

APOLLO DRUMMIX & WETMIX



DRUMMIX 60–120

PARALLELFLOW ASPHALT DRUM MIX PLANT

With decades of asphalt mixing expertise and over 2400 plants installed, Apollo has perfected continuous asphalt mixing technology. Worldwide, Apollo Drum Mix plants have produced millions of tons of high-quality asphalt.

Known for superior mix, low operating costs, productivity, efficiency, and high uptime, Apollo plants set industry benchmarks.

COLD AGGREGATES BIN FEEDERS

The bins are all welded and modular in construction, permitting easy addition of bins to meet growing needs. Steep bin walls and valley angles allow free flow of aggregate from the feeders minimizing hold up of materials in the corner and bridging with sticky aggregates.

The bins supplied with adjustable gate openings and variable speed feeders drive, together offers total proportional control, greater flexibility and accuracy of operations. proportional control, greater flexibility and accuracy of operations.

THERMODRUM UNIT

The drying and mixing unit of the asphalt plant requires advanced flight design and heat transfer technology. Our Thermodrum has been continually refined through R&D and the latest design upgrades.

It uses a triple heat transfer system—conductive, convective, and radiant—ensuring complete heat transfer to aggregates, resulting in higher productivity and reduced fuel consumption. The optimized flight design guarantees total heat transfer, efficient mixing and coating, reduced emissions, and prevention of bitumen oxidation.

Plants of 60–90 t/h are equipped with a maintenance-free cradle-type drum drive, while lubrication ensures proper chain drive lubrication for long, trouble-free service.

All our model features a four-wheel drive. Precisely engineered sprockets, trunnion rings, and rollers deliver flawless drum operation and consistent high productivity.

BURNERS

The high-pressure atomized, fully automatic, remote-controlled burner unit is renowned for its fuel efficiency, simple operation, and high uptime. Advanced automatic process control with system interlocks ensures compliance with the highest safety standards.

BENEFITS AT A GLANCE

- Simple operation with superior efficiency, productivity, and uptime
- Low investment and reduced operating costs
- Compliance with country-specific electrical, mechanical and safety standards
- Easy to relocate and transport within permissible dimensions



*Drum Mix – simple in design,
superior in cost efficiency*

**MORE THAN 2000
POPULATION FOR ALL THE
DRUMMIX PLANTS**





CONTROLS

Apollo plants are equipped with a fully computerized, air-conditioned control cabin featuring an integrated electrical power console, distribution switchboard, and fully automatic process and sequence controls. The system uses simple function and numeric keys, requiring no special skills to operate.

The user-friendly software ensures reliability and peak performance with:

- Fail-safe power interlocks and automatic process controls
- Online fault detection
- Integrated online printing facility
- Display of all process parameters
- Auto / manual operating modes

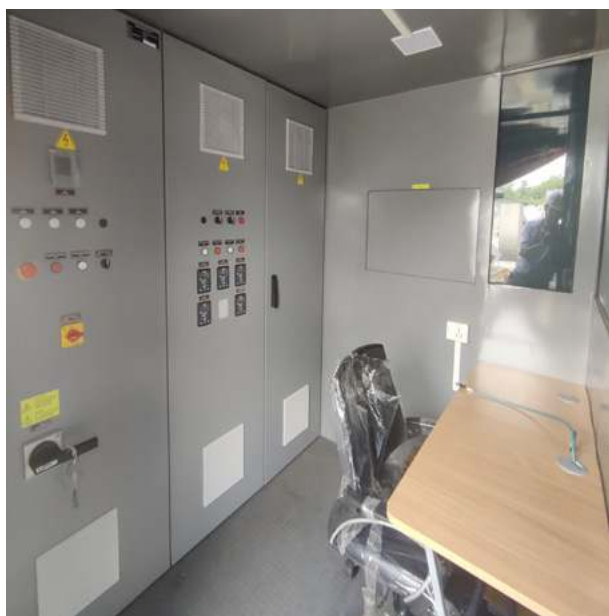
WET DUST COLLECTOR

Apollo offers the CV Series venturi-type wet dust collector, designed to effectively maintain environmental standards in specified areas. Its high-turbulence venturi design ensures efficient capture of dust-laden exhaust gases.

Large stainless-steel spray nozzles guarantee clog-free performance with minimal water consumption, while the adjustable venturi throat allows precise tuning for optimum cleaning efficiency to suit specific plant requirements.

CONTINUOUS ELECTRONIC BELT WEIGHING SYSTEMS

The state-of-the-art SCADA system manages and meters mix proportioning, while load cell feedback is processed by the system which further automatically controls and processes the bitumen and filler proportioning.





BITUMEN INJECTION

A high-capacity, hot-oil-jacketed gear pump, driven by an AC variable speed drive, accurately meters and injects bitumen into the Thermodrum mixing section. The fully automatic SCADA system ensures precise control and consistency.

FILLER SILO

Apollo provides a wide range of filler storage and feeding solutions (1.5–28 cum), tailored to suit diverse site requirements. A variable-speed, computerized, synchronized metering system ensures accurate proportioning in the mix.

HOT MIX SILO (OPTIONAL)

Apollo provides a complete range of customized asphalt storage solutions. The standard range includes silos with 14 to 28 cum capacity in MONOPAK and TWINPAK designs, while customized MULTIPAK options offer flexible storage combinations.

All silos come with automated safety controls, process interlocks, and can be equipped with swiveling load-out conveyors.

DRAG SLAT CONVEYOR (OPTIONAL)

The drag slat conveyor is the international standard for conveying hot mix, offering advantages over traditional belt conveyors. Fully enclosed to prevent heat loss, it moves material by scraping, ensuring even the fines—essential for proper bonding—are retained and conveyed. The drag slat can deliver mix directly into trucks or into the hot mix silo and is equipped with a gob hopper for efficient handling.

BITUMEN HEATING & STORAGE SOLUTION

Customers can choose between direct heating or hot oil-heated bitumen storage tanks, with capacities ranging from 15–50 KL. Indirect heating tanks are equipped with a thermic oil heater, while direct heating tanks come with an automatic pressure jet burner. All bitumen tanks are fitted with automatic thermostatic controls and level indicators.



DRUMMIX TECHNICAL SPECIFICATIONS

PLANT TYPE	60	90	120
Continual plant capacity at 3 % moisture*	60 t/h	90 t/h	120 t/h
Continual plant capacity at 5 % moisture*	40 t/h	60 t/h	90 t/h
Number of cold feeders	4		
Content cold feeders	6.5 m³ each bin	6.5 m³ each bin	8 m³ each bin with extension plates
Auxiliary conveyor belt and drive	450 mm width 1.1 kW × 4 nos = 4.4 kW		
Gathering conveyor belt and drive	600 mm × 22.4 m / 5.5 kW		
Bin vibrator motor	0.18 kW		
Oversize removal screen mesh and drive	45 × 45 mm / 0.56 kW		
Slinger conveyor belt and drive	500 mm / 3.7 kW		
Type drying drum	Cylindrical, inclined parallel flow		
Diameter / length	1200 / 6000 mm	1500 / 6700 mm	1800 / 7300 mm
Drum drive	Cradle type chain drive / 15 kW	Cradle type chain drive / 18.5 kW	Cradle type chain drive / 30 kW
Burner power output	2.58 mWh	4.65 mWh	7.95 mWh
Fuels	Standard burner for LDO/Diesel and heavy oil as an option.		
Pollution control unit / Primary multicone	20 nos of cone / dry dust collector 18000 m³/h @15 kW	15 nos of cone / dry dust collector 24500 m³/h @18 kW	21 nos of cone / dry dust collector 28000 m³/h @30 kW
Load-out conveyor capacity	60 t/h	90 t/h	120 t/h
Load-out conveyor belt width	600 mm		
Load-out conveyor drive	5.5 kW		
Gob hopper capacity	2.0 t	2.0 t	2.0 t
Gob hopper drive -Hydraulic power pack	3.7 kW	3.7 kW	3.7 kW
Filler supply	Mineral filler tank capacity 1.5 m³. Drive 1.5 kW. Air compressor 5.5 kW. Other sizes and types on request.		
Optional accessories			
Wet dust collector CV / Optional	WATER PUMP 3.7 KW AND EX-HAUSTER 24500 M³/H @18.5 KW	WATER PUMP 3.7 KW AND EX-HAUSTER 26000 M³/H @22 KW	WATER PUMP 3.7 KW AND EX-HAUSTER 30000 M³/H @37 KW
Drag slat conveyor capacity (Optional)	100 T/H	100 T/H	N/A
Hot mix storage silo	50 t	50 t	N/A
Bitumen tanks	20 kl / 30 kl Horizontal type. Direct heating / Hot oil heating. Other sizes and types on request.		
Recycling addition	-	No	No
* Hot mix production capacity based on following conditions: 5 % bitumen and 3 % filler addition, input moisture of aggregates 3 %, hot mix temperature of 150 °C.			
Per Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice.			

**OVER 2000+ UNITS
IN OPERATION**



WETMIX 100-250

WET MIX MACADAM PLANT

SUPERIOR QUALITY, LOWER COSTS

Apollo Wet Mix 100–250 plants deliver superior quality while keeping investment and operating costs low. Consistent quality is ensured through advanced anti-segregation features, including thorough, uniform mixing. Hydraulic clamshell gates and fast-discharging storage silos further reduce segregation.

Low ownership costs are achieved with wear-resistant steel paddle arms and tips, while heavy-duty bearings extend shaft life and ensure a homogenous mix. User-friendly controls make operation simple and efficient for operators of all experience levels.

COLD-AGGREGATE BIN FEEDERS

The cold-aggregate bin feeder system is designed with steep walls and angles to ensure smooth material flow and consistent feed rates, eliminating bridging or blockages.

Calibrated adjustable gates enable accurate control of material discharge, while belt feeders with fixed or variable speed drives adapt to varying production needs and material types. Its modular, expandable design allows easy addition of bins, providing flexibility for future growth.

WATER TANK AND METERING

The water tank and metering system ensures reliable water management with surge capacity to maintain steady supply during peak demand.

A self-priming pump provides consistent flow with low maintenance, while a precision control valve and spray bar with integrated flow meter guarantee accurate distribution and metering.

This advanced system delivers precise moisture control for uniform mix quality and performance.

ANTI-SEGREGATION GOB HOPPER

The anti-segregation gob hopper supports uninterrupted operation by allowing direct discharge into trucks without halting production, maximizing efficiency and output.

Its smart design minimizes spillage, reducing material loss and keeping the site clean. Hydraulic clamshell gates ensure controlled release, preventing segregation and maintaining uniform mix quality throughout the discharge process.

BENEFITS AT A GLANCE

- Lowest capital & operation costs
- Robust construction with trusted standard components
- Consistent mixing and segregation-free material delivery
- Fully integrated control panel
- Surge-capacity water tank
- Reliable self-priming pump
- Nationwide sales and service network

“Advanced mixing technology that ensures outstanding quality at unmatched cost efficiency for every project.”

STORAGE SILO

Built with a robust structure to handle operational demands and varying site conditions, the storage silo ensures long-term durability and reliability. Its modular design allows for quick setup and easy relocation between job sites, helping reduce installation time and transport costs. Engineered for rapid discharge, the silo speeds up truck loading to enhance overall productivity, while its design minimizes segregation, ensuring consistent mix quality during both storage and discharge.

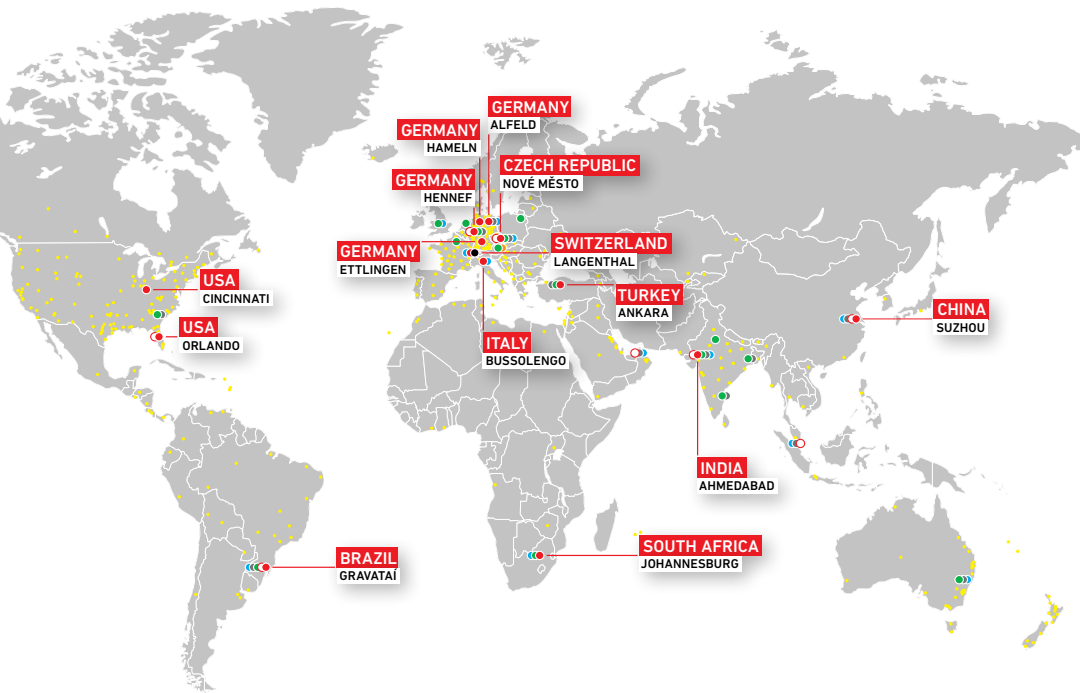
PUG MILL UNIT

The pug mill unit delivers fast, continuous, homogeneous mixing, ensuring consistent product quality. Heavy-duty anti-friction bearings provide smooth operation and extended service life, minimizing downtime. Wear-resistant steel construction on paddle arms ensures exceptional durability, while reversible paddle arms reduce maintenance costs by allowing operators to reverse wear patterns.

WETMIX TECHNICAL SPECIFICATIONS

PLANT TYPE	100	200	250
Rated Output	100 t/h	200 t/h	250 t/h
FOUR BIN FEEDER			
No. of Bins* / Total Capacity	4 nos. / 26m³	4 nos. / 32m³	4 nos. /5 nos.- 40m³ / 50m³
Charging Width	2.8 mtrs		
Auxilliary drive motor	1.1 kW		
Gathering conveyor belt (W x L)	600 x 30 400 mm		
Gathering drive motor	5.5 kW		
Bin vibrator	0.18 kW		0.18 kWx 2 nos.
Feeder capacity	120 t/h	225 t/h	260 t/h
OVER SIZE REMOVAL SCREEN			
Mesh size	65 x 65 mm		
Drive motor	0.75 kW		
CHARGING CONVEYOR			
Conveyor belt (W x L)	500 x 16 780 mm	600 x 16 780 mm	
Conveyor drive motor	3.7 kW	5.5 kW	
PUG MILL			
No. of paddle arms	26	44	64
Drive motor	18.5 kW	45 kW	
Capacity	1.62 m³	2.4 m³	
WATER TANK			
Capacity	18 m³		
Drive motor	1.5 kW	3.7 kW	
LONG LOAD OUT CONVEYOR WITH STORAGE SILO (WETMIX 200 & 250)			
Belt (W x L)	600 x 17900 mm	800 x 41100mm	
Drive motor	5.5 kW	11 kW	
Gob hopper capacity / Storage Silo	2 ton	25 ton silo	
Hydraulic power pack	3.7 kW		
OPTIONAL ITEMS			
Filler silo capacity	1.5, 7.5, 18, 75 m³		
Filler silo connected load	4.5 kW		
Open land requirement	50 x 35 mtr		
Offer for capacities over 250 t/h on request.			
Per Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice.			

AMMANN'S GLOBAL PRESENCE



An Innovative, Sustainable Business

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. We are committed to sustainability – in both the products we make and the ways we make them.

Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, “Productivity Partnership for a Lifetime,” we gear our activities to the needs and requirements of our customers around the globe. Plants and machines that consistently prove their merits under demanding conditions are the best way to give our customers the critical, competitive edge they need.

Our reliable, punctual service network provides the essential spare parts that keep our customers working – and supports the plants and machines throughout their lifetimes.

GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES

AMMANN INDIA

INDIAN DISTRIBUTION & SERVICE NETWORK

- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- SALES & SERVICE OFFICES
- WAREHOUSES
- TRAINING CENTRES
- DEALER NETWORK



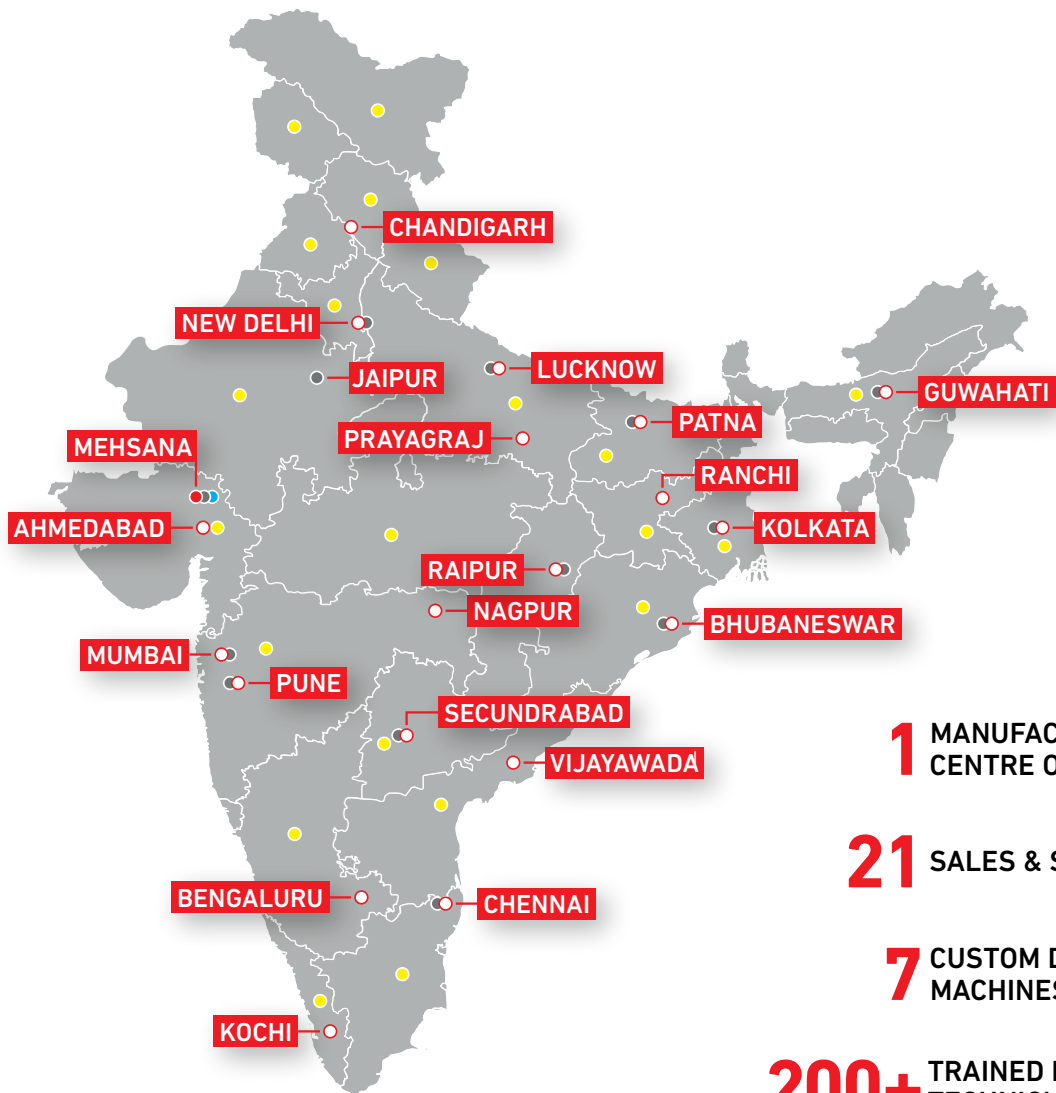
MACHINES

SOIL & ASPHALT COMPACTION
ASPHALT PAVERS



PLANT

ASPHALT-MIXING PLANTS
CONCRETE-BATCHING PLANTS



1 MANUFACTURING FACILITY & CENTRE OF COMPETENCE

21 SALES & SERVICE OFFICES

7 CUSTOM DESIGNED PACKAGES FOR MACHINES & PLANTS SUPPORT

200+ TRAINED ENGINEERS & TECHNICIANS ACROSS INDIA

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