

# Asphalt Batch Plant

Making World Class Technology  
Reach Indian Market



**One Stop  
Solution**

for your all Construction  
& Infrastructure Equipments

“ Our cardinal objective is to serve a wide array reliable and high quality machines of industries with low cost ”

## ABOUT US

CONINFRA MACHINERY PVT. LTO. (CMPL) is India's premier construction equipment Manufacturer and exporter based in Ahmedabad, Gujarat. Our company's commitment to Quality and capabilities for global competency is reflected in our wide array of road Construction products.

Where innovation and cutting-edge technology converge to deliver world-class Products. Our diverse range of products encompasses asphalt batch mix plants, Concrete batching Plants, bitumen sprayers, wet mix and hot mix plants, road Sweepers, and drum melting units.

But we're more than just a business - we're a family-owned and operated company driven by A strong philosophy passed down through two generations. Our focus is firmly on you, The customer, and your satisfaction. By thoroughly analyzing your needs and tailoring solutions Accordingly we go beyond mere equipment sales.

Standing by our commitment to forging lasting relationships, we prioritize your success Over A quick sale. With state-of-the-art manufacturing units and meticulous attention to detail, We ensure efficiency, impeccable finishing. and premium quality in every product. Rest assured That our qualified team of engineers meticulously tests each component guaranteeing reliable And consistent performance.

Speaking of quality, we proudly hold the iso 900:2015 certification, a testament to Our Unwavering dedication to excellence. From procurement to fabrication and assembly, Every stage is subjected to stringent quality checks, ensuring optimum results. Additionally, We supply parts and components for various road construction products, including asphalt Drum mix plants and wet mix plants. We certify that our products meet national and international Standards, with a growing presence worldwide and across all Indian states.

## OUR GOALS



To become a leading global manufacturer in the construction Machinery Sector



Continuous Product development and Innovation



Maintain and develop our Brand Leading Status in the Construction Machinery Market



Focus on the Highest quality



Prioritize our customer and employee Satisfaction



Women Empowerment



In 2006, Mr. Saumil Shah returned to India after completing his MBA in the USA and gaining international exposure. Fueled by a dream to contribute to the Country's growth, he aimed to build a world-class manufacturing facility. With over 14 years of experience in the road construction equipment industry, Ms. Saumil Shah Is one of the leading figures behind the success of Coninfra group.

Under his dynamic leadership, the company has experienced remarkable growth both Domestically and in the export market. By establishing joint ventures and technical Alliances, he has ensured that Coninfra remains at the forefront of the road construction Products supply and export industry in India.

However, Mr. Saumil Shah's vision extends beyond road construction. Recognizing the Need for innovation, he diversified into manufacturing high-quality concrete construction Equipment. His leadership is characterized by a bold and ambitious mindset, always Striving for excellence.

Mr. Saumil Shah's ultimate goal is to revolutionize the construction industry by introducing Top-notch products and expertise. His commitment to delivering comprehensive and Reliable solutions has made him, a respected leader in the field.

## OUR VISION

Our Vision is to stand as a premier firm in the infrastructure products sector, elevating our attained reputation nationally and internationally. Our commitment is to secure customer contentment while upholding our identity as a trustworthy, uncomplicated and accomplished company.

## ADVANTAGES

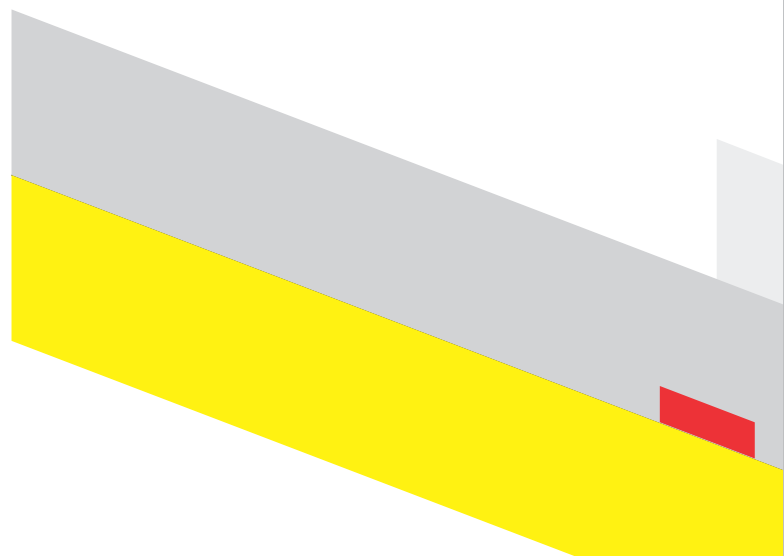
- High fuel efficiency and Lower carbon foot print
- European quality standards
- Extremely rapid erection and implementation times with options like steel foundation and plug socket cabling
- Efficient world class bag filter for stringent pollution norms



## FOUR BIN FEEDER FOR COLD AGGREGATES & INCLINED CONVEYOR BELT

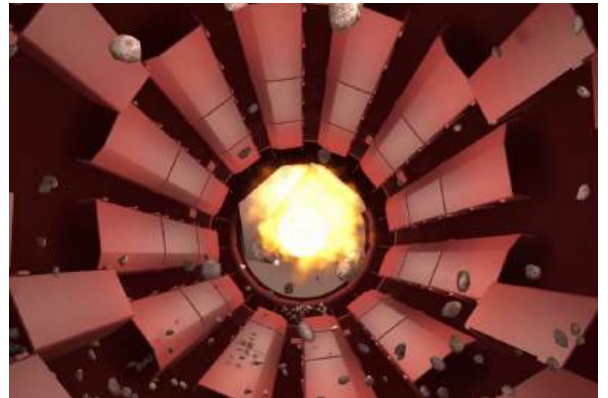


- Proven performance under harsh conditions.
- Frequency-Controlled sensitive dosing.
- Trouble-free flow.
- Vibrator for easy flow of fine material.
- Process can be controlled and followed from control cabin simultaneously
- Grid used to prevent passing of coarse material.
- Total proportional control for flexibility and accuracy.
- Warning system when material runs out or accident interruption.



## DRYING DRUM

- Made from special alloy materials to endure against heat and abrasion.
- Special drying flight design for uniform transfer of heat to all different sizes of aggregates.
- Geared Motor for trouble free operations
- Driven by 4 wheels pulley or chain sprocket.
- Hardening provides long life of ring and pulley materials.
- Maximum heat transfer and high efficiency are provided via special design of burner and inner parts of dryer.



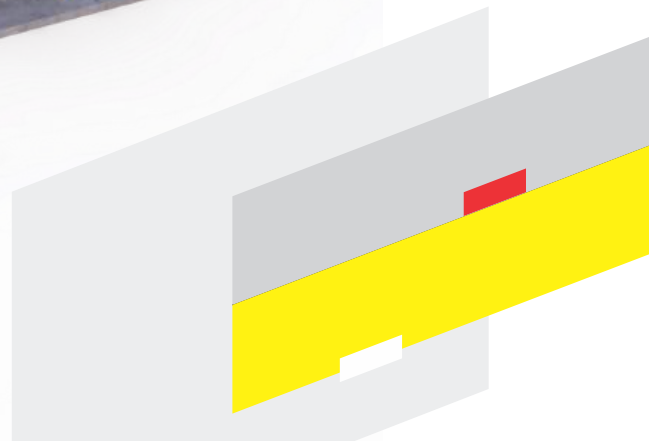
## BURNER

- All kind of fluids, natural gas and LPG can be used.
- Air/fuel ratio, flame length, suction etc. are controlled automatically.
- Complete combustion provides low NOX, CO emission, high efficiency and low fuel consumption
- Safe operation
- Mounting on Rails provided for easy maintenance and repair.

## STANDARD LAYOUT

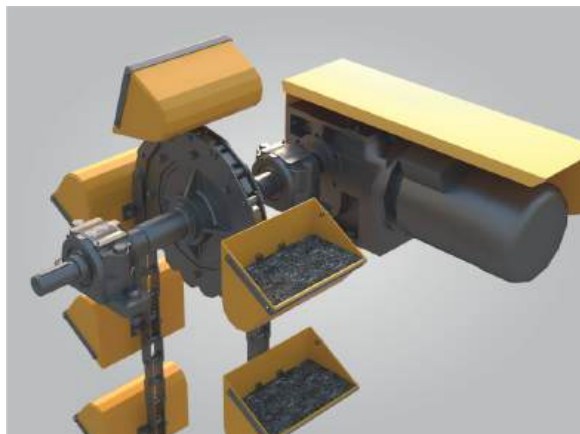
- 1 Cold Aggregate Bin Feeder
- 2 Collecting Belt
- 3 Inclined Belt
- 4 Drying Drum
- 5 Burner
- 6 Aggregate Elevator
- 7 Filler Elevator / Screw
- 8 Vibrating Screen
- 9 Hot Aggregate Bin
- 10 Weighing Units
- 11 Mixer
- 12 Stock Silo
- 13 Chimney
- 14 Filler Silo
- 15 Bag Filter
- 16 Control Cabin
- 17 Bitumen Tanks
- 18 Fuel Tank
- 19 Thermic Fluid Heater





## HOT AGGREGATE ELEVATOR

- Weighted type tension system.
- Interlocking for reverse motion of chain and buckets.
- Special dust protection design of bearings
- Human sized easy maintenance clams.
- Large Maintenance platforms
- Wearing plates protects the buckets against abrasion
- Perfect design of bucket to provide homogenous heat transfer to all aggregates.
- Easy maintenance of bucket systems



## FILLER SILO

- Recovered filler silo in capacity ranging from 3 to 20 Tons
- Rotary Valve is designed for balanced discharging
- Close circuit working system
- Double silo system available for recovered filler and foreign filler material flows fitted separately to the weighing unit

## THERMIC FLUID HEATER

- 3,00,000 – 15,00,000 kcal/h capacities
- Can be used separately from control cabin
- Can be run or run out by automatic min-max temperature control time
- High-low pressure control
- Level gauge for thermal-oil. /voiced and lightened warning system
- Thermal circulation pump
- High Efficiency





## VIBRATING SCREEN

- Optional 4/5/6 horizontal decks
- Drive provided through dual vibrator motors
- Tension, Perfect inclination and homogeneous load distribution provide trouble-free output
- Perfect inner design that prevents the mixing of different sizes of materials
- Easy changeable sieves, useful doors and working platforms for easy maintenance.
- Screen bypass option available.

## HOT MATERIAL BIN & WEIGHING UNIT

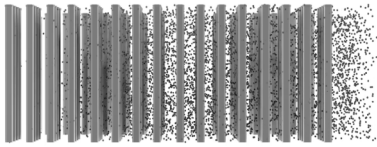
- 4 or more compartments depending upon Vibrating Screen
- Each compartment with level indicator
- Aggregate, filler and foreign fine materials are weighed separately.
- Weighing system with load-cells for bitumen



## MIXER

- Mixing Palettes made from high manganese cast material ensures long life
- Specially designed arms and tips ensure a very homogenous mix in a short mixing time
- Perfect asphalt with 25-30 sec mixing time.
- Gates with pneumatic control.
- Simultaneous working parallel double shafts.





- Nomex Filter Bags are durable to 200°C temperature. Fresh air system works at higher temperature than 200° C
- System works automatically and controlled from control cabin.
- Under 20Mg/M3 emission is suitable with respect to world standard.
- Compact, less Volume with bigger filtration area.
- Reusing of coarse material which are taken from re-separator and reusing fine materials which are taken from filter
- Long life Aluminium Cages
- Low operation cost & long life.



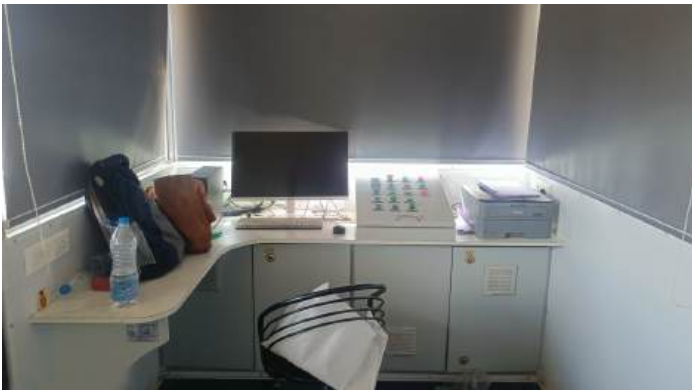
## STOCK SILO

- Low type or Tower type
- Perfect isolation for protection of heat transfer
- Pneumatic controlled discharging gates

## BITUMEN TANK

- Protection of heat for a long time, perfect isolation
- Jacketed piping
- Bitumen feeding system with pneumatic 3 way
- Thermal-oil coil system valve
- It can be connected each other by 3 way valves
- Heat control via by thermostatic valves
- Level indicators
- Jacketed bitumen pump





## CONTROL PANEL

Reporting according to the Machine parameters

- Distribution of aggregate (in hot bins)
- Distribution of complementary material (Filler, cement)
- Amount of bitumen
- Temperature Distribution
  - Temperature of aggregate
  - Temperature of Bitumen
  - Temperature of Chimney
  - Temperature of fuel-oil
- Failures & Alarm distribution
- Mixing time period
- Production capacity (Real Capacity) distribution
- Cold aggregate feeding distribution (required capacity)
- Production cost distribution
  - Fuel consumption
  - Electricity cost
  - Amount of bitumen

## TECHNICAL INFORMATION

| Plant Model                            | CMPL 80                                                                                          | CMPL 120     | CMPL 160     | CMPL 200     | CMPL 240     | CMPL 300      | CMPL 400      |
|----------------------------------------|--------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Plant capacity at 3 % moisture content | 80 TPH                                                                                           | 120 TPH      | 160 TPH      | 200 TPH      | 240 TPH      | 300 TPH       | 400 TPH       |
| Batch size (kg)                        | 1000                                                                                             | 1500         | 2000         | 2500         | 3000         | 4000          | 5000          |
| Cycle time                             | 45 sec                                                                                           | 45 sec       | 45 sec       | 45 sec       | 45 sec       | 45 sec        | 45 sec        |
| Units                                  |                                                                                                  |              |              |              |              |               |               |
| Bin Feeder Capacity (m <sup>3</sup> )  | 8,10,12,15,20 m <sup>3</sup> (Four / Five / Six Bins)<br>Dosing with frequency controlling (VFD) |              |              |              |              |               |               |
| Collecting Belt Width (mm)             | 500                                                                                              | 600          | 600          | 600          | 600          | 800           | 850           |
| Length (mm)                            | Varies according to the number of Silos/Bin feeder                                               |              |              |              |              |               |               |
| Inclined (Slinger) Belt Width (mm)     | 500                                                                                              | 600          | 600          | 650          | 850          | 850           | 850           |
| Dryer Drum (Dryer (LxD))               | 7 X 1.6 mtrs                                                                                     | 8 X 1.8 mtrs | 8.6 X 2 mtrs | 9 X 2.2 mtrs | 9 X 2.4 mtrs | 10 X 2.4 mtrs | 12 X 2.7 mtrs |
| Drive type                             | 4W Friction drive                                                                                |              |              |              |              |               |               |
| Burner Type                            | High pressure, fully automatic, modulating                                                       |              |              |              |              |               |               |
| Fuel                                   | Diesel / LDO / Furnace Oil                                                                       |              |              |              |              |               |               |
| Hot Elevator Capacity (TPH)            | 140                                                                                              | 140          | 180          | 220          | 260          | 320           | 430           |
| Sieving Machine                        | 4, 5, 6 Decks                                                                                    |              |              |              |              |               |               |
| Hot Aggregate Bin Capacity (Tons)      | 4,5,6 Divisions                                                                                  |              |              |              |              |               |               |
|                                        | 12                                                                                               | 20           | 20           | 25           | 25           | 30            | 30            |
| Aggregate Weighing Capacity (kg)       | 1250                                                                                             | 1500         | 2000         | 2500         | 3000         | 4000          | 5000          |
| Filler Hopper Capacity (kg)            | 150                                                                                              | 200          | 200          | 250          | 300          | 400           | 500           |
| Bitumen Hopper Capacity (kg)           | 150                                                                                              | 150          | 225          | 225          | 300          | 300           | 300           |
| Mixer unit type                        | Specially Designed Twin-shaft Mixer                                                              |              |              |              |              |               |               |
| Pollution Control Unit                 |                                                                                                  |              |              |              |              |               |               |
| Primary type                           | Pre Separator / Centrifugal Cyclone                                                              |              |              |              |              |               |               |
| Secondary type                         | Bag House Filter                                                                                 |              |              |              |              |               |               |
| Bag House Filter                       | Reverse Airflow / Pulse Jet                                                                      |              |              |              |              |               |               |
| Control Panel Type                     | Fully computerized                                                                               |              |              |              |              |               |               |
| Bitumen tanks (Capacity range)         | 15 / 20/ 25 / 30 / 40 / 50 /60 m <sup>3</sup>                                                    |              |              |              |              |               |               |
| Heating System                         | Direct Heating / Thermic oil Heating                                                             |              |              |              |              |               |               |
| Thermic Oil Heater (Capacity)          | 300,000 / 500,000 / 600,000 / 750,000 / 1,000,000 kcal/hr                                        |              |              |              |              |               |               |
| Hot Mix Storage Silo (Capacity range)  | 12 - 200 m <sup>3</sup>                                                                          |              |              |              |              |               |               |

\*Coninfra Machinery Pvt. Ltd. follows a policy of continuous product up-gradation.

Therefore, specifications are subject to change without prior notice

## OUR CLIENT NETWORK



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