ARDENT
MASCHINFABRIK PVT. LTD.
An Ardent Group Company

THE EXPERTS IN
ASPHALT & CONCRETE BATCH MIX PLANTS

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www.ardentgroup.co.in

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MAX MOBILE SERIES



Ardent Maschinfabrik Pvt. Ltd. is the perfect mix of tradition & technology. Strategically located in Pune, India; Ardent group specialises in the development, manufacturing & marketing of Asphalt & Concrete Batch Mixing Plants used in paving highways & airports, road widening & development projects.

WE DELIVER IN BLACK WHAT WE PROMISE ON WHITE

OUR GROUP COMPANIES

ARDENT MASCHINFABRIK PVT. LTD. | ARDENT INFRA EQUIPMENTS PVT. LTD. | ARDENT MINING PVT. LTD. | ARDENT GENUINE PARTS LLP

ARDENT ESTRADA | ARDENT MAINTENANCE TECHNOLOGIES PVT. LTD.

ARDENT
MAX MOBILE ASPHALT BATCH MIXING PLANTS

Ardent Mobile Asphalt Batch Mixing Plants have a compact design which fits into containers for ease of shipment. The reduced footprint of the plant layout and the screen drum concept utilizes dual-functions of drying and screening of aggregates, ensuring very short route of aggregate flow to the hot bins. These plants deliver high capacity hotmix asphalt for highway projects, large airport runways, road resurfacing; the distinguished features incorporated in these plants is that it has no hot elevator, no vibrating screen and a dual purpose screen drum. These plants facilitates low cost production of Hotmix Asphalt due to lower fuel consumption without compromising on the quality resulting in competitive investment with lower cost of operation with high performance.

FEATURES

Features that make Ardent Mobile Batch Mixing Plants to be the preferred choice of the Customers for development of Roads & Highways.

EASY TRANSPORTATION
Plants are customised to fit into containers for the purpose of ease of shipment.

ECONOMICAL OPERATIONS
Lower fuel consumption & lower maintenance cost results in lower operating and production cost.

ADDITIONAL ATTACHMENTS
Due to the modular design it is easy to order various attachments basis the requirements & install it at the plant location with ease.

LOWER MAINTANENCE COST
No need to change worn-off buckets, bearings, chains, sprockets as hot elevator is not required. No separate screening section required.

QUICK INSTALLATION
Power packed Hydraulic Self Jacking system makes it fast & easy to assemble & Commission. No heavy cranes required

MAX MOBILE PLANT VARIANTS
MaxMobile 120 (124 Tons per Hour)
MaxMobile 160 (160 Tons per Hour)

ARDENT MAX MOBILE
ASPHALT BATCH MIXING PLANT



SPRINT WITH ARDENT MOBILE ASPHALT BATCHING PLANT

Better Mobility • Self Lifting • Quick Set-up

Ardent Mobile Asphalt Batching plant is the answer to all your job requirements, its ingenious and simple design allows easy transportation from one site to another. Setting up time is short and final installation of minor components can be done easily.

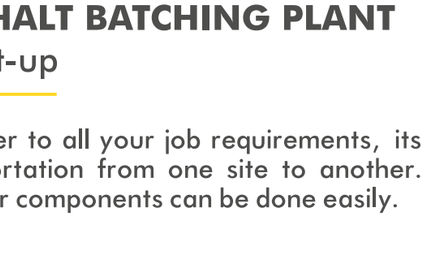
ADVANTAGES

- Easy Transportation
- Easy Set-up
- Quick Installation
- No Heavy Concrete Foundation
- No Heavy Lifting Required
- Less Manpower Required
- Factory Prewired With Quick Coupled Cables
- Lower Fuel Consumption
- Lower Maintenance Cost

Mobile Cold Feed Hoppers



Mobile Screen Drum





Mobile Weighing & Mixing Unit



Mobile Bag Filter & Control Cabin

TECHNICAL SPECIFICATIONS ARDENT MAX MOBILE PLANTS

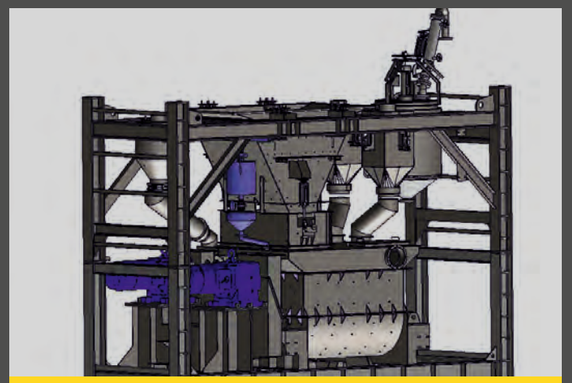
PLANT MODEL	MAXMOBILE 120	MAXMOBILE 160
CAPACITY	124 TPH	160 TPH
MOBILE COLD FEED HOPPER UNIT		
No. of cold feed hopper	3 + 1 (EQUIPPED WITH VIBRATOR)	3 + 2 (EQUIPPED WITH VIBRATOR)
Volume of each hopper	6 M^3	8 M^3
Feeder belt capacity	50 TPH	80 TPH
Feeder belt drive motor	1.5 KW	1.5 KW
Feeder belt width	500 MM	500 MM
COLLECTING BELT	ENDLESS BELT	
Capacity	124 TPH	160 TPH
Drive motor	3 KW	5.5 KW
Belt width	500 MM	600 MM
THROW BELT CLEATED BELT C/W BACKSTOP		
Capacity	124 TPH	160 TPH
Drive motor	5.5 KW	9.2 KW
Belt width	500 MM	600 MM
MOBILE SCREEN DRUM UNIT		
Dryer capacity	124 TPH	160 TPH
Drum diameter	1600 MM	1800 MM
Drum drive motor	30 KW	4 X 11 KW
No. of screen section	4	4
Total screening area	25 M^2	46 M^2
BURENR C/W BLOWER		
Type of fuel	DIESEL / HEAVY OIL / GAS**	
Heat output	600 KG/HR	1000 KG/HR
Fuel pump	GEAR PUMP	GEAR PUMP
Start-up	AUTO	AUTO
Blower drive motor	15 KW	22 KW
HOT MINERAL BINS	4 COMPARTMENTS WITH OVERFLOW & OVERSIZE CHUTES	
Total capacity	12 TONS	15 TONS
Discharge flap	TWO STAGE	TWO STAGE
Compressor	1000 LPM	1000 LPM
MOBILE WEIGHING & MIXING UNIT		
Aggregate weigher capacity	1500 KG	2000 KG
Filler weigher capacity	225KG	250KG
Bitumen weigher capacity	150KG	200KG
MIXER	TWIN SHAFT SYNCHRONISED SPUR GEAR	
Mixer capacity	1500 KG	2000 KG
Mixer drive motor	2 X 22 KW	2 X 30 KW
Mixer drive motor	43 SECONDS	
MOBILE BAGHOUSE	AMBIENT AIR CLEANING BAG FILTER	
Filter area	400 M^2	550 M^2
Exhaust fan drive motor	55 KW	75 KW
Damper	RADIAL	
Recuperated filler hopper	BENEATH BAGHOUSE	
Filler screw conveyor	2 X 3 KW	2 X 4 KW
Collecting screw conveyors	2 X 5.5 KW	2 X 7.5 KW
CONTROL ROOM UNIT	Cabin With Glass Windows, Insulated, Dust Proof and Air Conditioned, Pentium Computer, 17" LCD Monitor, Printer, Pre-loaded Control Software System, Micro Series PLC, Switch Gear & Control Gear Housed within Power and Control Panels	
BITUMEN TANK Capacity Direct Heated	30 KL x 1	30 KL x 2
DUST CONDITIONER Capacity 25 Tons/Hr	TWIN SHAFT DUST CONDITIONER WITH WATER MIXING ARRANGEMENT	
FUEL OIL TANK Capacity	20 KL x 1	20 KL x 1

** As per standard Performance Conditions*
*** Option Items.*

 # Materials and Specifications are subject to change without prior notice.

OPTIONAL ACCESSORIES

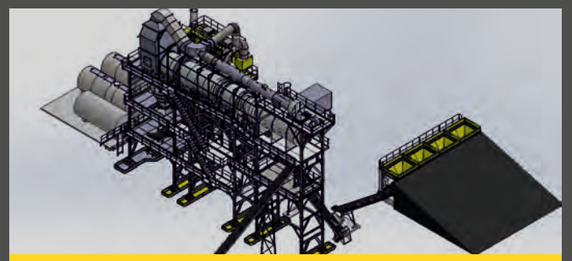
Additional accessories that can be ordered as per the requirement and can easily be installed at the plant location.



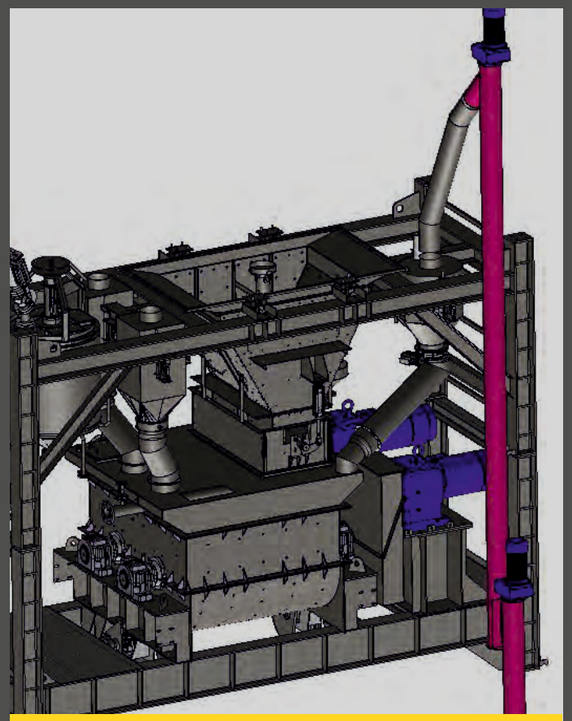
Colour Asphalt Liquid Loading System



Rap Sieving System with Conveyors



Hot Recycling



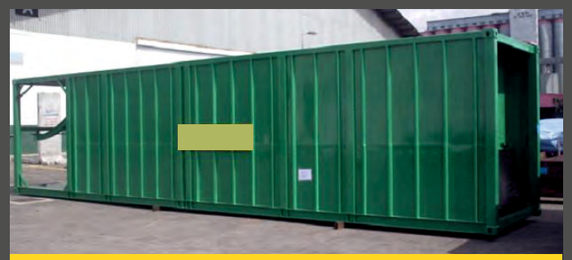
SMA Dosing System (1.5% Dosing)



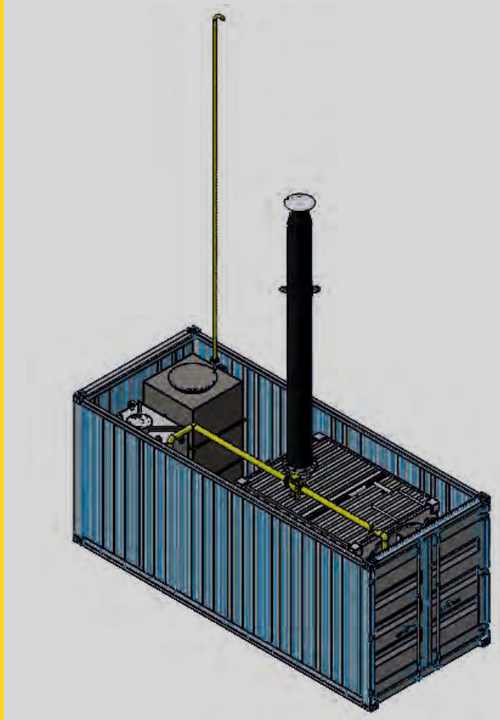
Cold Recycling



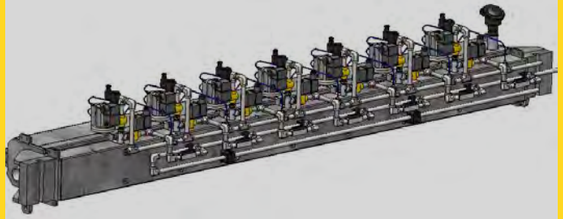
Gussaphalt / Mastic Option



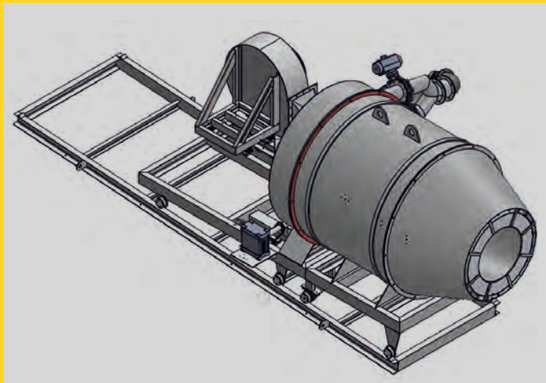
Drum Decanting System



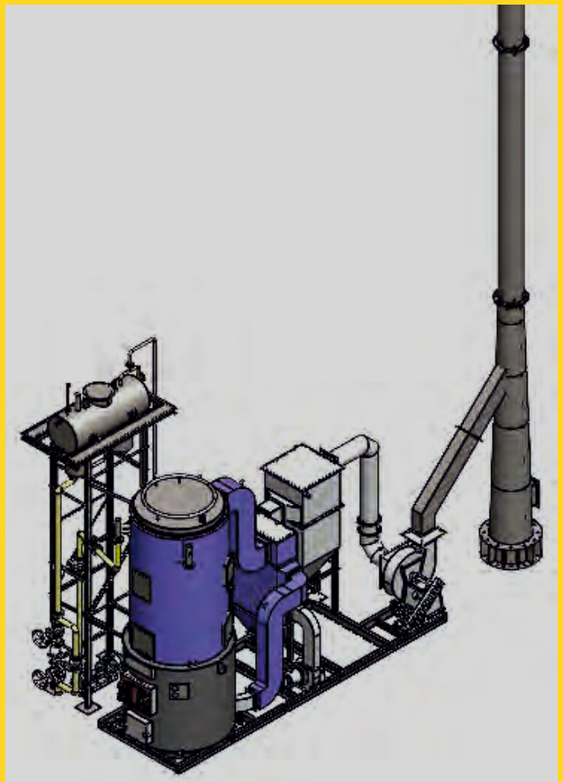
Thermal Oil Heater in Container



Warm Mix (Water Based)



DustPro® Coal Burner Complete with Accessories & Storage



Coal Fired Thermal Oil Heater

OTHER OPTIONAL ACCESSORIES

- RAP Granulator
- Hot RAP with Counter Flow Drum
- Waste Heat based Coal Dryer
- Optional Hot Storage Silo Side Skip from 100 to 1600 tons
- Optional Hot Storage Silo Below Mixer Capacity from 15 to 100 tons
- Fuel / Gas Metering System
- Dedust Covers for Cold Feeder with Suction Fans Connected by Duct to Bag House During Loading
- Bitumen Tank Vent Connection to Common Ground Filter for Clean Air Fume Control