ALLTECH

~ Core Competency.

- Asphalt Batch Mix Plant (80-240 TPH)
- Counter Flow Drum Mix Plant (60-120 TPH)
- Bitumen Drum Decanter (2-8 TPH)
- Microsurfacing Machine
- Bitumen Bag Decanter (4-8 TPH)
- RDSO Steel Girders (Heavy Engineering)

ALLTECH INDUSTRIES INDIA PRIVATE LIMITED

Head Office and Factory:
At. Geratpur Patiya, Near Saffrony Resort, Mehsana-Ahmedabad Highway, At.& Po Ditasan, Dist. Mehsana 382710, Gujarat, India.

North India Operating Office (Delhi) :
Flat No.100, Pink Apt., Sec. 18B, Dwarka, New Delhi-110078, India

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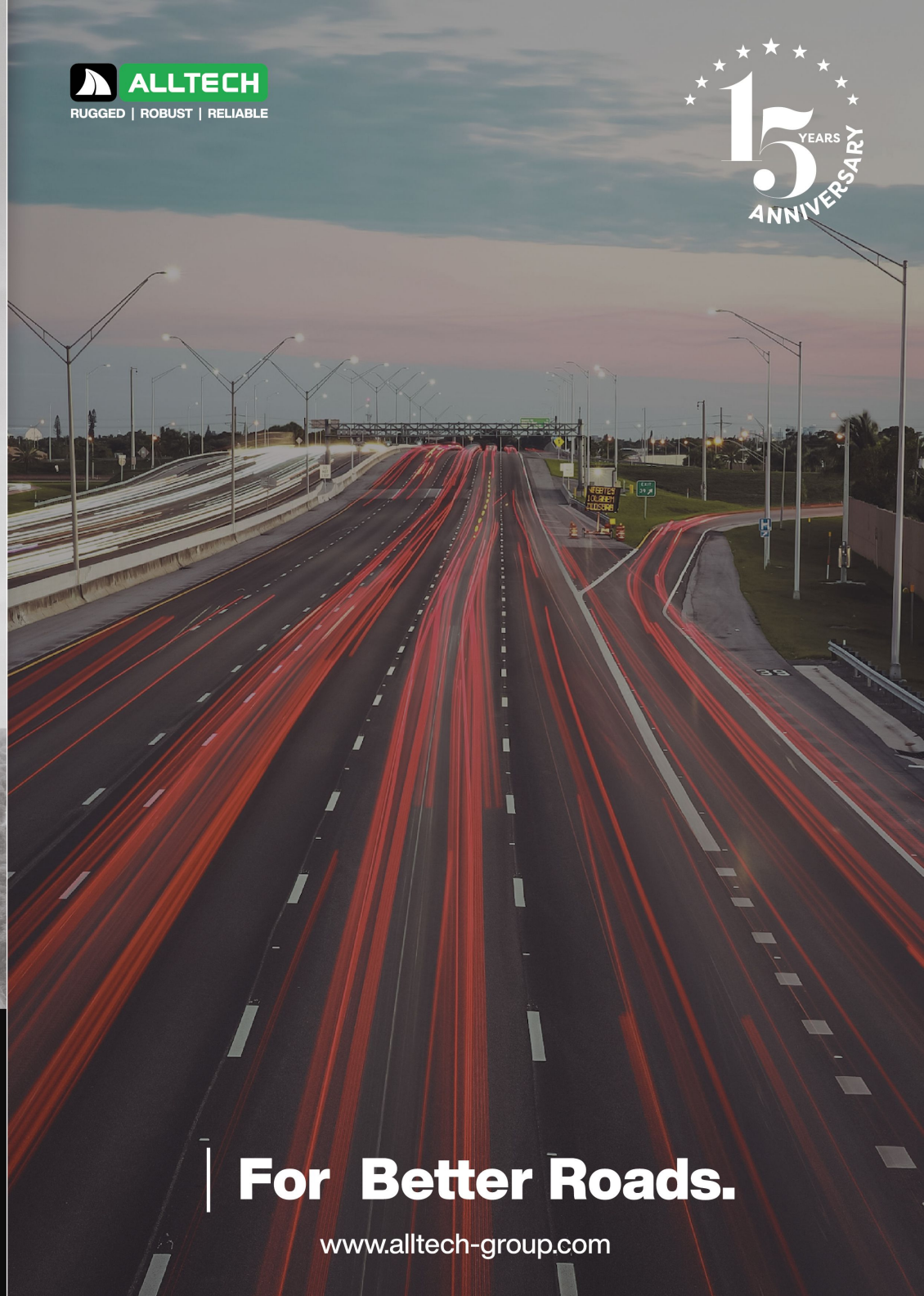
ALLTECH
RUGGED | ROBUST | RELIABLE

15 YEARS ANNIVERSARY



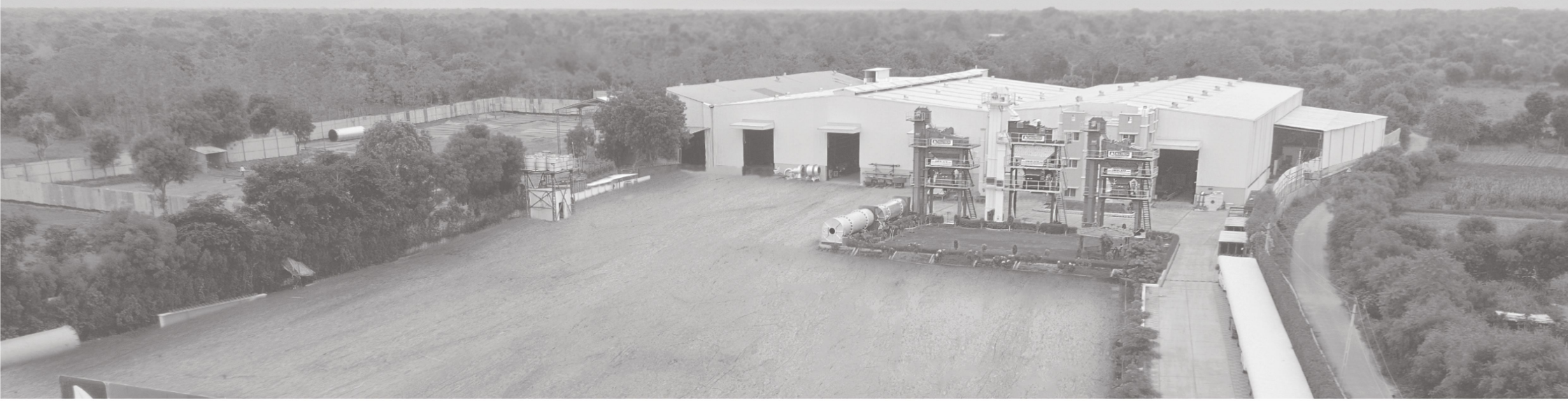
For Better Roads.

www.alltech-group.com

ALLTECH

ALLTECH

15 YEARS IN BUSINESS



About Alltech

Alltech Group established in 2007 and began its journey in Mehsana district of Gujarat, India which is a birthplace for the manufacturing of road construction equipment.

Alltech Group, with humble beginning of contract manufacturing for one of the leading European asphalt plant manufacturers, the current indigenous product portfolio has been developed to harness the available market opportunities.

We have inherited strength of technologically advanced and potential product manufacturing for road construction & maintenance in its region of operation.

We are a life long partner with Quality, with Loyalty and with a Passion. Innovation for our Customers that delivers beyond what is normally possible.

Our Values

What we believe and how we run our business.

- Customer-first mind-set
- Quality and attention to detail
- Innovative and creative
- Proactive about problem-solving

We're on Mission.

Nation building by providing & developing new products for road Construction & maintenance.

What We Want.

To be the most prominent trusted brand in india for road construction & maintenance machinery.

ALLTECH

What We Create,

In Turn, Creates Us.

Our Presence.

Our global portfolio of approximately **500+** Installations is composed of Asphalt Batch Mix Plants and Bitumen Drum Decanters evolving and developing Better Roads.

ALLTECH

Pleasure To Work With...

Reserved For You :)

We've Gone International.

LEBANON
ALGERIA
ABU DHABI
SHARJAH
NEPAL
BANGLADESH
MYANMAR
SAUDI AREBIA
INDIA
SENEGAL
ETHIOPIA
DJIBOUTI
WEST AFRICA
NIGERIA
SINGAPORE
INDONESIA
TANZANIA
ANGOLA
BRAZIL
ZIMBABVE
MELBOURNE
FIJI

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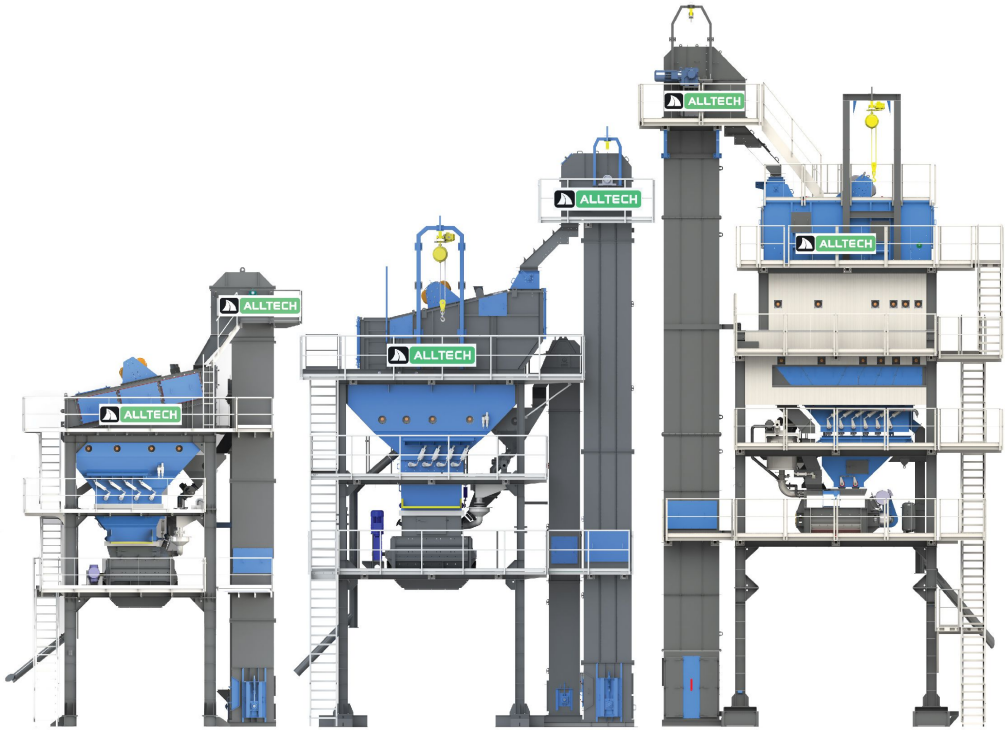
It’s All About Mixing.

Asphalt Batch Mix Plant

(80 - 240 TPH)



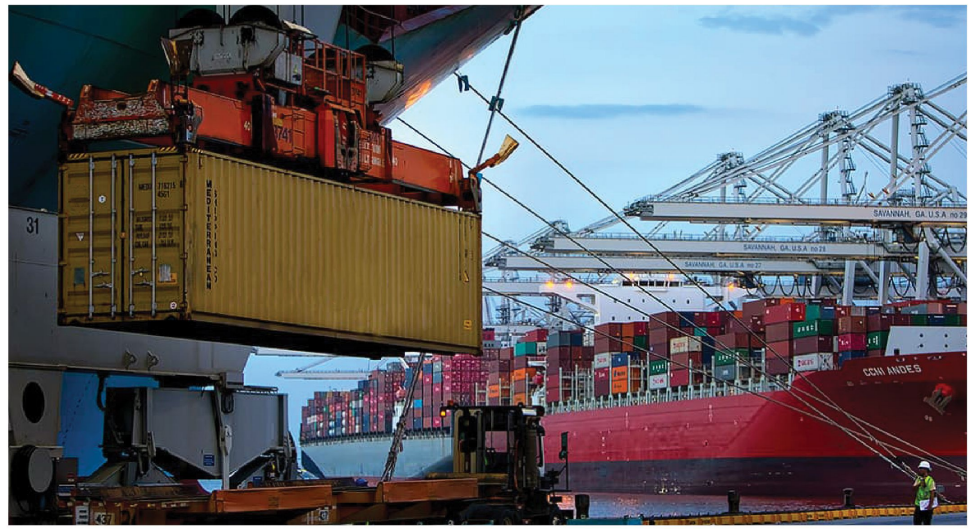
“Uniblack” plants guarantee optimum quality of the mixed materials and can be operated as stationary systems, but can also handle rapid location changes without problems.

When you don’t need to move often, but still want to reap the benefits of faster and more economical setup, the “Uniblack” is engineered as a set of modules that are transported by truck and bolted up at the site. Alltech tests each component before shipping it to your site to ensure a hassle-free setup. Plus, the “Uniblack” asphalt mixing plant has full-size control rooms, large silos, high production capacity, and excellent maintenance access.

In essence, the "Uniblack" asphalt mixing plant goes beyond being just a piece of machinery; it's a manifestation of cutting-edge innovation, operational versatility, and unwavering dedication to delivering the utmost in material quality and performance efficiency.

Containerised Design, Leading to Smart & Economical Logistics.

Simplified, Cost-Efficient Transport Worldwide.



The formidable UNIBLACK plants stand as a testament to unwavering quality assurance in mixed materials, offering an unparalleled guarantee of excellence. With the capability to function seamlessly as both stationary systems and adaptable units, these plants effortlessly accommodate rapid shifts in location, underscoring their remarkable versatility.

The transport-optimised container system allows easy and fast loading, transport, storage and unloading of goods. The transport-optimised shape and size allows transporting of goods using worldwide standardised and readily available transport means and therefore fast turnaround times.

Classic

Mobility With High Productivity.

Uniblack1000
Uniblack1250
Uniblack1500
Uniblack1750

Premium

Productive. Performing. Profitable.

Uniblack2000
Uniblack2250

Global

Strength. Quality. Endurance.

Uniblack2500
Uniblack3000

Classic Series (80 - 120 - 140 TPH)

Mobility With High Productivity.

Modular Design
Easy to Shift
Low Energy, High Performance

Proactive Service Support
Rated Capacity Output

Fuel Efficient
Just PCC Required

Premium Series (140 - 180 TPH)

Productive. Performing. Profitable.

Strong Plant Structure
Robust Design
Cost Effective

24 x 7 Service Support
On Site Efficient After Sales Support

Accumulative Weighing via Load Cells
Pneumatically Controlled Discharge Gates

Global Series (200 - 240 TPH)
Strength. Quality. Endurance.

Rugged Structure
Tailored For Retrofitting
Optimum Service Support

More Sustainable Brand
Reliable Performance

Easy Access to Any Part of Elevator
Ease to Integrate New Technology

Discover What's Possible.

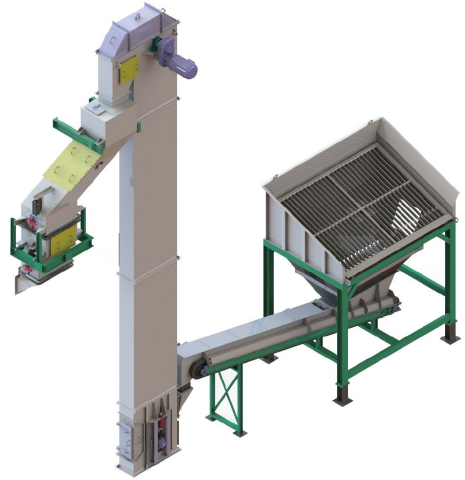
Asphalt Batch Mix Plant - Optional Tech.

Reclaimed Asphalt Cold Addition:

With the ALLTECH cold recycling fled systems, up to 30% reclaimed asphalt cold material can be added to the mixing plant.

Mixer Feed Dosing System.

- Up to 30%recycled material feeding
- RAC material is fed directly into the mixer via RAP elevator.
- RAP elevator is a space saving and maintenance free, alternative to the included conveyor.
- Easy to retrofit to existing asphalt plants from any manufacturer.
- RAP and aggregates dosed separately into pug mill.

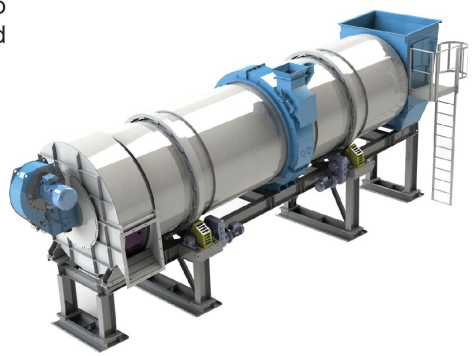


Reclaimed Asphalt Hot Addition:

With the ALLTECH hot recycling feed system, up to 25% Reclaimed asphalt cold material can be used from preparing hot mix via dryer RAP ring.

RAP Ring Dosing System.

- Up to 25% recycled material feeding possible.
- Solution for stationary plants.
- Easy to retrofit to existing asphalt plants from any manufacturer.
- Gentle heating of recycled material into dryer drum Can be combined with cold RAP system for more usage of recycled material as well as during plant operation.

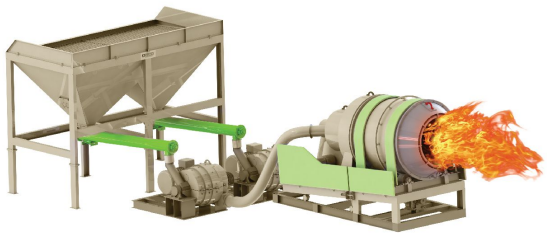


Fibre Dosing System:

Automated Feed

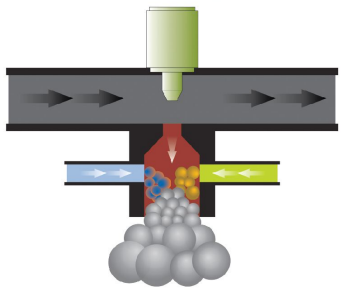
- **Solid:**
  - Power granulate rubber granulate cellulose hydratedlime fiber colour pigment.
  - Granulate dosing system powder granulate dosing system fiber dosing system multi-variable dosing system.
- **Liquid:**
  - Liquid additive seprating agent flux oil foam bitumen.
  - Liquide additive dosing system foam bitumen system dosing system of seprating agent / flux oil.

Coal Fire Burner:



ALLTECH Group designed and manufactured coal fire burner and coal pulverising plant that can cater the facility to dose coal to heat the material in the dryer drum. This well designed Coal fire burner and coal pulverising plant offers operators & customers and number of key.

Eco Foam System:



UNIFOAM SYSTEM allows mix to be prepared and placed at lower temperature than conventional asphalt mix. To achieve this, the viscosity of the liquid bitumen must remain low at the reduced temperature.

NCR, Delhi

Ahmednagar, Maharashtra

Kota, Rajasthan

Godhra, Gujarat

Mandsaur, M.P.

Navrangpur, Odisha

Meerut, UP.

Nigeria

Amravati, Maharashtra

Saudi Arabia

First Ever Indigenously Manufactured
Micro Surfacing Paver.

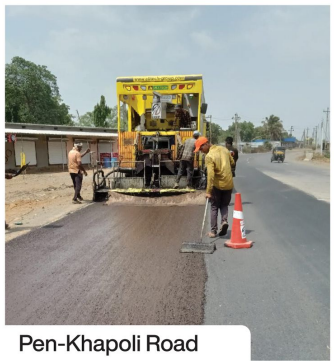
"UNISURFACE"

More Powerful... More Advantages...

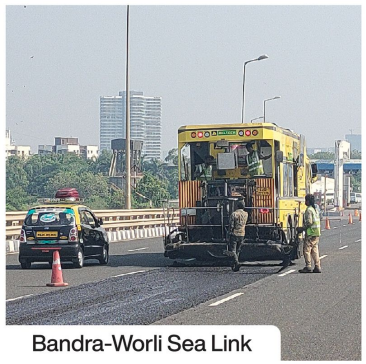
- Cost Efficient.
- Less Down Time.
- For Colored Roads.
- Protects the Underlying Structure.
- Less Material and Energy Consumption.
- Quick Application by Sealing the Surface.
- Extends the Service and Pavement Life of Road.
- Can be Applied on Structurally Sound Surfaces.
- Removes Minor Defects Such as Cracks and Dips.

ALLTECH

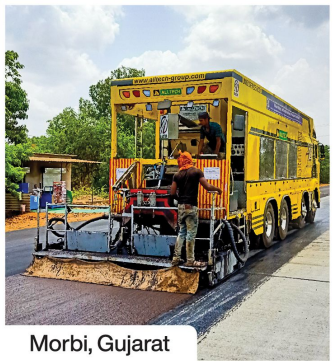
Converting Your Visions into Solid Reality.



Pen-Khapoli Road

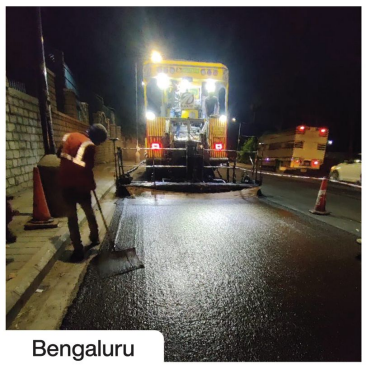


Bandra-Worli Sea Link

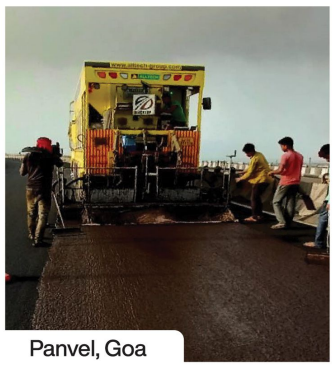


Morbi, Gujarat

Hyderabad



Bengaluru



Panvel, Goa

ALLTECH

Bitumen Decanter

Alltech is Pioneer company in India to launch first Decanting Equipment using Thermic energy. The Bitumen Decanters are of Drum and Bag Type. These Decanters are specially designed for Reheating and Melting the Bitumen. Alltech Decanters Models are available with Container and Stationery Type. Both available with Different output capacities. Alltech Decanters are designed homogenously integrate for Existing Asphalt plants. Decanters are available with Key features like Quality , Reliability, Productivity and user friendly module.

Bitumen Decanter (Drum Type) (2-8 TPH)

Stationary Bitumen Drum Decanter

Portable Bitumen Drum Decanter

Bitumen Decanter (BAG TYPE) (6TPH)

Storage Tanks (Optional)

ALLTECH

Pioneer & World Leader in Bitumen Decanting Solutions

400+ Installations WorldWide!

225+ India | **175+** Globally

- Capacity Available from 2 TPH to 15 TPH
- Available in Static and Mobile Version.

ALLTECH

Forget Your Old Conventional Technology Drum Mix Plant And Switch to

Our New Technology

Counter Flow Drum Mix Plant (60-120 TPH)

- Modular Design
- Pollution Free Plant
- Recycled Asphalt Can be Used
- Less Fuel Consumption
- Thermix Drum With RAP Collar
- Highly Efficient Reverse Airflow

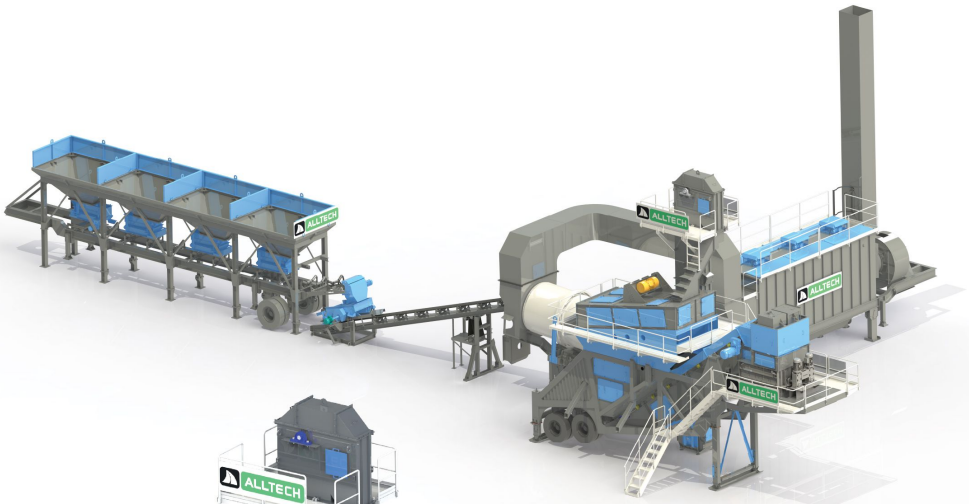
ALLTECH

“UNIROAD1500” (120 Tons/Hr.)

Asphalt Batch Mix - Mobile Plant

Higher Production Capacity in Less Mobilities.

Easily Transportable - Designed with total mobility in mind, each chassis can be easily transported from site-to-site and rapidly put back into operation.



Mobility Inspired by You.
Build For You.

- Modular Design
- Easy Set Up
- Mix Quality
- More Efficient

ALLTECH

Bitumen Emulsion Plant

Empowering Roads, Building Tomorrow.

The Alltech skid Bitumen Emulsion Plant designed and built in collaboration with Innovative Infratech produces a wide variety and consistent quality of Bitumen Emulsion. We use the Denimotech colloid mill with the best in the world technology.

Description of the Process

Water is first heated to desired temperature in the water heating tank and pumped to the soap solution tank. There the chemicals for emulsion production are individually dosed to make soap solution. Soap solution is pumped into the colloid mill along with the bitumen and solvent (optional) where the bitumen is broken up in micron size droplets and stable emulsion is produced.

Water Phase System

The Water Phase System consists of a polymeric tank with an agitator for the dissolving of the emulsifier, Acid and Calcium Chloride in hot water. Piping, fittings and valves are acid resistant.

Bitumen & Solvent System

The bitumen and the solvent is pumped using steel gear pumps with internal relief valves and VFD controlled AC-motors. The bitumen and the solvent flow is measured with the corriolis mass flow meter for bitumen and mass/volumetric flow meter for solvent. Temperature sensor in the bitumen line monitors the bitumen temperature for proper emulsification. Injection of solvent is into a static mixer in the bitumen line. The bitumen pump and line is heat jacketed and insulated.

Mill & Emulsion System

The Alltech Colloid mill made with special stainless steel clearly outperforms the AISI316L in both corrosion resistance and strength. The colloid mill has a rotor and stator system. The gap between the rotor and stator can be adjusted from outside the mill. Emulsion line is fitted with a valve for sampling, and a temperature sensor for monitoring the emulsion temperature.

COMPONENT	CAPACITY
Colloidal Mill: Denimotech	7-10 Mt/hr
Bitumen Pump	7 Mt/hr
Bitumen Mass Flowmeter	7 Mt/hr
Soap Solution pump	5 Mt/hr
Soap Solution Magnetic Flowmeter	5 Mt/ Hr
Solvent Pump	3 Mt/hr
Solvent Flowmeter	3 Mt/Hr
Control Panel with Computer PCS	1 PLC , 3VFD , MCB , Computer & Programme
Emulsion Skid	All components mounted on the Emulsion skid

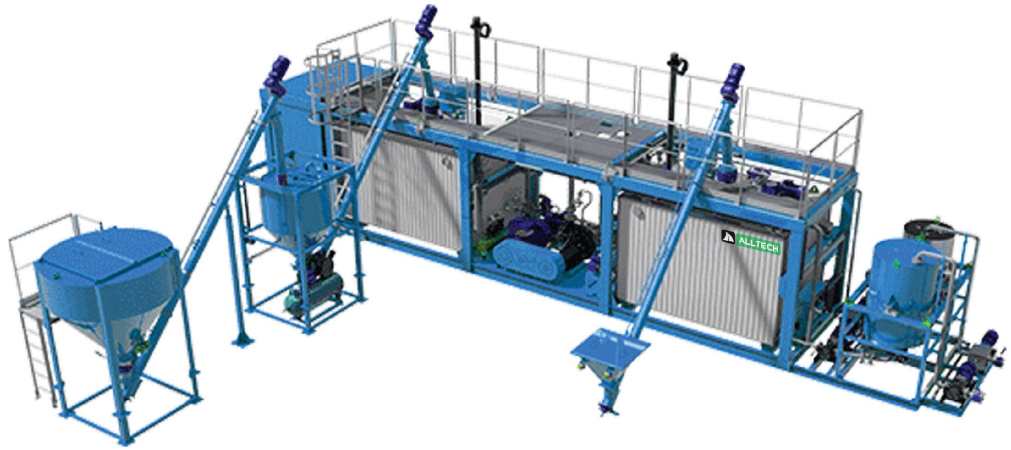
Optional Equipments**

- 35 Kw Thermic Fluid Heater for Heating the Bitumen Pipeline
- EHT for Bitumen Lines and Collidal Mill

Fully Computerised Process Control System

Simplify operations with our computer-controlled automatic process. One person can efficiently manage the entire production by setting up parameters on the user-friendly Windows-based software. Simply input the data, give the computer the command to start, and watch the process unfold. Easily define relevant parameters on the screen and save recipes in the library. Plus, with our Alltech remote support feature, our technicians can provide online assistance and diagnose any issues that may arise, ensuring seamless operation.

Crumb Rubber Modified Bitumen Plant



The Alltech skid mounted Crumb Rubber Modified Bitumen (CRMB) Plant designed and built in collaboration with Innovative Infratech is capable of producing a wide variety and consistent quality of the Crumb Rubber Modified Bitumen.

Description of the Process

The crumb rubber is loaded into a hopper and metered into a mixing tank using a feeder valve and screw conveyor. Bitumen is pumped to the tank and a heavy duty high shear mixer serves to properly distribute the crumb rubber in the bitumen, before dispatch to the homogenising mill and the final storage tank. Accurate material ratio is ensured by the calibrated screw feeder for the crumb rubber and the Coriolis mass flow meter for the bitumen.

All process operations are controlled from a PLC with a computerised process control system specially developed by Alltech.

CRMB Transfer Pump & The Homogenising Mill System

The CRMB mix is fed into the homogenising mill system through a heated pump specially designed for handling CRMB. The pump is controlled by a frequency inverter. The crumb rubber homogenisation mill further homogenized the CRMB. The gap adjustment between rotor and stator can be done manually, from outside.

Bitumen Feed Line

The Bitumen pump is a heat jacketed positive displacement pump, controlled by a frequency inverter. The pump has a built-in pressure relief valve.

The flow meter is a Coriolis mass flow meter for measuring the bitumen flow rate direct in mass (kg/h). The bitumen density being highly temperature dependent and also different supplies of bitumen may show different physical characteristics, the feed bitumen is measured in Kg through the mass flow meter to ensure accuracy of the formulation. The Corriolis mass flow meter ensures an accuracy of +/- 0.5% of reading independent of temperature and bitumen characteristics.The flow meter has no moving parts, resulting in maximum service life.

Pump and pipes are heat jacketed and insulated with mineral wool.

CRMB Initial Mixing Tank & Crumb Rubber Dosage System

The CRMB initial mixing tank is heated and insulated with mineral wool and fitted with a heavy duty mixing agitator A screw conveyor is run by a motor with frequency inverter. The specially designed industrial grade high shear mixer in the tank ensures proper and uniform dispersion of crumb rubber in bitumen.

PLC Based Process Control System

A PLC based process control system is integrated with the SCADA and the computer.The computer can be remotely accessed through a GSM modem. Since the PLC is entirely controlling the process, a very extensive remote support can be offered. Batch reports can be maintained in the computer.

COMPONENT	CAPACITY
Colloidal Mill: Denimotech	10 Mt/hr
Bitumen Pump	10 Mt/hr
Bitumen Mass Flowmeter	10 Mt/hr
CRMB pump	10 Mt/hr
CRMB Initial mixing tank	1Mt
Crumb Rubber feeder	1 No.
Control Panel with Computer PCS	1 PLC , 3VFD , MCB , Computer & Programme
Emulsion Skid	All components mounted on the Emulsion skid

Polymer Modified Bitumen

Reinventing Roads with Polymer Power.

Alltech PMB blending plants are designed and built in collaboration with Innovative Infratech to make wide varieties of PMB. Alltech technology allows for the production of PMB in one pass on most occasions.

Description of the Process

The polymer is loaded into a hopper and dosed into a small pre- mixing tank, using a screw conveyor. Bitumen is pumped to the tank, and the agitator serves to properly distribute the polymer in the bitumen. The bitumen polymer blend is then transferred to the high shear mill, where the size of the polymer is reduced before pumping to the conditioning tank.

Accurate material ratio is ensured by a VFD control on the polymer feed conveyor motor.All process operations are controlled with a computer based process control system (PCS).

Technical Specifications

- Control Panel
- Mill Sizes - 7 TPH
- All Pumps and Valving
- Level Control on Prewet Tank
- High-Shear Denimotech PMB Mill
- Soft Starts and Motor Disconnects
- Heat Traced and Insulated Hot Lines
- Screw Feeding of Polymer with Variable Speed
- Jacketed Asphalt Pump with Variable Speed Drive
- Compact Layout on a Skid with Stairs & Operator Platform

Plant Components

Bitumen Feed Line & Mass Flow Meter:

The bitumen feedline consists of a positive displacement gear pump , heated & insulated with mineral wool. Coriolis Mass Flow Meter is used for measuring the bitumen flow rate directly in mass (kg/hr).

PMB Pre Mixing Tank:

The premixing tank is heated and insulated with mineral wool. The tank is equipped with a high capacity mixer with blades specially designed for PMB. The premixing tank is equipped with a High-level shut-down and an overflow safety device.

PMB High Shear Mill:

Alltech uses the Denimotech high Shear Mill. Denimotech a pioneer in high performance and long lasting mills for polymer modification. The rotor and stator of the mill are made from hardened steel to ensure optimal resistance to wear from abrasive elements. The gap adjustment between rotor and stator is done manually, from the outside with a tool.

The mill has a built-in run-dry protection and has a temperature rating up to 250°C.

Polymer Dosage System:

The plant is equipped with a polymer hopper/ tank. A screw conveyor, run by a frequency inverter, is feeding the polymer to pre-mixing tank. The screw conveyor is designed to add polymer mass content from 2 to 8 % of the nominal plant output, which is maintained at all mixing ratios.

The overall capacity of the PMB plant depends on the polymer content.

Control System:

Alltech PMB plants are controlled by a PLC with a SCADA based computerized process control system (PCS) . The PLC can be remotely accessed through a GSM modem. Recipes are handled directly on the PLC through the PCS.

Alltech can also supply complete turnkey systems including ripening tanks, asphalt storage and finished product storage tanks.

Bitumen Storage Solutions

Bitumen storage solutions play a crucial role in the efficient & safe handling of bitumen, a key component in road construction and maintenance. There are two main types of bitumen storage solutions: thermally heated and electrically heated.

1 Thermally Heated Bitumen Storage Solutions

1.1 Cylindrical

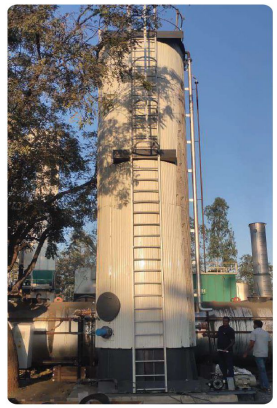
- High level of flexibility: 20 / 30 /50 m^3 bitumen tanks (useful dimension)
- Energy-efficient: 50 mm or 60 mm insulation (mineral wool, 80 kg/m^3)
- Storing mixtures (PMB & CRMB): with agitator or mixing nozzle

1.2 Cuboidal

- Container Sized, allows easy and Cost-effective Transportation
- Temperature monitoring, product and periphery protection
- Fill level monitoring (pressure measurement probe)

2 Electrically Heated Bitumen Storage Solutions

- Low operating and maintenance costs
- Low energy consumption
- No additional equipment required upon purchase
- Centrally from the control container (control unit) and decentralized on the tank
- Complete control of the bitumen tank system (filling, circulation, transfer, mixing, draining)



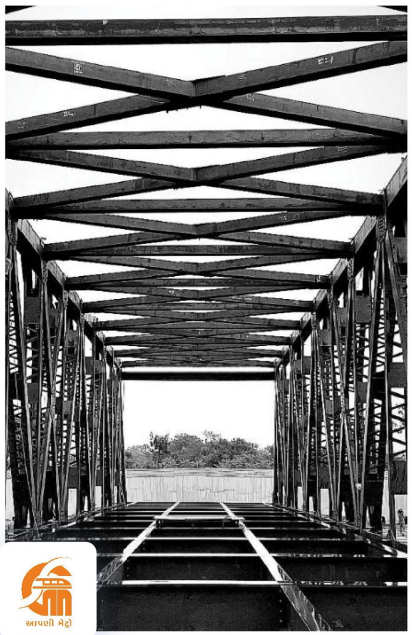
Take a Smart Move for a
Sustainable Future.

RDSO Approved Steel Girder (Heavy Engineering)

An Authorised RDSO Vendor (Government of India - Ministry of Railways) for Manufacturing Steel Bridge Girder (Open Web, Bow String, Composite & Other Steel Plate Girders) .

Privileged to Work for Projects
— Under Ministry of Railways

- Successfully Completed Railway Bridge Girder Work for Dedicated Freight Corridor Corporation of India.
- Successfully Completed Project for Metro Rail (GMRCL).
- Successfully Completed FOB Manufacturer Project for Bombay Bullet Train Project (NHSRCL).



What We've Archived

1st
World Leader in Packed Bitumen Decanting Solution

1st
Indian Company to Launch Microsurfacing Paver

500+
Hightech Machinery Working in the Field

22+
Countries are using Alltech Make Machinery

41%
of Our Customers Are Repeat and Choose Alltech as Their Trusted Brand

60k
sq. m. Production Area at Mehsana-Ahmedabad Highway 60 km to Sardar Vallabhbhai Patel International Airport

- **Created Our Own Software - Cybermix 1.1**

The CYBERMIX 1.1 control system optimises and controls your production processes and generates all parameters you need for monitoring your operating costs. Project-related re-calculations can be implemented easily. Decades of experience and collaboration with users have created a perfect platform for a user-friendly system.

- Standardised, ergonomic user interface
  - Fast introduction into the control system and flexible personnel management
- Backup system
  - Never lose data again
- Energy monitoring
  - Your costs at a glance
- RAP recipe generator
  - Maximum flexibility combined with quality
- WEB reports
  - View production data from your office

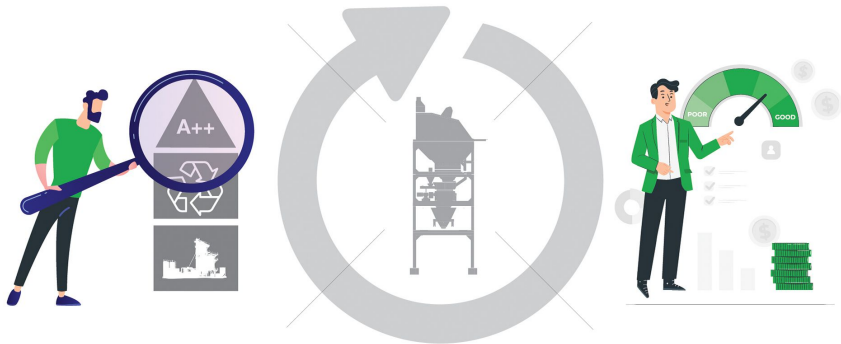
Worldwide Support, World-class Expertise.

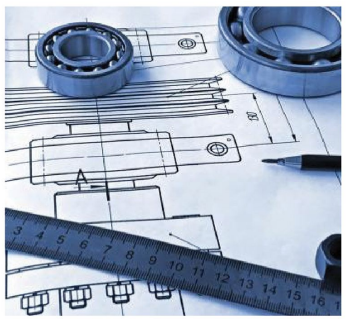
We know uptime is crucial to your business. Our flexible Service Level Agreements are designed to maintain the performance of your systems through access to Alltech engineers and critical support resources.

Alltech offers its customers the experiance and professionalism of a team of experts, capable of offering consultancy and finding solutions regarding retrofitting, service, spare parts, training.

We can work together to:

- Renovate old plants with the integration of new components
- Improve plant efficiency
- Increase Plant Capacity
- Bring the plants up to current emission and eco-standards
- Add kits & other packages to benefit from recycling
- Implement modern technologies for warm mix asphalts





Retrofitting:

New technical solutions for existing plants, replacement of obsolete or dated technologies, new life to parts needing replacement, upgrade to improve and complate the asphalt plant to give it a new lease of industrial life: this is the target of retrofitting.

Service:

Expertise and professionalism of the Alltech team is the core of service, perfectly integrated in our customer support programme, with the aim of creating an ongoing relationship of excellence.

Spare Parts:

Thanks to the experiance accumulated over many decades and the expertise of its staff, Alltech is in a position to meet the requirements of the most demanding customers.

We can trace and supply spare parts also for plants which are out-of-production and when this is not possible our experts can always provide the best alternative technical solutions.

Training:

Well prepared and competent staff guarantee the productivity and reliability of the plant. This is why we have designed a package of four different training programmes, implemented in the new training academy or directly on site.

Training Programmes:

- A basic course for Asphalt Plant operators
- How to manage and Run Dryer Burner
- How to maintain Asphalt Plant
- Training on Innovations
- Training on PLC control System