr Screw conveyor	219 dia x 10 mtr Screw conveyor	219 dia x 10 mtr Screw conveyor	219 dia x 10 mtr Screw conveyor	273 dia x 10 mtr Screw conveyor	273 dia x 10 mtr Screw conveyor
Aggregate weighing system	800 MM Plain conveyor belt	800 MM Plain conveyor belt	1000 MM Plain conveyor belt	1000 MM Plain conveyor belt	1000 MM Plain conveyor belt	1000 MM Plain conveyor belt
Gathering motor	10 HP	12.5 HP	15 HP	2 X 10 HP	2 X 12.5 HP	2 X 15 HP
Material Transfer conveyor	Chevron type conveyor belt	Chevron type conveyor belt	Chevron type conveyor belt	Chevron type conveyor belt	Chevron type conveyor belt	Chevron type conveyor belt
Charging Conveyor Motor	15 HP	2 x 10 HP	2 x 12.5 HP	2 X 15 HP	2 X 15 HP	2 X 20 HP
Cement weighing system	450 kg cement hopper	450 kg cement hopper	700 kg cement hopper	850 kg cement hopper	1000 kg cement hopper	1200 kg cement hopper
Water weighing system	250 kg water hopper	250 kg water hopper	300 kg water hopper	350 kg water hopper	450 kg water hopper	600 kg water hopper
Additive Weighing system	6 kg Acrylic container	6 kg Acrylic container	10 kg Acrylic container	10 kg Acrylic container	10 kg Acrylic container	10 kg Acrylic container
Control Panel	PLC based control panel	PLC based control panel	PLC SCADA based control panel	PLC SCADA based control panel	PLC SCADA based control panel	PLC SCADA based control panel
Air Compressor	2 HP	2 HP	3 HP	3 HP	5 HP	5 HP
Total Connected Power	70 HP	80 HP	110 HP	130 HP	185 HP	250 HP



MOBILE PLANT FOR RMC & PROJECT BASED APPLICATION

Concrete Batching Plant ECO 30/ ECO 20



- Built in Single Frame Structure
- Require Less Space
- High accuracy Weighing System
- Optimum Mixing Performance
- Low Maintenance Cost
- Portable

A Mobile Plant for RMC, also known as a Mobile Concrete Batching Plant, is a specialized construction equipment used in the production of ready-mix concrete. Unlike traditional stationary batching plants, a mobile plant is designed to be transported to various construction sites, providing flexibility and convenience for on-site concrete production.

The mobile plant consists of various components, including storage hoppers for aggregates like sand, gravel, and cement, water tanks, admixture storage, and a mixing unit. The batching plant can be easily set up and dismantled, allowing it to be moved from one location to another as needed. This mobility makes it ideal for infrastructure projects, remote construction sites, or temporary construction needs.

Plant Model	ECO 30	ECO 20
Plant Capacity	30 Cum / hr	20 Cum / hr
Mixer type & Capacity	Pan / Planetary mixer 750/500	Pan/ Planetary Mixer 500/350
Mixer motor	25 Hp	20 Hp
Aggregate Storage	4 x 4 = 16 CM compartment type	4 x 3 = 12 CM Compartment type
Cement Storage	50 bag capacity	30 bag capacity
Cement Feeding system	168 dia x 10 mtr Screw conveyor	168 dia x 10 mtr Screw conveyor
Material Transfer conveyor	Chevron type conveyor belt	Chevron type conveyor belt
Cement weighing system	300 kg cement hopper	250 kg cement hopper
Water weighing system	200 kg water hopper	200 kg water hopper
Additive Weighing system	6 kg Acrylic container	6 kg Acrylic container
Control Panel	Automatic PLC based control panel	Automatic PLC based control panel
Air Compressor	2 HP	2 HP
Total Connected Power	65 hp	60 hp

FEEDING CONVEYOR FOR CONCRETE BATCHING PLANT

Feeding Conveyor products include various types of aggregate feeding systems for batching plants of different design and manufacturers.

Quality and Standard bought out items like motors, gearboxes, rubber belts are important for hassle free operations of the products.

Pre-designed and bolted structures enable faster erections and dismantling of the systems. Choice of different inclinations and belt widths offers various models suitable from 20 m³ to 120 m³ capacity batching plants.



Rotating Chute Mounted Belt Conveyor for Compartment Plant 600 mm to 800 mm wide & 12000 mm to 19000 mm Long, Capacity – 100 to 200 TPH.

Swivel Chute mounted on Plant type Belt Conveyor for Compartment Plant 600 mm to 800 mm wide & 12000 mm to 19000 mm Long, Capacity – 100 to 200 TPH.



CEMENT SILO / FLYASH SILO



- Cement & Flyash storage system is widely used to store Loose Cement & Flyash . it is used in concrete batching plant , Flyash brick plant , AAC block plant & Hot mix plant. The structure of silo is made from MS steel plate material with having top man hole provision & bottom butterfly valve provision. Silo comes with inner & outer ladder which is used to clean or inspect the silo .
- We are providing cement & flyash storage silo from 50 ton capacity to 300 Ton capacity as per client requirement



SOLUTION FOR SILO FEEDING SYSTEM & SILO ACCESSORIES

Flyash/Cement Bulker Unloading System



Twin Lobe Compressor :

We offer pneumatic conveying systems for cement bulker unloading twin lobe high volume low pressure blower makes it easy to unload the bulkers within hour. Reduces the dependability on the availability of compressor mounted bulkers only. This modal comes with 40 hp & 50 hp motors depend on capacity.

Bag Feeding System :

We also offer vertical & Inclined screw feeding systems for cement bag feeding systems to silos. Compare to other pneumatic bag/bulk feeding systems the connected electrical load is 1/5 for same feeding rate. Most cheaper solutions in terms of tons / electrical power.



Silo Accessories



We Also Provide Silo Accessories which is necessary to use in silo like

1. Dust Collector	2. Screw Conveyor	3. Pressure Relief Valve
4. Butterfly Valve	5. Aeration & Vibrating Pad	6. Level Indicator

WET MIX PLANT



Model (Capacity)	WM -100 (100 to 120 t/h)	WM -150 (150 to 180 t/h)	WM -200 (200 to 220 t/h)
Fourbin Feeder			
No of Bins	4	4	4
Storage Capacity	32 tons	40 tons	54 tons
Hopper Size (L x W)	2750 mm x 2250 mm	3000 mm x 2250 mm	3250 mm x 2500 mm
Auxiliary Drive Motor	1.5 kW x4 Nos	1.5 kW x 4 Nos	1.5 kW x4 Nos
Auxiliary Conveyor Belt	450 mm x2.75 mtrs x 3 ply	450 mm x2.75 mtrs x 4 ply	450 mm x2.75 mtrs x 4 ply
Gathering Drive Motor	3.75 kW	3.75 kW	3.75 kW
Gathering Conveyor Sail	600 mm x 22.5 mtrs x 3 ply	600 mm x 24 mtrs x 3 ply	600 mm x 26 mtrs x 3 ply
Bin Vibrator (1 No.)	0.75 kW x 1400 rpm	0.75 kW x 1400 rpm	0.75 kW x 1400 rpm
Overall Dimension (Approx)	12.1 mtrs x 2.1 mtrs x 2.13 mtrs	13.13 mtrs x 2.38 mtrs x 2.45 mtrs	13.13 mtrs x 2.63 mtrs x 2.55 mtrs
Total Connected Load	10.50 kW	10.50 kW	10.50 kW
Vibrating Screen			
Drive Motor	0.37 kW x 750 rpm	0.37 kW x 750 rpm	0.37 kW x 750 rpm
Screening Area	1.1 m2	1.1 m2	1.1 m2
Wire Mash	90 mm x 90 mm	90 mm x 90 mm	90 mm x 90 mm
Slinger Conveyor			
Conveyor Drive Motor	3.75 kw	3.75 kw	3.75 kw
Conveyor Belt	500mm x 15.00 mtrs x 3 ply	600 mm x18.00 mtrs x 3 ply	600 mm x 18.00 mtrs x 3 ply
Pug Mill Unit			
Capacity	1.62 Cu.m	1.90 Cu.m	2.40 Cu.m
No. of Arms	38	44	52
Drive Motor	22.5 kW	30.0 kW	37.5 kW
Shipping Dimension (L x W x H)	4015 x 1900 x 3115 mm	4440 x 2145 x 3100 mm	4440 x 2145 x 3100 mm
Water Tank			
Capacity	10000 itr	12000 itr	15000 itr
Water Pump	1.5 kW	1.5 kW	1.5 kW
Loadout Conveyor Belt			
Conveyor Drive Motor	3.75 kW	5.62 kW	7.5 kW
Conveyor Belt	600 mm x 18 mtrs x 3 ply	600 mm x 28 mtrs x 3 ply	700 mm x 32 mtrs x 3 ply
Hydraulic Power Pack	2.25 kw	2.25 kw	3.75 kw
Silo Hopper Capacity	2 ton	10 ton	15 ton
Total Connected Load	44.62 kW	53.99 kW	64.87 kW
Recommended Capacity of Genset	82.5 kva	125 kva	125 kva
Open Land Requirement	38 mtr x 20 mtr	40 mtr x 20 mtr	40 mtr x 20 mtr

DRUM MIX PLANT



Model (Capacity)	DM - 45 (40 to 60 t/h)	DM - 50 (80 to 100 t/h)	DM - 60 (100 to 120 t/h)
Fourbin Feeder			
No. of Bins	4	4	4
Storage Capacity	32 tons	40 tons	54 tons
Auxiliary Drive Motor	1.5 kW x 4 Nos	1.5 kW x 4 Nos	1.5 kW x 4 Nos
Auxiliary Conveyor Belt	500 mm x 2.75 mtrs x 3 ply	500 mm x 2.75 mtrs x 3 ply	500 mm x 2.75 mtrs x 3 ply
Auxiliary Conveyor Gear Box	SMSR x 4 Nos	SMSR x 4 Nos	SMSR x 4 Nos
Gathering Drive Motor	3.75 kW	3.75 kW	3.75 kW
Gathering Gear Box	SMSR	SMSR	SMSR
Gathering Conveyor Belt	500 mm x 22.5 mtrs x 3 ply	600 mm x 24 mtrs x 3 ply	600 mm x 26 mtrs x 3 ply
Bin Vibrator (1 No)	0.75 kW	0.75 kW	0.75 kW
Feeding Capacity	100 tph	150 tph	200 tph
Overall Dimension (Approx)	12.10 mtrs x 2.10 mtrs x 2.32 mtrs	13.13 mtrs x 2.38 mtrs x 2.45 mtrs	13.13 mtrs x 2.63 mtrs x 2.55 mtrs
Total Connected Load	10.50 kW	10.50 kW	10.50 kW
Vibrating Screen			
Drive Motor	0.37 kW x 750 RPM	0.37 kW x 750 RPM	0.37 kW x 750 RPM
Wire Mash	65 mm x 65 mm	65 mm x 65 mm	65 mm x 65 mm
Slinger Conveyor			
Conveyor Drive Motor	3.75 kW	3.75 kW	3.75 kW
Conveyor Drive Gear Box	SMSR	SMSR	SMSR
Conveyor Belt	600 mm x 15 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply
Drum Mix Plant Unit			
Drive Motor	15.00 kW	18.75 kW	30.00 kW
Drive Gear Box	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
Drive Chain Pitch	63.5 mm	78.1 mm	78.1 mm
Main Burner Connected Power	250 iph / 3.75 kW	350 iph / 35.62kW	770 iph / 11.25 kW
Exhauster Fan	800 mm	900 mm	1000 mm
Exhauster Drive Motor	15.00 kW	18.75 kW	30.00 kW
Multiclone Primary Dust Collector			
No. of Cones	15	20	21
Dust Screw Drive Motor	1.5 kW	1.5 kW	1.5 kW
Fuel Tank			
Capacity	2000 liters	2000 liters	3000 liters
Loadout Conveyor			
Conveyor Belt- HR Grade	500 mm x 15 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply	600 mm x 20 mtrs x 3 ply
Gob Hopper Capacity	1.0 ton	1.0 ton	1.5 ton
Hyd. Power Pack	2.25 kW	2.25 kW	2.25 kW
Bitumen Tank			
Capacity	15 tons	20 tons	25 tons
Bitumen Drive Motor	3.75 kW	3.75 kW	3.75 kW
Bitumen Gear Box	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
Bitumen Pump (Jacketed)	50.8 mm x 50.8 mm	50.8 mm x 50.8 mm	50.8 mm x 50.8 mm
Hot Oil Drive Motor	0.75 kW	0.75 kW	0.75 kW
Hot Oil Pump	19.05 mm x 19.05 mm	19.05 mm x 19.05 mm	19.05 mm x 19.05 mm

Secondary Pollution Control Unit (Optional)		Accessories	
CV Series Wet Dust Collector			
Type: Venturi	Bitumen Tank	Capacity	15 / 20 / 25 / 30 / 50 tons
Exhauster Power: 15/18.75/30 kW	Hot oil Heater	Heating type	Direct / Hot Oil Heating Type
Dust Emission: < 150 mg / Nm3	Hot mix Storage Silo	Type	Normal Pressure Horizontal Tubular boiler
Overall Dimension without Ducts:		Capacity	500 000 Kcal / hr.
4500mm(L) x 1800mm(W) x 2300mm(H)		Capacity	10 / 15 / 25 / 50 tons

MECHANICAL PAVER FINISHER WM 6 CEV STAGE IV



Engine Make	Kirloskar BS-IV Model 4R1190ta1 or Equivalent
Engine Output	110 HP at @2200 rpm
Battery	12 Volts (150 ah)
Tyres: Front 2 nos.-Solid Rubber	OD 22" X ID 16" X W 20 "
Tyres: Rear 2 nos.-Pneumatic	12 x 20-20 ply
Paving Thickness	10-200 mm
Paving Speed	1.25-23 meter/minute
Paving Width	2.5 to 4.5 meters (Hydraulically Extendable Screed)
Travel Speed	0-19 KMPH
Steering	Power Steering
Hopper Capacity	4 cubic meters
Fuel Tank Capacity	120 litres
Hydraulic Oil Tank Capacity	80 litres
Screed Heating	2 Nos. Oil Burners
Auger Diameter	300 mm
Screed Vibration	0-30 Hz
Crown	-1 to +3
Standard Accessories	Tool Box

WHY CHOOSE US?

Quality Of Products



Professional Team

Affordable Price



Satisfaction

24/7 Service



Supply Across the World

OUR PRODUCTS



Compact Concrete Batching Plant



Stationary Concrete Batching Plant



Mobile Concrete Batching Plant



Feeding Conveyor



Drum Mix Plant



Wet Mix Plant



Hydraulic Broomer



Truck Mounted Sprayer



Kerb Paver



Paver Finisher



Concrete bucket



Kerb Cutter

"BUILDING **FOUNDATIONS,**
DELIVERING **SUCCESS**"

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