



# ROAD PRODUCTION PLANTS



## **DRUMMIX MOBILE ASPHALT PLANT**



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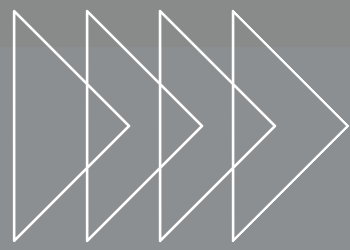


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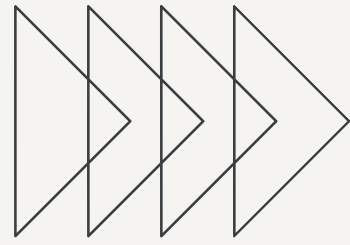
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# FUNCTIONS

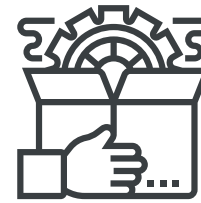


- **DRUMMIX MOBILE ASPHALT PLANT IS AN EASY TO TRANSPORT AND QUICK TO DEPLOY SYSTEM AT ANY PLACE THE CUSTOMER WANTS**
- **DRUMMIX HAS VARYING CAPACITY MODELS, NAMELY 80 / 120 / 160 TON/H**
- **DRUMMIX CONSISTENTLY PRODUCE EVEN WITH THE VARYING CAPACITY. IT PROVIDES ENERGY SAVING**
- **DRUMMIX, IN ADDITION TO ITS ERGONOMIC DESIGN, ITS CAPABILITY TO PRODUCE ACCURATE AND STABLE PRODUCTS, ALLOW END USER TO OBTAIN QUALITY AND QUICK PRODUCT MIXES**
- **THIS PRODUCT IS A NEW GENERATION MOBILE ASPHALT PLANT WHICH CAN BE EASILY TRANSPORTED ON TRAFFIC VIA ITS TOWING HARDWARE AND TO SETUP DEPLOY IN THE PLACE WHERE IT IS TOWED TO**

# DRYING AND MIXING DRUM



**DRYING DRUM HAS A SPECIAL CASCADE MECHANISM TO PASS THE MATERIAL THROUGH THE HOT STREAM OF AIR. BITUMEN AND FILLER ARE ADDED TO MIXING SECTION.**



**THERE ARE 4 ROTARY DRYING DRUMS, EACH DRIVEN BY A SEPARATE MOTOR WITH REDUCTION GEARS**



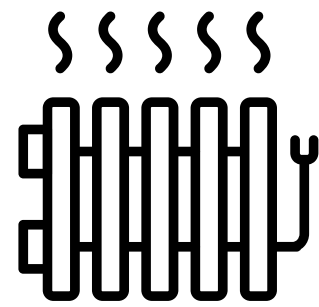
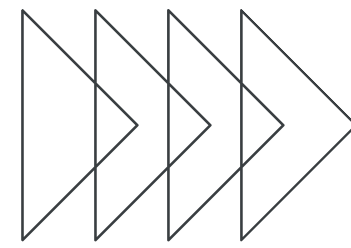
**AS A NEW GENERATION DESIGN, SPEED CONTROL INSTRUMENTS ARE NOT INTEGRATED INTO THE AUTOMATIC CONTROL SYSTEM**



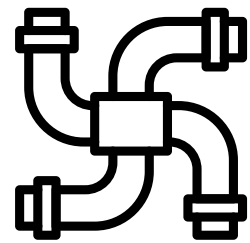
**THE INTERNAL BUCKETS OF THE DRYING DRUM CAN BE EASILY REMOVED AND INSTALLED THANKS TO A SPECIAL DESIGN. THE LONG MIXING SECTION ENSURES EXCELLENT QUALITY**



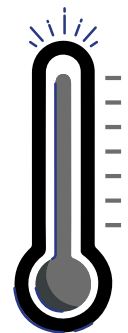
# BITUMEN SYSTEM



OPTIONS OF ELECTRICALLY, HOT OIL AND FLAME TUBE HEATING SYSTEM ARE SELECTED BY THE CUSTOMER AND ALL UNITS ARE TOWABLE TYPE UNITS. IT IS EASILY AND QUICKLY INSTALLED ON THE PLANT AND DEPLOYED



ALL PIPING ARE HEATED AND BITUMEN QUANTITY IS AUTOMATICALLY CONTROLLED BY MEANS OF MASS FLOW METER



THE TEMPERATURE OF THE MIXTURE IS MEASURED WITH PRECISE AND STABLE INFRARED THERMOMETER AND USED FOR AUTOMATIC (PID) CONTROL



# CHAIN ELEVATOR FOR TRUCK LOADING



THE MIXED MATERIAL IS TRANSFERRED THROUGH A CHAIN CONVEYOR TO LOAD THE SAME ONTO A TRUCK BED. STOCK FUNNEL WITH PNEUMATICALLY CONTROLLED LID, ALLOWS ADEQUATE TIME TO LOAD THE TRUCKS INCESSANTLY

# WET TYPE DUST COLLECTOR



WHERE EMISSION REGULATIONS ARE NOT SEVERE, WET TYPE COLLECTOR OPTION CAN BE OFFERED. THE COARSE DUST PASS THROUGH A WATER SPRAY AND THEN A CYCLONE TOGETHER WITH FINE DUST PARTICLES. THE RESULTANT WASTE IS TRANSFERRED TO A COLLECTION PIT

# OPTIONALLY DRY TYPE DUST COLLECTOR



AIR LADEN WITH DUST CAN BE FILTERED WITH FABRIC (NOMEX) BAG FILTERS, IF LEGISLATION REQUIRES IT. THE EXHAUST FAN INSTALLED ON THE MAIN FRAME, SUCKS THE AIR THROUGH SPECIALLY DESIGNED FABRIC BAG FILTERS. THE COLLECTED THUS (I.E. FILLER) IS TRANSFERED BACK TO MIXING SECTION OF THE DRUM



# TECHNICAL CHART



CAPACITY	T/H	80	120	160
<b>AGGREGATE FEEDING UNIT</b>				
HOPPER CAPACITY	M3	10	10	10
THE NUMBER OF HOPPER	PIECE	3	4	4
OPENING THE HOPPER FEED	M	3	3	3,5
THE LENGTH OF THE DOSING STRIP	M	1,7	1,7	1,7
THE WIDTH OF THE DOSING BELT	MM	500	500	650
THE DRIVE POWER OF THE DOSING BELT	KW	2,2	2,2	2,2
THE VIBRATION ENGINE		YES	YES	YES
THE TOTAL POWER OF THE CONVEYOR DRIVE	MM	4	5	7,5
THE TOTAL WIDTH OF THE CONVEYOR	KW	650	650	750



# TECHNICAL CHART



<b>CAPACITY</b>	<b>T/H</b>	<b>80</b>	<b>120</b>	<b>160</b>
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## THE DRYER & MIXER DRUM

<b>DRYER DRUM DIAMETER</b>	<b>MM</b>	<b>1,5</b>	<b>1,75</b>	<b>2</b>
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<b>DRYER DRUM LENGTH</b>	<b>KW</b>	<b>7</b>	<b>8</b>	<b>9</b>
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<b>THE TOTAL DRIVE POWER OF THE DRYER</b>	<b>M</b>	<b>4X5,5</b>	<b>4X7,5</b>	<b>4X11</b>
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## AERATION

<b>TOTAL AIR REQUIREMENT</b>	<b>M3/H</b>	<b>22,5</b>	<b>30</b>	<b>45</b>
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## BURNER

<b>BURNER TYPE</b>		<b>IBR5GR</b>	<b>IBR7GR</b>	<b>IBR9GR</b>
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<b>THE CAPACITY</b>	<b>1/HR</b>	<b>850</b>	<b>1180</b>	<b>1680</b>
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# TECHNICAL CHART



<b>CAPACITY</b>	<b>T/H</b>	<b>80</b>	<b>120</b>	<b>160</b>
		<b>DRAGSLAT</b>		
<b>THE WIDTH</b>	<b>MM</b>	<b>400</b>	<b>400</b>	<b>500</b>
<b>HIS CAPACITY</b>	<b>TPH</b>	<b>90</b>	<b>130</b>	<b>180</b>
<b>DRIVE POWER</b>	<b>KW</b>	<b>7,5</b>	<b>11</b>	<b>18</b>
<b>THE CAPACITY OF THE FINISHED PRODUCTS SILO</b>	<b>T</b>	<b>3</b>	<b>3</b>	<b>3</b>



## THE DRY OR WET DUST COLLECTION SYSTEM

<b>THE FILTERING AREA</b>	<b>SQ/M</b>	<b>260</b>	<b>347</b>	<b>587</b>
<b>FILTRATION AIR VELOCITY</b>	<b>M/MIN</b>	<b>1,44</b>	<b>1,44</b>	<b>1,4</b>
<b>DRY FILTER CHIMNEY FAN DRIVE POWER</b>	<b>KW</b>	<b>30</b>	<b>45</b>	<b>75</b>
<b>FAN DRIVE POWER FROM CHIMNEY TO WET FILTER</b>	<b>KW</b>	<b>55</b>	<b>75</b>	<b>90</b>



# TECHNICAL CHART



<b>CAPACITY</b>	<b>T/H</b>	<b>80</b>	<b>120</b>	<b>160</b>
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## BITUMEN TANK AND HEATING SYSTEM

<b>BITUMEN TANK CAPACITY</b>	<b>M3</b>	<b>50</b>	<b>50</b>	<b>50</b>
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<b>THE BOILING OIL HEATING ZONE</b>	<b>M2</b>	<b>44</b>	<b>44</b>	<b>44</b>
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<b>THE HEATING CAPACITY OF BOILING OIL</b>	<b>KW</b>	<b>581</b>	<b>581</b>	<b>581</b>
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<b>THE POWER OF THE CIRCULATION PUMP</b>	<b>KW</b>	<b>15</b>	<b>15</b>	<b>15</b>
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<b>THE POWER OF ELECTRIC HEATING</b>	<b>KW</b>	<b>4X15</b>	<b>4X15</b>	<b>4X15</b>
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<b>THE HEATING ZONE WITH COIL</b>	<b>M2</b>	<b>40</b>	<b>40</b>	<b>40</b>
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