

SPEEDCRAFTS[®]

ASPHALT & CONCRETE EQUIPMENT

ASPHALT DRUM MIX PLANT



AN ISO 9001
CERTIFIED COMPANY



SPEEDCRAFTS

www.speedcrafts.com
www.speedcrafts.net

Speedcrafts, the flagship company of our group was established in 1971 in Patna, the capital of Bihar. From a modest beginning, today our manufacturing unit covers 27 acres of land, with approx. 25,000 sq. mtrs. (250,000 sq. ft.) of covered area, in-house machine shop, forging arrangement, fabrication shop, press shop, mechanical, hydraulic and electrical assembly facilities and paint shop as well as handling and packaging facilities. Over the past fifty years **Speedcrafts** has built a formidable reputation for quality and technical excellence of its products. With in-house R&D and technical collaboration with world-leaders in road making machine industry, backed by an ISO 9001 & CE Certification, **Speedcrafts** is known for not only quality, but also for its commitment towards total customer satisfaction and implementation of projects on schedule.

Modern Manufacturing Facility



Asphalt Plants Under Production



Asphalt Mixing Plants

A TRADITION OF ENGINEERING EXCELLENCE...

Our asphalt plants built to stringent International and Indian standards have found acceptance and acclaim by all users.

QUALITY CONSCIOUSNESS AND INNOVATIONS...

They are thoroughly inspected and tested for quality and reliability by experienced engineers, faithfully uncompromising on quality. The checks begin with the incoming material and components and end only when the finished product is tested and despatched. We are committed to provide inspired services of the highest achievable standards for absolute satisfaction of our valued customers in terms of sales and service.

*Your trusted companion...
on the road to prosperity...*



DRYER DRUM

The dryer is accurately fabricated to ensure proper heating of aggregates with minimum heat loss. It is supported on steel rollers through steel tyres with idlers and guide rollers and is provided with segmented driving sprocket.

FOUR BIN FEEDER

It is of single chassis construction. At each Bin, a radial gate is provided which can be opened in any position to regulate the aggregate flow. Individual endless belts fitted with variable speed motors discharges material onto the gathering conveyor as per the mix design.



FEATURES

- Fully Automatic Plants upto 150 TPH Capacity.
- Mobile and Stationary.
- Wet Type and Bag House Filter Systems.
- Plants with Counterflow Drum
- Hot Mix Storage Silos.
- Global Presence with Prompt Product Support.

ADVANTAGES

- All components used are of top quality.
- Moving and electrical parts are provided with safety covers.
- Ease of lubrication and dismantling has been built into the design for efficient maintenance and repair.
- Fabricated parts are thoroughly cleaned and treated before painting.
- Manufacturing is done with advanced, internationally recognised techniques.

CONTROLS

A fully automatic control panel with feather touch controls are provided for controlling the quantity and quality of production with operator sitting in air-conditioned comfort.

All systems are completely synchronised with automatic / manual control of burners, load cell, mix temperature, cold feed, mineral, bitumen proportions, etc. Manual control is possible through over-ride system. Adequate safety measures are adopted to avoid overloading, short-circuit, etc.

VIBRATORY SCREEN

A single-deck vibratory screen is provided to remove oversize aggregate received from the four bin feeder.

WET SCRUBBER

An effective air pollution control system for minimizing emission of fine particles and gases.

MODEL	CAPACITY
DM - 20	15 to 20 TPH
DM - 45	30 to 45 TPH
DM - 60	45 to 60 TPH
DM - 90	60 to 90 TPH
DM - 120	90 to 120 TPH
DM - 150	120 to 150 TPH

Higher capacity plants are available on specific enquiry.





CONVEYORS

A slinger conveyor is provided which receives aggregate from the four bin feeder and feeds it to the dryer drum.

Loadout conveyor fitted with hydraulically operated hopper is provided at the discharge end of the dryer drum which feeds the hot mix material into tippers.

DRYER BURNER

A fully automatic, high pressure, auto jet burner is mounted at one end of the drum.

FLIGHT DESIGN

The drying and mixing unit of the plant demands complex flight design. Specially designed flights lift and cascade the aggregate to reduce the final moisture content to 0.5% (by weight).

FILLER UNIT

Fabricated from steel plates, it feeds the required quantity of mineral to the dryer drum.

ASPHALT (BITUMEN) TANK

Tank of 15/20 MT capacity is provided, fabricated from steel plates with 50 mm glasswool insulation, manhole, thermocouples, etc. Bitumen is pumped to the dryer drum through hot oil jacketed pipelines. Tanks are fitted with independent on-off type burners.

FUEL TANK

One Tank of 2500 / 5000 / 10000 Ltrs. capacity is provided with each plant.



ASPHALT DRUM MIX PLANT

TECHNICAL SPECIFICATION

MODEL	DM-20	DM-45	DM-60	DM-90	DM-120	DM-150
CAPACITY RANGE (TPH)*	15 to 20	30 to 45	45 to 60	60 to 90	90 to 120	120 to 150
DRYER						
Length (m)	5	6.2	6.2	6.75	6.75	8.5
Diameter (m)	1.05	1.13	1.22	1.5	1.82	2.1
Insulation (Cerawool in mm)	25	25	25	25	25	25
Exhauster (CFM)	5500	7500	10500	14500	18500	22500
Burner Rating (Ltrs./Hr.)	150	150	250	350	550	900
BIN FEEDER						
No. of Bins	4	4	4	4	4	4
Bin Capacity (MT)	8	8	11	11	13	13
Belt Feeder Width (mm)	500	500	500	500	500	500
Gathering Conveyor Width (mm)	600	600	600	600	600	600
SLINGER CONVEYOR						
Conveyor Width (mm)	600	600	600	600	600	600
LOADOUT CONVEYOR						
Conveyor Width (mm)	600	600	600	600	600	600
Loadout Height (m)	3.2	3.2	3.2	3.2	3.2	3.2
Hopper Capacity (kg)	800	800	800	1000	1000	1000
POWER REQUIREMENTS						
Drum Drive (HP)	10	15	20	30	40	60
Exhauster (HP)	10	15	20	25	50	75
Bin Feeder Hopper (HP)	4 x 2	4 x 2	4 x 2	4 x 2	4 x 3	4 x 3
Gathering Conveyor (HP)	3	5	5	5	7.5	7.5
Slinger Conveyor (HP)	3	5	5	5	7.5	7.5
Vibratory Screen (HP)	1	1	1	1	2	2
Loadout Conveyor (HP)	3	5	5	5	7.5	7.5
Hydraulic Powerpack (HP)	2	2	2	2	5	5
Bitumen (Asphalt) Pump (HP)	3	3	3	3	3	5
Filler Unit						
Rotary valve (HP)	1.5	1.5	2	2	5	5
Blower (HP)	5	5	5	5	5	5
Dryer Automatic Burner						
Fuel Pump (HP)	2	2	2	2	3	5
Blower (HP)	3	3	5	10	15	25
Hot Oil Pump (HP)	0.5	0.5	0.5	0.5	0.5	0.5
Water Pump of Wet Scrubber (HP)	5	5	5	5	5	5
BITUMEN TANK						
Capacity (MT)	15	15	15	20	20	15 x 2
Insulation (Glasswool in mm)	50	50	50	50	50	50
FUEL TANK						
Capacity (Ltrs.)	2500	2500	5000	5000	5000	10000
TOTAL CONNECTED LOAD						
Load (KVA)	80	100	120	135	220	300

*Capacity @ 3% moisture content

Due to SPEEDCRAFTS Policy of continuous improvement / development, the technical data mentioned in this entire sheet is not binding and subject to change without notice.

Components of Asphalt Plant



Four Bin Feeder



Dryer Drum



Control Panel



Dryer Burner



Vibratory Screen



Asphalt (Bitumen) Tank



Bitumen Burner



Filler Unit



Fuel Tank



Flight Design Inside Dryer Drum



Mobile Four Bin Feeder



Mobile Dryer
With Multicyclone & Exhauster



Mobile Dryer Drum



Hot Mix Storage Silo



Bag House Filter

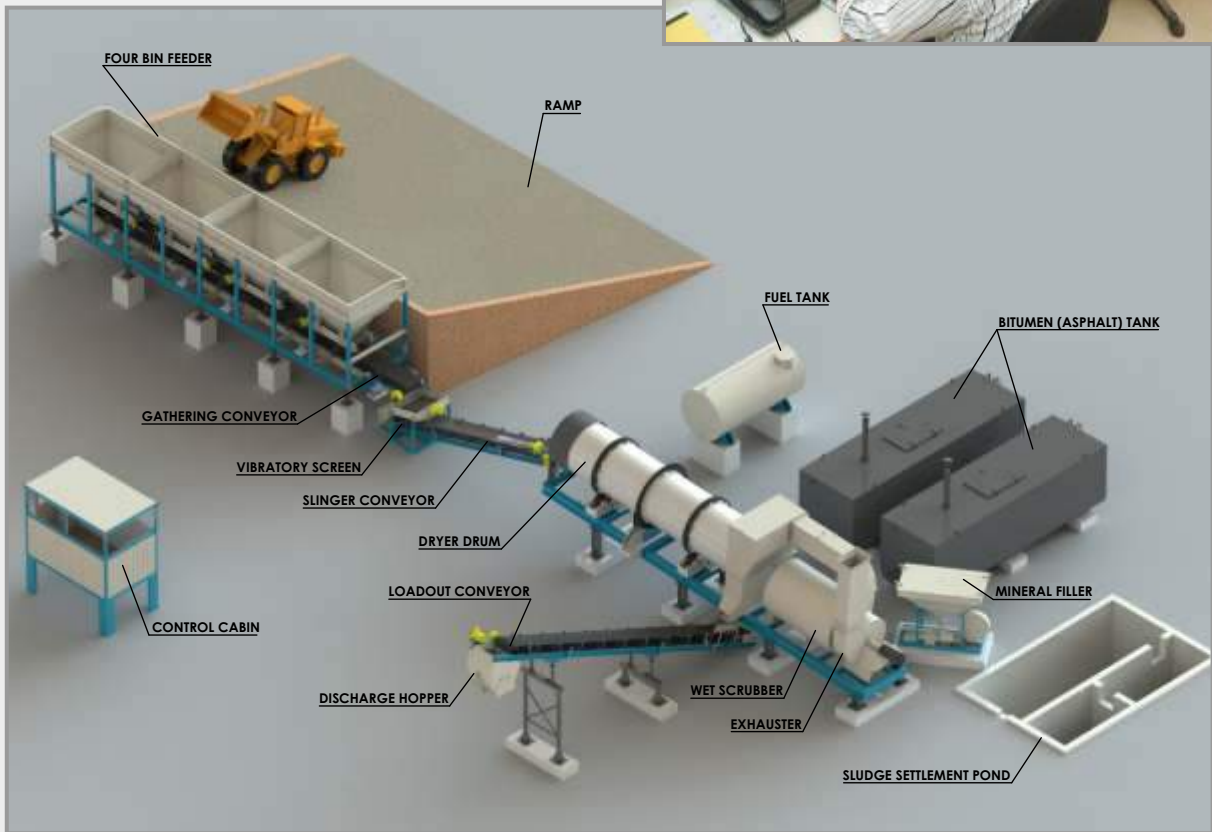
Certain components shown here are optional.
Please refer our offer to know the exact scope of supply.

R & D Division

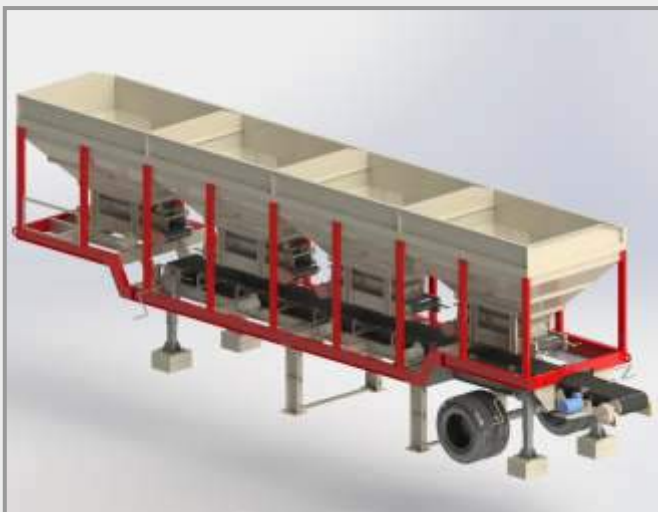
Equipped with latest design software and technology dedicatedly works on finding solutions to tomorrows needs. We offer tailor made plants as per individual customers requirement.



General Layout of Drum Mix Plant



Land area requirement for installation - 40 m x 40 m (max.)



Mobile Four Bin Feeder



Mobile Dryer Drum with Wet Scrubber on same Chassis

Few of our Valued Customers





Exhibitions Worldwide



Bauma 2019, Germany



The Big5 2019, Kenya



Cambuild 2019, Cambodia



Intermat 2018, France



Bauma 2018, South Africa



Construction Expo 2017, Bhutan



Buildcon International Expo 2017, Bangladesh



Intermat 2017, Thailand



Bauma 2016, Germany



Bauma Conexpo 2016, India



World of Concrete 2016, India



Samoter 2015, Italy

Other Products at a Glance



ASPHALT BATCH MIX PLANT



WET MIX MACADAM PLANT



CONCRETE BATCHING PLANT



MOBILE CONCRETE PLANT



PORTABLE CONCRETE PLANT



CONCRETE CONVEYOR



POTHOLE REPAIRING MACHINE



BITUMEN PRESSURE DISTRIBUTOR



DIESEL ROAD ROLLER



PAVER FINISHER



MOBILE HOT MIX PLANT



TROLLEY MOUNTED BITUMEN SPRAYER



ROAD SWEEPER

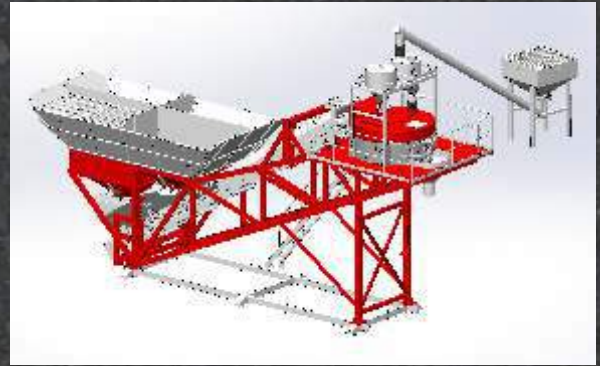


CHIP (AGGREGATE) SPREADER



ROAD MARKING MACHINE

SPEEDCRAFTS®



Compact Concrete Plant



Bitumen Decanter

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Plants under despatch

SPEEDCRAFTS PVT. LTD.

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MANUFACTURING UNITS

UNIT - I

Layak Enclaves, Sahay Nagar
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UNIT - II

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Hardwar, Uttrakhand, India

CIN : U34100BR1971PTC000904