



Our Values ("Quality Comes First")

We strive for excellence through continuous improvement.

Vision ("We Aim for the Top")

SDIL envisions improving manufacturing and fulfilling customer needs precisely. We support our customers and fulfill their needs to help them gain a competitive advantage in their respective markets. All while constantly educating SDIL employees to be up to date with present technologies and business mantras.

Mission ("Innovation in the Field of Engineering")

We provide exceptional fabrication services through custom designed, high quality products delivered punctually.

ASPHALT BATCH MIX PLANT



TECHNICAL SPECIFICATIONS

Plant Type	120	160	200
MAX output	120 t/h	160 t/h	200 t/h
Batch Size	1500kg	2000kg	2500kg
Cold feeders	4/5/6	4/5/6	4/5/6
Cold feeders: capacity and number	on customer request		
Type drying drum	(L=7.5 m/D=1.80 m)	(L=8.5 m/D=1.80 m)	(L=8.5 m/D=2.06 m)
Burner power output	7 MW	9 MW	13.4 MW
Hot elevator capacity	140 t/h	180 t/h	220 t/h
hot aggregate bin unit	4/5/6	4/5/6	4/5/6
hot aggregate bin capacity	15.4 t	22 t	26.5 t
Screen surface total area	4 sel.= 14.6 m ² /5 sel.= 17.6 m ²	4 sel.= 16.5 m ² /5 sel.= 20.8 m ²	5 sel.= 26.9 m ² /6 sel.= 32.1 m ²
Screening	5 (6 as an option) + 1 separate by-pass		
Hot aggregate bins	17.3 t	20 t or 52 t	20 t or 52 t
Aggregate Scale	1600 kg	2100 kg	2600 kg
Filler Scale	300 kg	300 kg	400 kg
Bitumen Scale	225 kg	225 kg	300 kg
Mixer capacity	1600 kg	2100 kg	2600 kg
Pollution control unit	Bag house filter - Reverse airflow		
Filter surface	413 m ²	525 m ²	663 m ²
Control panel type	fully computerized with manual over-ride		
Bitumen tank capacity	15 / 25 / 30 / 50 m ³ - Direct heating / Thermicoil heating		

Reclaimed Asphalt Pavement (30%)

➤ BIN FEEDER

- The RAP Bin Feeder has capacity of 8 cubic meter storage.
- Over-size mesh to ensure standardized aggregate filling. Bin Feeder comprises of two OLI make vibrators with one
- each on the screen deck and over-size mesh.
- The Bin Feeder design prevents buildup and maximizes aggregate flow.

➤ Slinger Conveyor

- Slinger Conveyor belt has corrugated edges to prevent spillage.
- Conveyor is powered by SEW/NORD make gears.

➤ Elevator

- Heavy Duty rubber belt for long lasting application.
- Elevator consists of gates on tops and bottom heads to ease the maintenance.
- Suitable maintenance platform.
- Powered by SEW/NORD brake type Gear.

➤ Weighing Belt Conveyor & Platform

- Weighing belt consists two 100kg load cells for controlled feeding.
- Powered by SEW/NORD make Gear.
- Platform is designed considering safety precautions.

➤ Discharge Chute

- Discharge chute has a OLI make Vibrator mounted to prevent any aggregate blockage.

➤ Buffer Silo

- Buffer Silo has capacity of 3.0 Tons.
- Includes high level indicator.
- Chute with pneumatically control feeding.
- Silo has OLI make Vibrator.

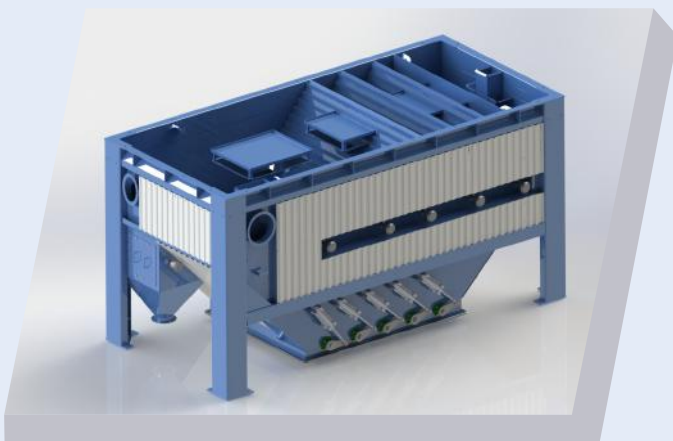
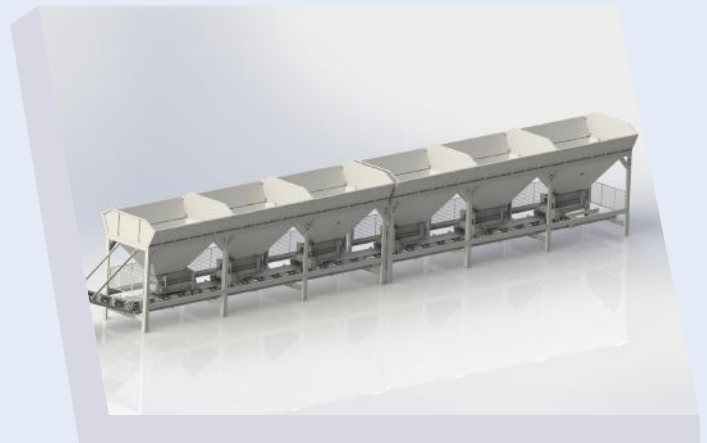


TURBO DRYER DRUM

- Charging conveyor rated at 180 tph to feed Dryer drum unit supplied with powerful four wheel drive mechanism and trunnion rollers & thrust wheels.
- Dryer drum with powerful drying flight arrangement rated at 180 tph @ < 3% moisture content. Friction drive on the dryer with a minimum 30 KW drive.
- Flights made in thick heat resistant steel for high performances.
- Temperature sensor for dryer outlet temperature control.

COLD AGGREGATES BIN FEEDER

- Fiver Cold Bin Feeders, 12 M3 capacity each VFD powered extracting conveyors for seamless control on the flow rates
- Extracting conveyor built with high quality rubber and supplied with lagged conveyor heads for positive drives
- Bin vibrator on sand bin to allow for easy flow of sand material
- Collecting belt to collect materials from the extracting conveyors



HOT AGGREGATES STORAGE BIN

- Hot aggregates storage bin for storage of five different size of aggregates with a storage capacity of 25 Tons. With special wear liners for long trouble free service.
- Complete set of level indicators for aggregates hot bins with controls and systems.
- High efficiency thermal jacketing around hot bins to prevent loss of heat and decrease fuel consumption, by using heavy duty insulation material.
- Material sampling bins to collect samples from hot aggregates bin while in production without stopping the plant.



VIBRATING SCREEN

- Screening unit complete with 5 size with high efficiency low maintenance and best in class results for top quality gradation, fully enclosed, with screen bypass option, easy mesh change solution, zero maintenance vibro devices, with enough space for maintenance.

BAG HOUSE FILTER

- Modular Bag filter unit – with dual filtering system, comprising of pre separator & bag filter unit. Integrated and designed with acid attack resistance and corrosion resistance cages.
- 100 % Nomex bag filters, processed and treated for optimum performance and dust filtration.
- Extra-large Bag house filter with dedicated filtering area for high efficiency and better performances specially designed for high moisture operations. Powerful exhaust fan.



HIGH EFFICIENCY MIXER UNIT – RAPID MIXER

- Specially designed and powered RAPID MIXER TECHNOLOGY 2000 kg batch capacity, with special arms and tip particularly profiled for high speed mixing and coating of aggregates to deliver perfectly blended mix quality.
- 80 Cycles per hour complete with paddles and arms built in high quality wear and corrosion resistant steel.
- Triple shaft zero maintenance Moto reducer drive system.
- Additional mixer size is provided to enable recycling in future.



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