



# ASPHALT MIXING PLANT

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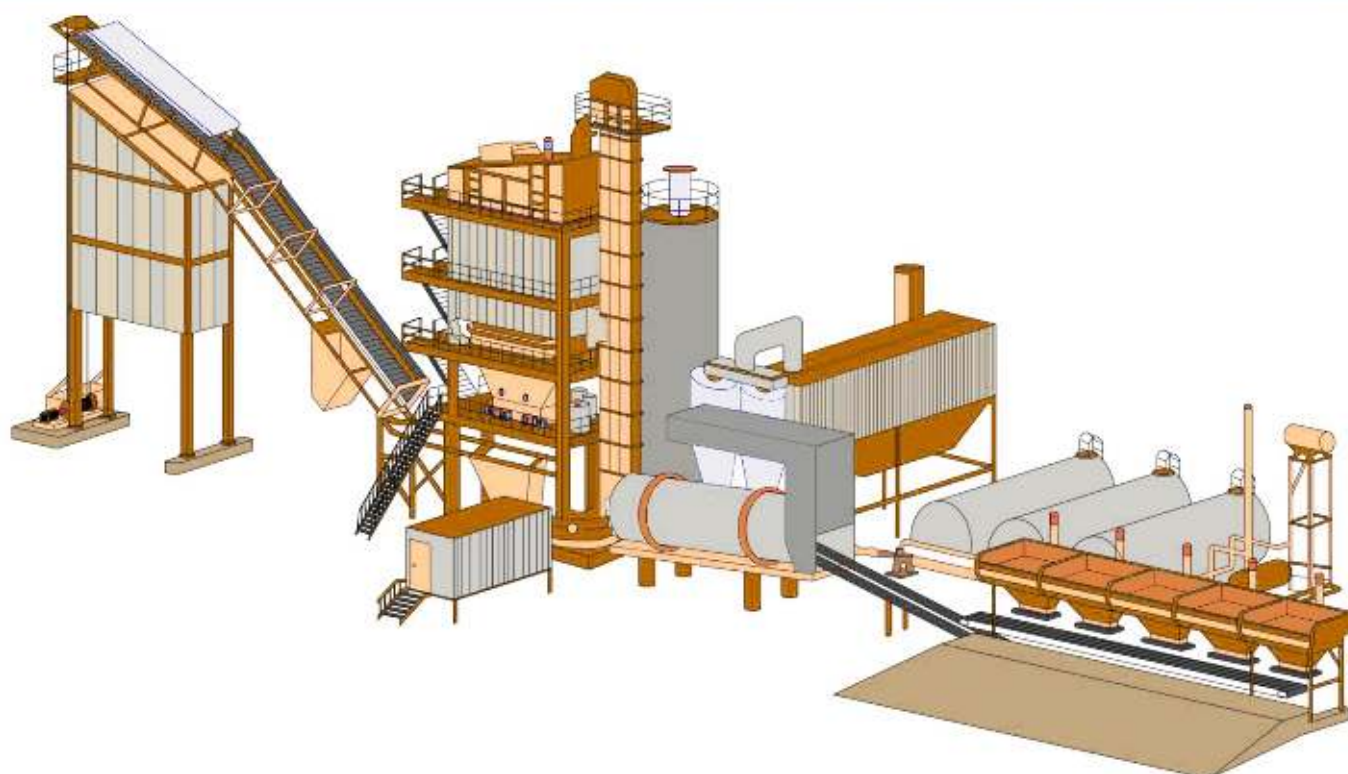
## TECHNICAL DATA

SPECIFICATION	AMP700-B	AMP1000-B	AMP1000-C	AMP1200-C	AMP1500-C	AMP2000-C	AMP3000-C	AMP4000-C	AMP5000-C
Capacity (TPH)	40-50	60-80	60-80	72-96	90-120	120-160	180-240	240-320	300-400
Mixer Capacity (kg/batch)	700	1000	1000	1200	1500	2000	3000	4000	5000
Total Power (kW)	161	175	280	300	330	475	628	857	991
Area Occupied (m <sup>2</sup> )	30x25 =750	35x30 =1050	35x30 =1050	38 x 32 =1216	40x34 =1360	45x36 =1620	50x38 =1900	55x40 =2200	68x40 =2720
Fuel Consumption (kg/t)	< 6.5								
Type of Fuel	Coal, Diesel Heavy Fuel Oil			Diesel, Heavy Fuel Oil					
Mixed Material (°C)	130-160								
Cumulative Accuracy of Aggregate Weigher	± 0.50%								
Accuracy of Asphalt Weigher	± 0.35%								
Accuracy of Filler Weigher	± 0.50%								
Accuracy of Mixed Material Temperature (°C)	± 5								
Noise Level [dB(A)] (surrounding)	≤ 85								
Type of Pollution Control	Venturi Wet Scrubber			Jet Pulse Bag House Filter					
Dust Emmission (mg/Nm <sup>3</sup> )	≤ 150			≤ 100					

### Note:

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## GENERAL LAYOUT





# MAJOR COMPONENTS



BITUMEN TANKS

Aesthetically designed with insulation to reduce heat loss. Polymer modified bitumen storage tanks are equipped with high shear stirrers for efficient mixing.



DRYER DRUM

With stainless steel cladding and insulated to prevent heat loss. It is trunnion driven with direct-drive motors.



CONTROL PANEL

Equipped with fully automatic batching and monitoring systems with level and temperature sensors and CCTV.



MIXED MATERIAL SILO

Rock wool insulated in the upper portion and hot oil heated in the lower portion to allow longer storage time.



AGGREGATES STORAGE HOPPERS

The speed of the belt feeders is accurately controlled by frequency inverters in the control room. No flow switches are installed to give signal to the operator in the event of blockage or run out of materials



PLUG & SOCKET CONNECTION

Allows quick and accurate assembling and dismantling.



HOT OIL HEATER

The thermal oil in the hot oil heater is heated by the highly efficient Baltur Burner from Italy. Temperature of the thermal oil is maintained within a preset range automatically. Return flow prevents damage during power failure.

The medium pressure, low noise burner allows fully automatic temperature control to reduce fuel consumption. Light or heavy fuel oil can be used.



MAIN BURNER



MIXER

Can be hot oil heated and insulated so that production using polymer-modified bitumen is possible.



WET PULSE BAGHOUSE FILTER

Pollution control ensures compliance with international environmental standards.



INTERNAL DRUM FLIGHTS

With this excellent design, heat efficiency is achieved resulting in low fuel consumption and higher capacity.



## PROJECT REFERENCES



SYLHET, BANGLADESH



BANDAR SERI BEGAWAN, BRUNEI



SABAH, MALAYSIA



BANDARAGAMA, SRI LANKA

**Nicol Asphalt Mixing Plants** are designed to provide reliable and affordable solutions to most infrastructure projects. It is a batch type asphalt plant manufactured by ISO-certified factory with EU certification and consistent quality standards. A wide range of models are available from AMP700 (40 - 50 tons per hour) to AMP5000 (300 - 400 tons per hour). It features the most up-to-date computer batching system with self-diagnostic capability, fuel efficient design and environmentally friendly pollution control system. With our proximity to our customers in the Asian region and our regional partners, we are able to provide timely installation, after-sales service and supply of spare parts.

QUALITY PRODUCTS • AFFORDABLE PRICES • RELIABLE AFTERSALES

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