

Forget Your Conventional Old
Technology Drum Mix Plant and Switch To
Our New Technology

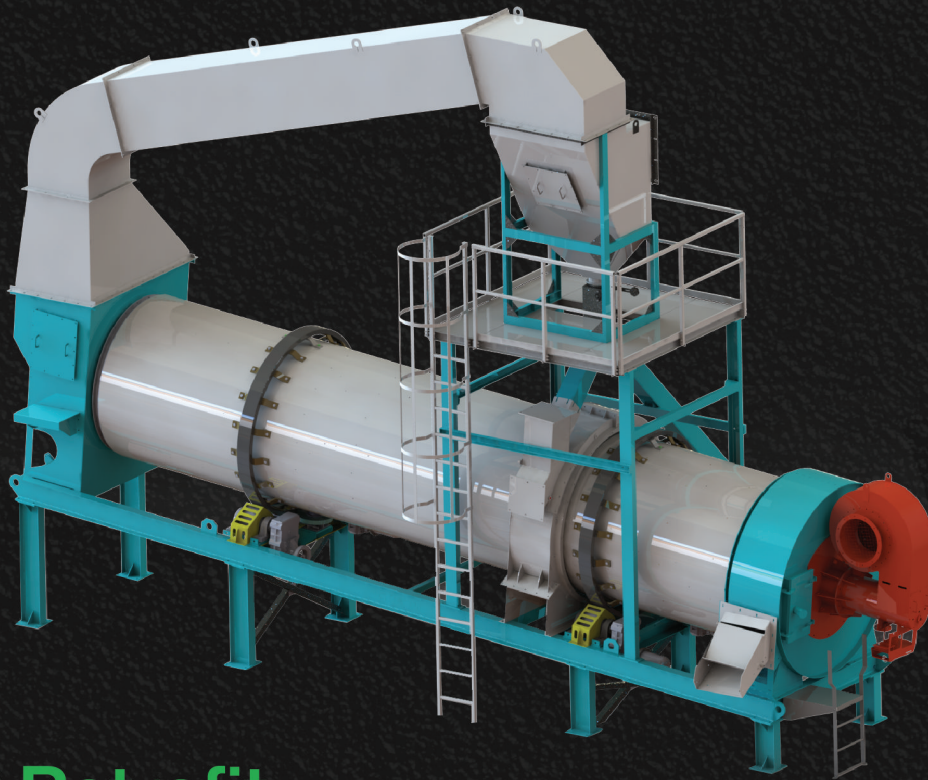


COUNTER FLOW DRUM MIX PLANT

Capacity Range
60-120 TPH

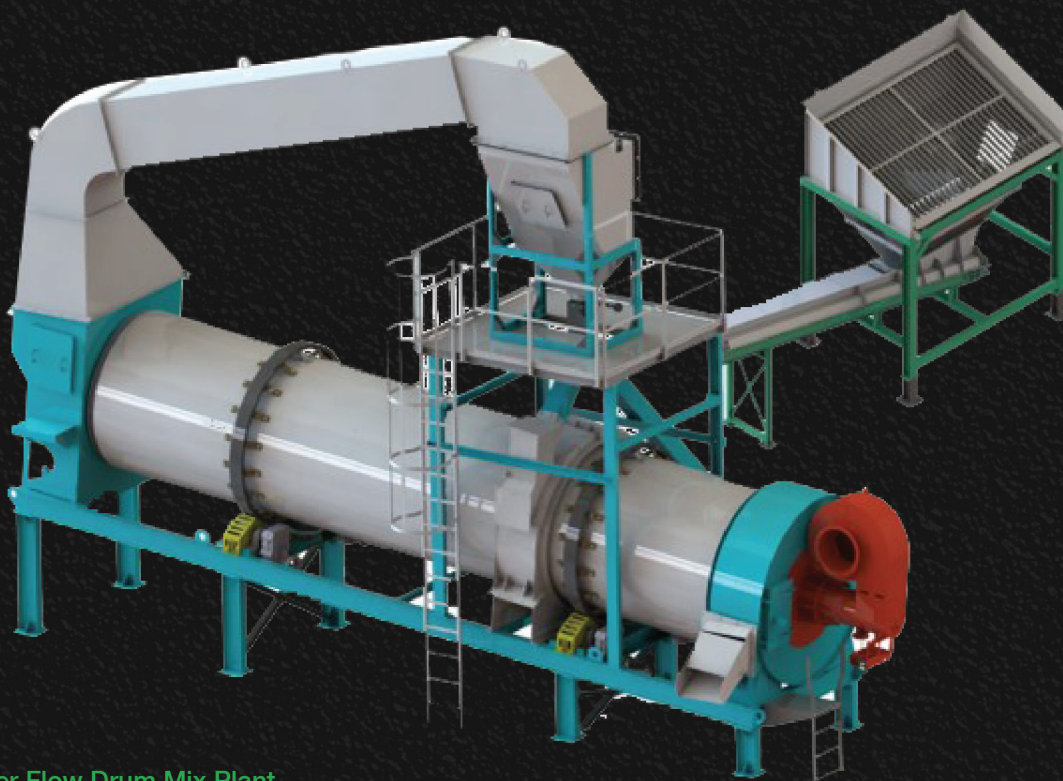


‘Thermix’ Drum With RAP Collar



RAC Retrofit

Alltech's 'THERMIX' DRUM already has RAP collar as standard and can process up to 30% recycled material with the help of RAC Retrofit.



Counter Flow Drum Mix Plant

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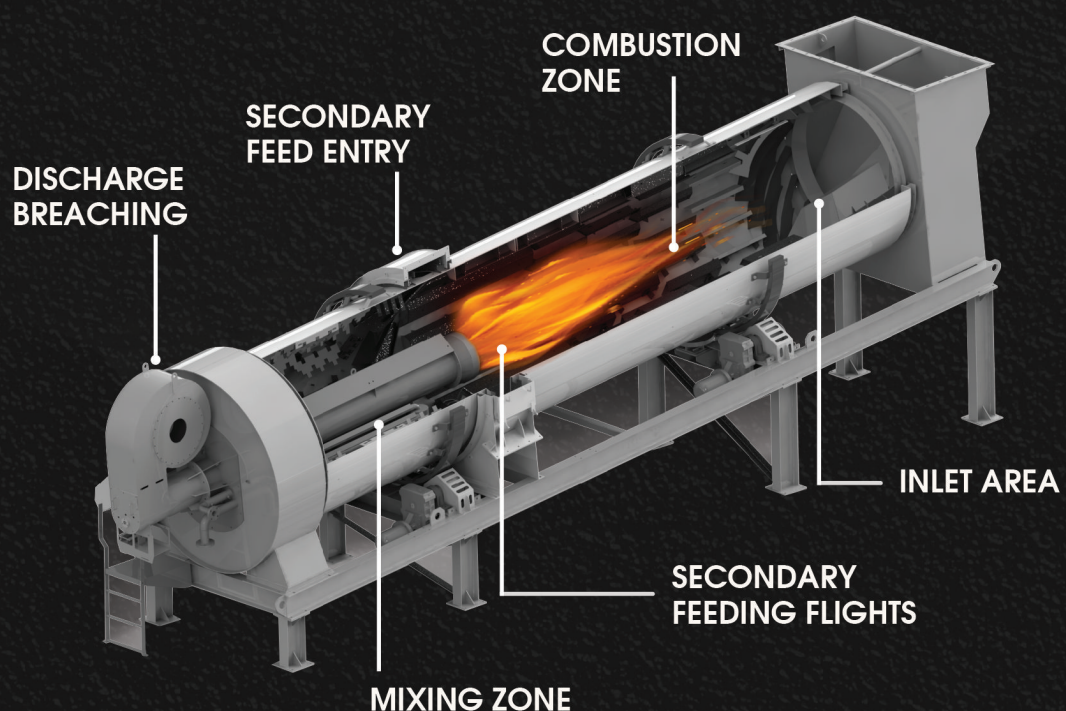
Thermix Drum (Upto 30% RAP)

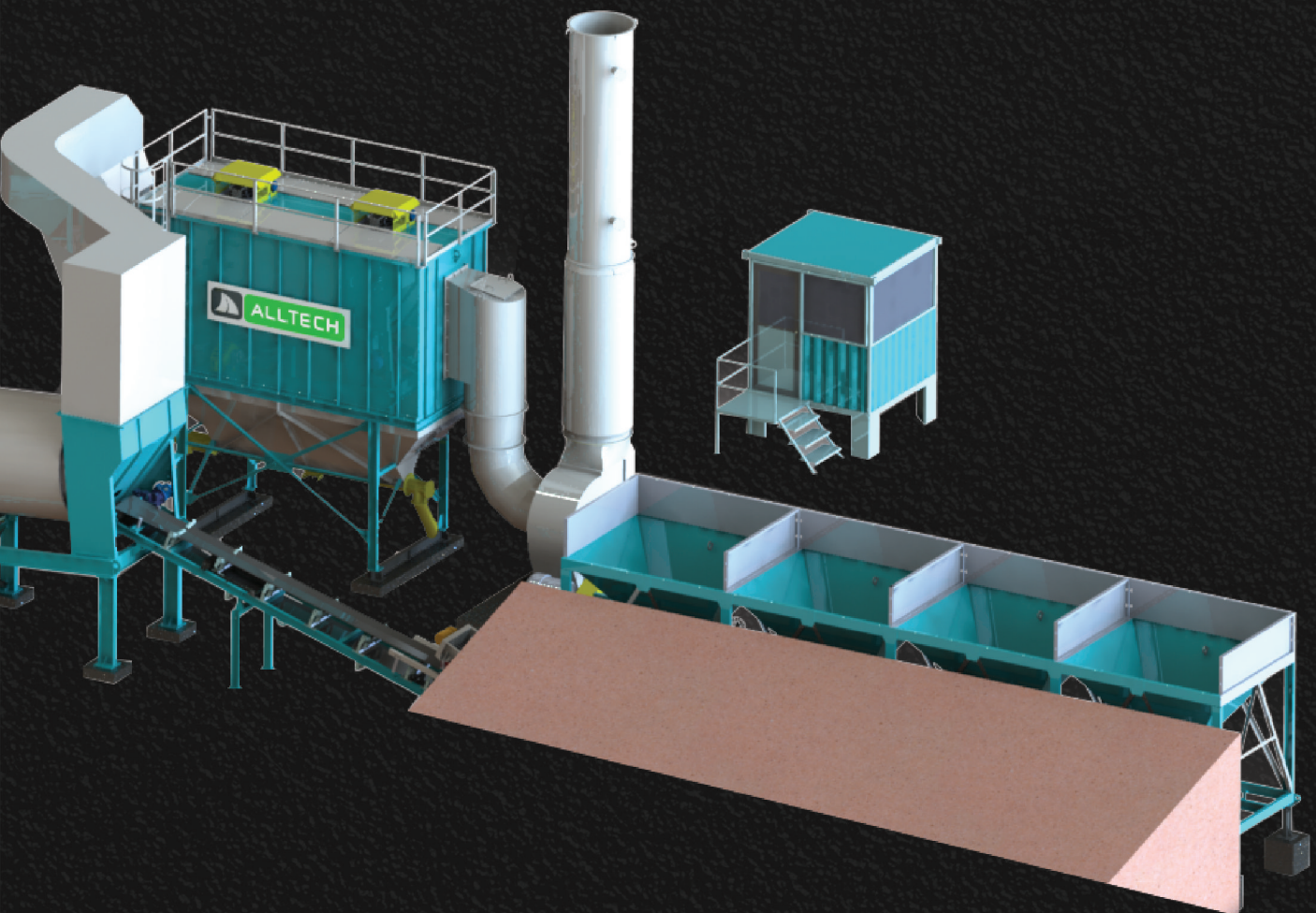
1 'THERMIX' DRUM heats up the aggregate in heating zone as well as allows the mixing of aggregates with bitumen in a separate mixing zone to provide homogeneous mixing.

2 High efficiency 'THERMIX' DRUM of Alltech is equipped with modulating long nose burner. 'THERMIX' DRUM gives high fuel efficiency with low emission.

3 'THERMIX' DRUM allows RAP* addition of upto 30% directly into the mixing zone by the help of RAP Collar attached to 'THERMIX' DRUM.

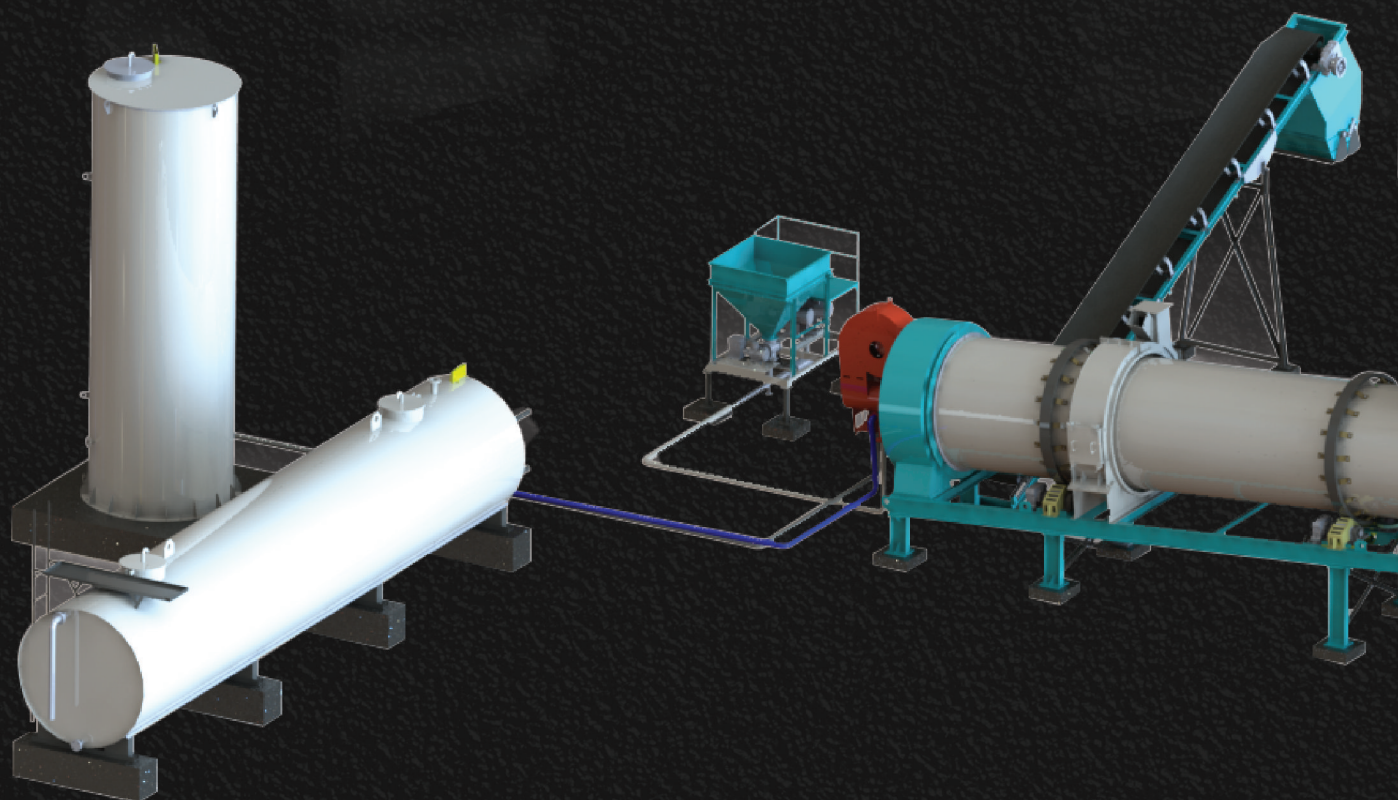
4 'THERMIX' DRUM also allows addition of Filler material directly into the mixing zone.





	Old Drum Mix Plant	Counter Flow Drum Mix Plant	Benefits
Hot Mix Quality	Hot mix quality gets deteriorated since mixing and heating occurs at same place.	Homogenous Mixing since mixing zone and heating zone are separate.	Gets Homogenous mix
Dryer Drum	Parallel flow heat transfer which deteriorates the properties of mix as well as bitumen.	Counter Flow heat transfer with mixing zone behind the burner and attached RAP Collar provides homogenous mix.	Filler, RAP can be added and mixing takes place behind the burner flame.
Fuel Consumption	Consumption of Fuel is more.	Consumes less fuel as compared to drum mix plant.	Less Fuel Consumption leads to cost saving of fuel.

Counter Flow Type Asphalt Drum Mix Plant



Why Counter Flow Drum Mix Plant Should be Preferred Over Drum Mix Plant?

	Old Drum Mix Plant	Counter Flow Drum Mix Plant	Benefits
Technology	Old technology in which heating and mixing occurs at same place.	New technology in which mixing zone and heating zone are at different places in same drum.	Viscosity of bitumen as well as properties of mixed aggregate doesn't get affected.
Recycled Asphalt	Facility to add RAC is not available.	RAC can be added upto 30%	Recycled Asphalt can be used
Filler	Filler cannot be added.	Filler can be added directly into mixing zone via RAP Collar	Filler material can be used to produce homogenous mix.
Pollution	Only Venturi Type Dust Collector is provided for pollution control which requires large area for Dust Collection.	Pollution Control Bag House is provided which ensures pollution free operation of plant.	Pollution Free plant.



Khatkar Builders
CFD 90, Hisar, Haryana



Pooja Construction
CFD 120, Diphu, Assam



Shri Velavan Infra
CFD 120, Coimbatore



5 | Counter Flow Drum Mix Plant

Rajendra Singh Bhamboo Infra Pvt. Ltd.
CFD 90 Classic, Tripura

Technical Specifications:

PLANT TYPE	CFD 90 (60-90 TPH)	CFD 120 (60-90 TPH)
PLANT CAPACITY @ 3 % MOISTURE	90 TPH	120 TPH
PLANT CAPACITY @ 5 % MOISTURE	70 TPH	100 TPH
NO. OF COLD FEEDERS	4	
COLD FEEDER CAPACITY (WITH EXTENSION PLATES)	8M3	8.5M3
GATHERING CONVEYOR BELT & DRIVE	550 X3.75 KW	600 X 3.75 KW
BIN VIBARATOR MOTOR	0.18KW	
SLINGER CONVEYOR BELT & DRIVE	550 X3.75 KW	600 X 3.75 KW
DRYER DRUM TYPE ('THERMIX DRUM')	CYLINDRICAL, INCLINED COUNTER FLOW TYPE WITH RAP RING	
THERMIX DRUM (LXD)	7.5 X 16 M	8.5 X 18 M
DRUM DRIVE	7.5 KW X 4	8.5 KW X 4
MODULATING BURNER OUTPUT	10 MW (LONG NOSE BURNER)	10 MW (LONG NOSE BURNER)

POLLUTION CONTROL BAG HOUSE

FILTER CAPACITY	31000 M3/HR	33500 M3/HR
FILTER SURFACE	260 M2	290 M2
EXHAUSTER CAPACITY	55 KW MOTOR WITH VFD DRIVE	
LOAD OUT CONVEYOR CAPACITY	200 TPH	
LOAD OUT CONVEYOR BELT WIDTH	600 MM	
LOAD OUT CONVEYOR DRIVE	5.5 KW	
GOB HOPPER CAPACITY	1.5 MT	
HYD POWER PACK	3.75 KW	
FILLER UNIT	MINERAL FILLER UNIT OF CAPACITY 1.5 M3	
FILLER UNIT DRIVE	1.5 KW	

OPTIONAL ITEMS

BITUMEN TANK	30 MT HORIZONTAL TYPE DIRECT HEATING/ INDIRECT HEATING	
VENTURI TYPE DUST COLLECTING UNIT		
EXHAUSTER CAPACITY	22.5 KW	37.5 KW
HOT MIX STORAGE SILO	25-50 MT	
RECYCLING ADDITION	THROUGH RAP ADDITION RING IN THE DRUM.	

***Hot mix Production capacity based on following conditions: 10% Bitumen and 12% Filler Addition, input moisture of Aggregates 3%.**

* For Addition of RAC, a Retrofit will be provided extra on request.

*All the Images of Products and plants are for reference Purpose and may be Changeable in Actual Products.

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~ 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)



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