

ASPHALT MIXING PLANT

- **MBW-AMP1000 (60-80 TPH)**
- **MBW-AMP800 (48-64 TPH)**



PT MELU BANGUN WIWEKA

ENGINEERING - MANUFACTURING - CONSTRUCTION

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Ahead through innovation



CERT NO: OHS-2015-0560
BS OHSAS 18001:2007



Certificate No.: Q56195

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MBW IN BRIEF

PT. Melu Bangun Wiweka (MBW) was established in Indonesia, April 20th, 1989. We were started with design and manufacturing Asphalt Mixing Plant (AMP). AMP have been used in many islands and provinces in Indonesia, from Aceh, Sumatera, Java, Kalimantan, Sulawesi, Maluku, Papua, etc. More than 180 units of AMP are produced and in operation until end of 2015. We have engineering center for supported by special software for developing and continuing improvement.

EASY OPERATION & SIMPLE CONTROL

MBW Asphalt Mixing Plant Fully Automatic (FA) control system allows the operator by a single push button and touch screen LCD to control the supply of predetermined batches of asphalt mixture in the required mixing ratio of each dump truck.

For Semi Automatic (SA) more economical unit, the weighing is operated manually but the mixing is done automatically. This system eliminates other complicated operations, which are a frequent source of troubles, reducing the cycle time. The interlock electrical control prevents the possibility of miss operation.

OUTSTANDING DURABILITY

The mixer is the double shaft pugmill type. The adoption of the circulation mixing system assures the uniform mixing within a short time even with the fine-grain composition. Liners and paddle tips of the mixer are made of "hard metal" and are the anti-abrasive steel, ensuring long life and durability, the parts are also easily replaceable.

HIGH PORTABILITY

The plant consists of many components, which may be separated easily into individual units so the user can save the time and the cost in transferring or setting up the plant at the field to the condition ready for operation.

PRODUCT SUPPORT IS A VITAL FACTOR

MBW supplies the best quality equipment and also has a special concern for the training of operators, mechanics and electricians to acquire the necessary skills to handle the plant. An after sales service such as spare parts and periodic visits to the site as a technical support and for a back up maintenance is provided for every unit supplied.



Console Desk c/w Touch Screen
HMI for all FA type



Weighing System



Pneumatic System



Mixer Unit



Dryer Unit



Modulating Control Burner



Fuel Tank, Exhasut Blower,
Dust Collector and Dryer



Wet Cyclon
Dust Collector



Conveyor System



Hot Oil Heater



2 x Bitument Storage 25000 Ltr for
AMP 1000

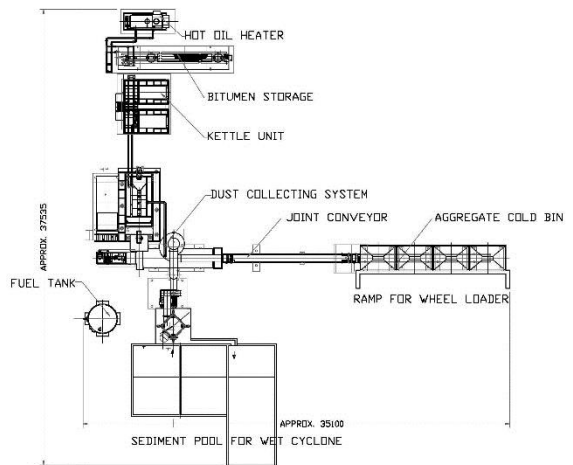
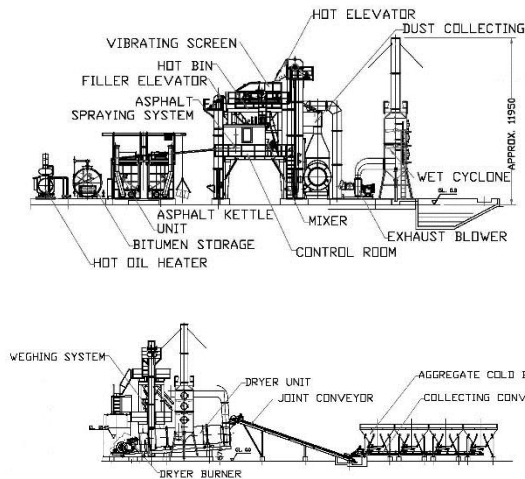


Good pavement in Cipali
Highway, West Java,
MBW's partner in progress



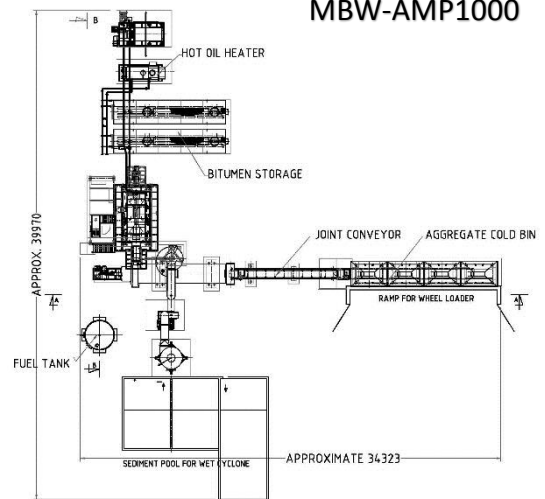
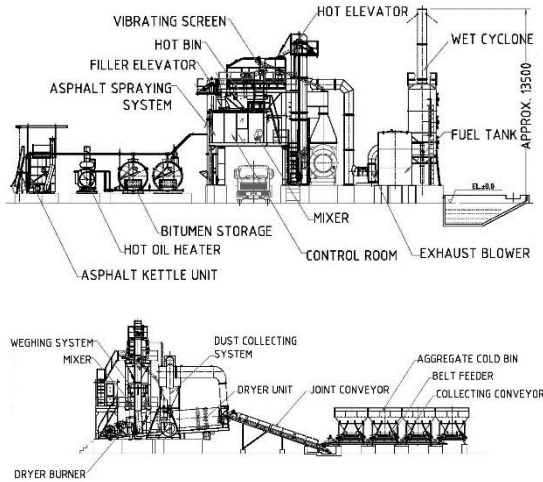
Fabrication comply
ISO 9001:2008

MBW-AMP800



Full option layout

MBW-AMP1000



Full option layout



AMP 1000 in Krung Mane, Aceh



AMP 800 in Pulau Moa, Maluku



AMP 800 in Tangguh, Papua



AMP 800 in Banjarmasin, Kalimantan Selatan



AMP 1000 in Cakung, Jakarta



AMP 1000 in Batang, Jawa Tengah

SPECIFICATION

			AMP 800 48-64 TPH	AMP 1000 60-80 TPH
1	COLD BIN Feeder Vibro motor on Bin-1 & 2 wall	Set x m ³ Set x Type (kW) Unit x kW	4 x 5 4 x Vibrating Feeder (0.25) 2 x 0.25	4 x 6 4 x Belt Feeder (1.5) 2 x 0.25
2	COLLECTING CONVEYOR	Ton/Hour (kW)	75 (1.5)	100 (2.2)
3	JOINT CONVEYOR	Ton/Hour (kW)	75 (4)	100 (5)
4	DRYER UNIT Diameter x Length	Ton/Hour (kW) mm x mm	75 (15) 1570 x 6000	100 (22) 1570 x 7200
5	DRYER BURNER Pump Blower	Liter/ton Liter/min (kW) kW	6-12 55 @ max. pressure 5 bar (2.2) 18.5	6-12 55 @ max. pressure 10 bar (2.2) 18.5
6	DUST COLLECTOR Diameter x Length Exhaust Fan Dust Screw Conveyor	mm x mm m ³ /min (kW) Ton/Hour (kW)	1800 x 3270 450 @150 mm Aq (30) 5 (0.75)	1800 x 3270 500 @150 mm Aq (37) 5 (0.75)
7	HOT ELEVATOR	Ton/Hour (kW)	75 (7.5)	100 (11)
8	VIBRATING SCREEN	Ton/Hour (kW)	4 fractions 75 (7.5)	4 fractions 100 (11)
9	HOT BIN	m ³	3.75	6.00
10	FILLER ELEVATOR	Ton/Hour (kW)	14 (2.2)	14 (2.2)
11	FILLER SCREW CONVEYOR	Ton/Hour (kW)	20 (0.75)	20 (0.75)
12	MIXER	Kg/Batch (kW)	Double pugmill; Wear resistance steel liner and paddle tip 800 (22)	Double pugmill; Wear resistance steel liner and paddle tip 1000 (2x15)
13	ASPHALT MELTING KETTLE Burner Hoist	Set x liter Liter/hour Kg	2 x 12000 21 500	1 x 12000 21 500
14	ASPHALT TRANSFER JACKETED PUMP	Liter/min (kW)	170-200 (5.5)	265-300 (7.5)
15	COMPRESSOR	Liter/min (kW)	626 (5.5)	1320 (7.5)
16	FUEL TANK	Liter	12000	12000
17	WEIGHING SYSTEM Weighing Controller Aggregate Filler Asphalt	Kg Kg Kg	Pneumatic operated gate Semi Automatic 800 150 100	Pneumatic operated gate Fully Automatic 1000 200 100
18	ASPHALT SPRAYING JACKETED PUMP	Liter/min (kW)	265-300 (7.5)	300-400 (11)
19	CONTROL ROOM Air Conditioner	mm x mm x mm PK	4500 x 1980 x 2250 (WxLxH) 1	6000 x 1980 x 2250 (WxLxH) 1.5
FULL OPTIONAL				
1	CONTROL SYSTEM		Fully Automation	Fully Automation
2	HOT OIL HEATER Burner Pump	Kcal/hour Liter/hour Liter/min (kW)	600000 85 330 (7.5)	600000 85 330 (7.5)
3	BITUMEN STORAGE	Set x liter	1 x 25000	2 x 25000
4	WET CYCLON Diameter Pump	mm Liter/min (kW)	1650 416 (3.7)	1950 416 (3.7)
5	ADDITIVE PUMP	Liter/min (kW)	21 (0.75)	21 (0.75)
	TOTAL POWER	KVA	250 (at 380 V; 3 Phase; 50 Hz)	300 (at 380 V; 3 Phase; 50 Hz)
Note: Performance based on 5% moisture contents				
The general specifications and rate of power are subject to change for improvement without notice				

Related products:

Asphalt Sprayer, Filler Silo c/w screw conveyor, Heater for Residual Oil, Coal Burner, Asphalt Buton Application Unit, Aggregate Blending, Bag Filter, AMP 300 (capacity 15-30 TPH), Batching Plant, etc