

Hi-Tech Asphalt Solutions, Inc.



5113 Pole Green Road
Mechanicsville, VA 23116

Tel: U.S.A. (804) 779-4871
Fax: U.S.A. (804) 779-3277



CM 4000 – A

Gravimetric Metering Machine

SASOBIT[®]
Asphalt Technology

STANDARD FEATURES AND BENEFITS

Mechanical

- Large 105 cu./ft. hopper capacity for Sasobit storage.
- Modular design with access panels for quick troubleshooting and maintenance.
- Slow speed or intermittent actuated positive feeding 'scalping augers.' This feature provides a non-bridging, live bottom hopper with variable conditioning capabilities.
- Large 20" X 12" quick release airlock or venturi eductor provides the versatility to adapt to a wide range of speeds to feed Sasobit.
- High torque motor/reducer drives provide independent control of metering and conditioning components.
- #50 nickel plated chain and hardened sprockets, are rugged, corrosion resistant, and positive driving.
- 10 hp. positive displacement blower with check valve and protection filter/silencer.
- 250 ft. remote cord w/cord hanger, offers convenient handling of remote controller and cord.
- Convenient fold out loading tray provides access for side loading of smaller containers and top loading of bulk containers.
- Quick release actuating of hopper cover providing protection from the weather elements.
- Skid mounted frame with slots for wind guards (to be installed at customer's discretion) provides easy handling, onsite setup, and protection of the "live weigh area" from outside disturbances.

Electrical

- Safety Features: main disconnect, kill switch, pre-alarm buzzer, and manual override, promoting increased operator safety and quick hazard response.
- Manual thermal overload protection of all motors and electrical components.
- 3 – phase 480 volt, 30 amp. power supply required.
- See gravimetric controller features on reverse side.

Hi-Tech Asphalt Solutions, Inc.



5113 Pole Green Road
Mechanicsville, VA 23116

Tel: U.S.A. (804) 779-4871
Fax: U.S.A. (804) 779-3277

SPECIFICATIONS

Weight

4,000 lbs.

Dimensions

104" L x 36" W x 92" H

Hopper Capacity

105 cu./ft

Blower Options

* 10 hp. positive displacement
blower. (350 CFM @ 5 psi)

Power Requirements

480 volt, 3-phase, 60 hz. 30 amp.

Airlock

20" long x 12" diameter
4" output for blowing hose

or

Venturi

3" to 6" (product dependent)

GRAVIMETRIC CONTROL SYSTEM

- Rate of Sasobit will be tied into plant computer so rate varies automatically with plant rate changes.
 - Prevents human error forgetting or incorrectly programming Sasobit feed rate.
- Computer input of desired or specified target rates for Sasobit feeding.
 - Accuracy and elimination of human error
- Computer monitoring in 3 second increments, verifying the adjustment of equipment mechanical components.
 - Compensates for head pressure, uneven loading, product density variations, material bridging
- Digital or graphic visual display for operator or DOT to confirm Sasobit feed rate and Sasobit dispensed.
- Load cell calibration and verification can occur at any time to confirm accuracy of measurement.
- Feed hopper – low level and refill alarm.

