



# SPEEDCRAFTS

ASPHALT & CONCRETE EQUIPMENT



*Manufactured Under  
Technical Collaboration  
with M/s Bernardi Impianti, Italy*



AN ISO 9001  
CERTIFIED COMPANY

## ASPHALT BATCH MIX PLANT

80 TPH, 110 TPH, 150 TPH, 175 TPH, 200 TPH, 260 TPH

# SPEEDCRAFTS

Bernardi Impianti International, an Italian company manufacturing asphalt plants since about 60 years, and Speedcrafts Limited, a renowned Indian manufacturer of Asphalt Drum Mix Plants, Concrete Batching Plants, Pavers, Rollers, Bitumen Sprayers, Road Sweepers etc., signed a license agreement for the manufacture of Asphalt Batching Plants in India based on design and technology from Bernardi.

With this cooperation starts another chapter in the diversification and growth path of Speedcrafts. Our state-of-art Asphalt Batching Plants will exceed all customer expectations with their:

- User friendly controls
- Fast & easy installation and start-up
- Low maintenance costs
- Excellent fuel efficiency





## *Dryer Drum*

Is designed for longer life. Proven flight design ensures a perfect distribution of material to be dried. Positive drive is provided by means of a ring gear, coupled to a pinion driven by an inverter-controlled geared motor. The drum is guided through two rolling steel rings on 4 rollers with bearings mounted on a sturdy main frame.



## *Burner*

Our universal burners work with either diesel or heavy oil. Special heated adjustable cam is provided to regulate the flame length. A gate with control screw enables the flame to be enlarged or reduced.



# SPEEDCRAFTS

# SPEEDCRAFTS



## *Batching Tower*

Is fully automatic to offer the best guarantee in terms of product quality. The operator can choose all the required process parameters and all components of the tower will become automatically set to obtain the requested product. The main units of the tower such as elevator, screen, hot aggregate storage bins and mixer are designed for long life, low maintenance and reliability.



## *Cold Feed Bins*

Plants are provided with abrasion resistant cold feed bins. Bins have self-relieving bottom opening, which eliminates bridging of the feeders. Each bin is provided with variable speed inverter drive through geared motor.





## *Control Unit*

Computerised Controls are provided for burner, temperature, damper, emergency plant shut down, sequential start and stop, etc. The display shows production TPH, Aggregate TPH, Asphalt TPH & Mix Temperature. Daily production datas can be printed out for records. All controls are mounted on a centralised control panel inside the Control Room.



## *Bag House Filter*

Bag house filters remove the dust from the dryer's exhaust and comply with the most severe environmental regulations. They are fitted with safety devices for temperature control and automatic counter-flow cleaning through main exhauster and complete system for recovery and re-use of filler.



**SPEEDCRAFTS**

## Technical Specification

PLANT MODEL			BS 80	BS 110	BS 150	BS 175	BS 200	BS 260
	Plant Capacity *	tph	80	110	150	175	200	260
<b>COLD FEED BINS</b>								
	Number		4 / 5	4 / 5	4 / 5	4 / 5 / 6	4 / 5 / 6	4 / 5 / 6
	Capacity	cum	13	13	13	17	17	21
<b>DRYER DRUM</b>								
	L x D	mm	8000 x 1500	8000 x 1750	8000 x 2000	9000 x 2200	9000 x 2200	9000 x 2500
	Drive Type		Gear Drive with Pinion / Ring - 4W Idle Rolls					
Burner	Type		High Pressure, Fully Automatic, Modulating					
	Fuel		Heavy Oil / Diesel					
	Power	MW	6.8	9.1	12.5	14.2	14.2	19.3
<b>BATCHING TOWER</b>								
Screening	Method		Inclined Circular Vibration					
	No. of Selections		4 + DIR	4 / 5 + DIR	4 / 5 + DIR	4 / 5 + DIR	4 / 5 + DIR	4 / 5 + DIR
Hot Aggregate Bin	Number		4	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
	Capacity	cum	5	10	10	12	25	50
Mixer	Type		Twin Shaft, Hot Oil Jacketed					
	Volume	lt	1000	1380	1820	2120	2400	3240
	Batch Size	kg	900	1225	1670	1950	2225	2950
	Cycle Time	sec	40	40	40	40	40	40
<b>POLLUTION CONTROL UNIT</b>								
	Type		Bag House filter					
	Filter Area	sqm	385	550	660	715	715	935
<b>CONTROL UNIT</b>								
	Type		Fully Computerized					
<b>ACCESSORIES</b>								
Filler silo	Capacity	cum	16 / 25 / 40	16 / 25 / 40	16 / 25 / 40	16 / 25 / 40	16 / 25 / 40	16 / 25 / 40
Bitumen Tanks		cum	1 / 50	1 / 50	2 / 50	2 / 50	3 / 50	3 / 50
	Heating System		Thermal Oil Heating					
Thermal Oil Heater	Capacity	kcal / hr	250,000	250,000	400,000	400,000	400,000	400,000
Hot Mix Storage Silo	Capacity	cum	20 + 20	20 + 20	20 + 20	20 + 20	20 + 20	20 + 20
	or				25 + 25	25 + 25	25 + 25	25 + 25
	or					30 + 30	30 + 30	30 + 30
	or						35 + 35	35 + 35

\* Capacity at 3% moisture content

Due to our policy of continuous improvement, the technical data mentioned in this entire catalogue is not binding and subject to change without notice.



### Bitumen Tank

Tanks are insulated with rock-wool, available in horizontal type and heated by thermal oil with automatic temperature adjustment. Suitable valves to control the charge, transfer and discharge of bitumen among tanks are provided.

# *Global Installations*





# SPEEDCRAFTS

ASPHALT & CONCRETE EQUIPMENT

[www.speedcrafts.com](http://www.speedcrafts.com)

[www.speedcrafts.net](http://www.speedcrafts.net)

## SPEEDCRAFTS LIMITED

### MARKETING HEADQUARTERS

'Unitech Business Zone'  
Tower C, Unit No. 804  
Nirvana Country, Sector 50  
Gurgaon - 122 001, (Delhi NCR)  
Tel : 0091-124-2219968  
Fax : 0091-124-2219928

### CORPORATE OFFICE

'Layak Bhawan'  
Boring Canal Road  
Patna - 800 001, Bihar  
Tel : 0091-612-2534514 / 2520914  
Fax : 0091-612-2527029

### REGIONAL OFFICE

'Neelamber Building'  
Flat No. 5F, 5<sup>th</sup> Floor  
28-B, Shakespeare Sarani  
Kolkata - 700 017, West Bengal  
Tel : 0091-33-22804458  
Fax : 0091-33-22905390

### MANUFACTURING UNITS

#### UNIT - I

Plot No.1A, Sector-7, IIE (SIDCUL)  
Hardwar, Uttrakhand, India

#### UNIT - II

Layak Enclaves, Sahay Nagar  
Phulwarisharif, Patna, Bihar, India

CIN : U34100BR1971PLC000904



- ★ MARKETING HEADQUARTERS
- CORPORATE OFFICE
- ▲ WORKS (MANUFACTURING FACILITY)



Modern Manufacturing Facility

[info@speedcrafts.com](mailto:info@speedcrafts.com)

[www.speedcrafts.net](http://www.speedcrafts.net)