

OPTILOAD

The No Motor Loader

Brought to you by: 

EFFICIENT LOADING

Quickly and efficiently conveys virgin or regrind material to the molding machine

STURDY AND LIGHTWEIGHT

Hopper constructed from brushed stainless steel material

EASY TO INSTALL

Just supply compressed air and electrical power and you're ready to load

FULLY AUTOMATIC

A material sensor starts and stops the conveyance of material automatically

QUIET

Motor less design results in quiet material loading with no motor brushes to replace

RELIABLE SERVICE

Service, manuals and spare parts available at our website:
www.optitemp.com



Shown with optional sight glass

Find your loading solution today at:

PO Box 5246
Traverse City, MI 49686
Ph: 231-946-2931
Fax: 231-946-0128

E-mail: information@optitemp.com

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www.optitemp.com

Doc# D003319 Rev. A

OPTILOAD

by  **OPTITEMP**

OTL-1 SINGLE ENTRY LOADER

- 1-1/4" venturi material loader and 20" wand
- Single entry hopper design
- 1000#/hr maximum material through-put capability
- Multiple options for your loading application
- 120V and 220V, 60Hz and 50Hz electrical configurations
- Adjustable air control
- Material sensor
- (1) 10' material and (1) 10' air hose included (additional length available)



OTL-2 DUAL ENTRY LOADER

- Two 1-1/4" venturi material loaders and two 20" wands
- Dual entry hopper design
- 2000#/hr maximum material through-put capability
- Multiple options for your loading application
- 120VAC and 220VAC, 60Hz and 50Hz electrical configurations
- Two adjustable air controls
- Material sensor
- (2) 10' material and (2) 10' air hose included (additional length available)



OTLM-1 SINGLE ENTRY MICRO LOADER

- 1-1/4" venturi material loader and 20" wand
- Micro hopper designed to convey clean material
- 25#/hr maximum material through-put capability
- Small envelope ideal for tight locations
- 120V and 220V, 60Hz and 50Hz electrical configurations
- Adjustable air control
- Material sensor
- (1) 10' material and (1) 10' air hose included (additional length available)



OTL-G GRANULATOR EXHAUST LOADER

- 1-1/4" venturi material loader and 20" wand
- 1000#/hr maximum material through-put capability
- Multiple options for your loading application
- 120V and 220V, 60Hz and 50Hz electrical configurations
- Adjustable air control
- On/off switch
- (1) 10' material and (1) 10' air hose included (additional length available)



OPTILOAD OPTIONS

Sight Glass

- Provides visual indication that material is at the machine
- Reduces the amount of material at the machine for quick material change time
- Equipped with material level sensor mount bracket



OPTI-ALERT - Visual or Audible & Visual

- Direct acting option for early warning of a low material bin
- Reverse acting option for early detection of a full granulator bin
- Two output options: “visual” or “audible & visual” alarm
- Out of material option available which triggers an audible alarm



Bullet Magnet

- Magnetic safely traps loose ferrous metal in the material stream before it has a chance to reach the machine
- Unique design prevents accidental release of ferrous materials into the machine
- Provides visual indication of trapped ferrous objects



Remote Filter

- Ideal for easy filter replacement or cleaning at machine level
- Transports dust to remote location away from the machine



OPTILOAD OPTIONS

Bag Filter

- Ideal for dusty virgin or regrind or material loading
- Reusable/washable bag
- Compatible on OTL-1, OTL-2 and OTL-G series loaders
- Customize and cut to desired length



Remote Bag Filter

- Ideal for dusty virgin or regrind or material loading
- Washable bag
- Compatible on OTL-1, OTL-2 and OTL-G series loaders
- Easy filter replacement or cleaning at machine level
- Transports dust to remote location away from the machine



Suction Box

- Easy to clean stainless steel suction box
- Universal design can be modified to attach to your drying hopper, bin or other material storage device
- Coupler for all OPTILOAD equipment
- Multiple outlet ports available (contact factory)



Granulator Exhaust Assembly

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- Universal design can be modified to adapt to any granulator box
- Coupler for all OPTILOAD equipment
- Rugged stainless steel construction



REPLACEMENT PARTS

Suction Wand

- 1-1/4" standard air venturi, optional sizes available
- Lightweight aluminum construction
- 20" standard length, optional lengths available



Air Controls

- Multiple options available:
 - Load timer for continuous loading after the material sensor is met for a specified time frame
 - Out of material alarm
- Simple design with dependable solenoid valves
- Adjustable air control knob



Material Sensor

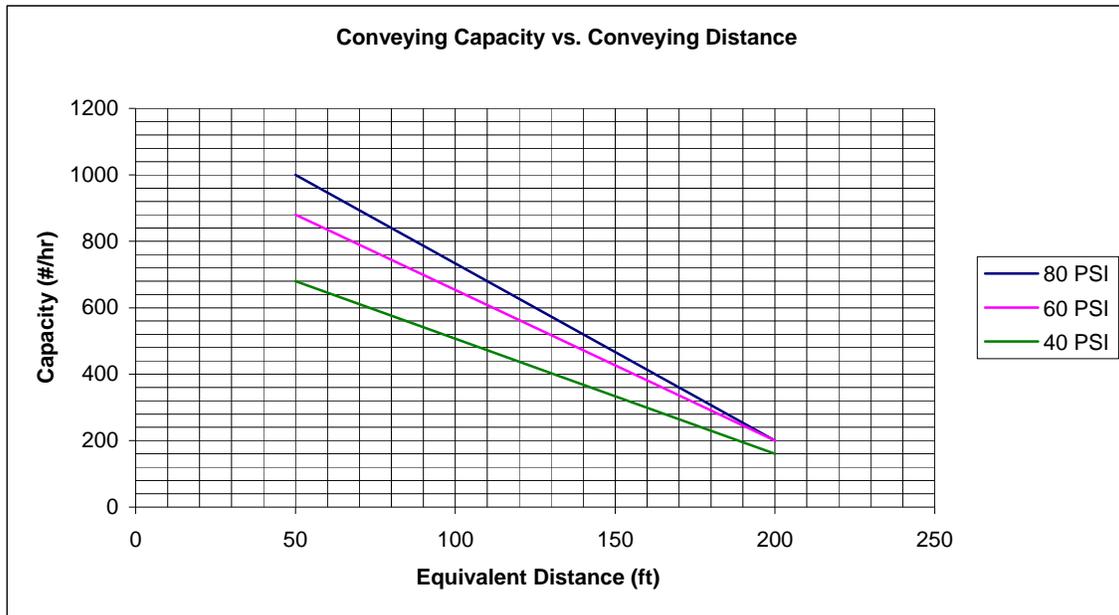
- Capacitive level switch
- Automatic adjustment to the medium being detected
- Rated for up to 230°F (110°C) HIGH TEMPERATURE
- Easy to program



SPECIFICATIONS

Model		OTL-1	OTL-2	OTLM-1	OTL-G
Compressed Air Line	SCFM	14	28	14	14
	PSI	80	80	80	80
	inch	3/8	3/8	3/8	3/8
Material Line	inch	1-1/4	1-1/4	1-1/4	1-1/4
Electrical	V/ph/Hz	120/1/60	120/1/60	120/1/60	120/1/60
Dimensions(2)	inch	8.25 Dia. X 18.5 H	8.25 Dia. X 18.5 H	3.5 Dia. X 17.25 H	8.25 Dia. X 18.5 H
Weight(3)	lb	22.0	22.0	16.5	22.0

(1) As a result of continuous improvement efforts, specifications are subject to change without notice or liability. (2) Dimensions for hopper and filter assemblies without sight glass. (3) Standard unit weight unit.



Equivalent distance calculated using the following:

1' horizontal pipe = 1' equivalent distance

1' vertical pipe = 2' equivalent distance

90° pipe bend = 10' equivalent distance

1' hose = 4' equivalent distance

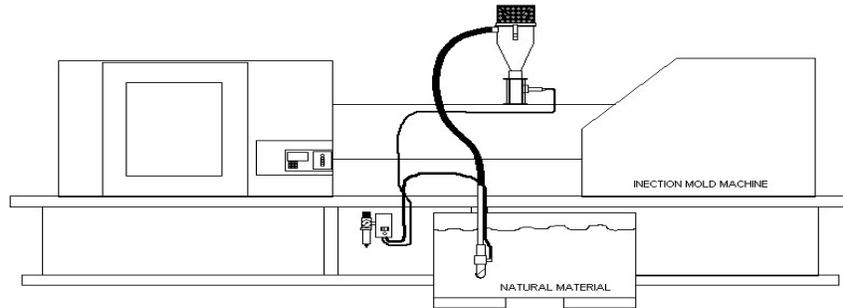
35#/ft³ material

Standard unit represents 50' equivalent distance

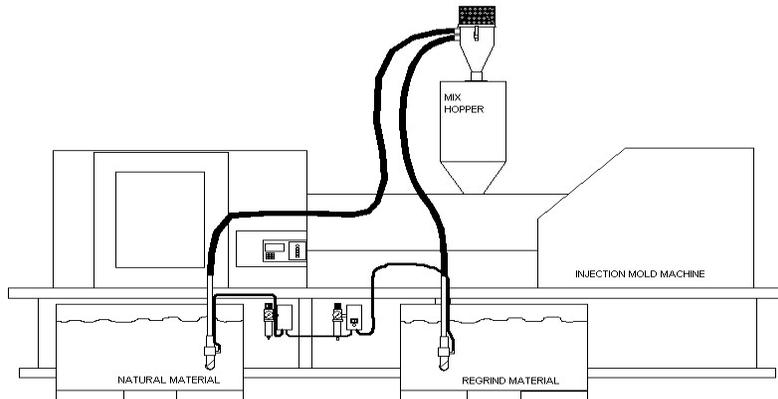
200' equivalent distance was 90' horizontal pipe, 20' material hose and 3 90° pipe bends

INSTALLATION ARRANGEMENTS

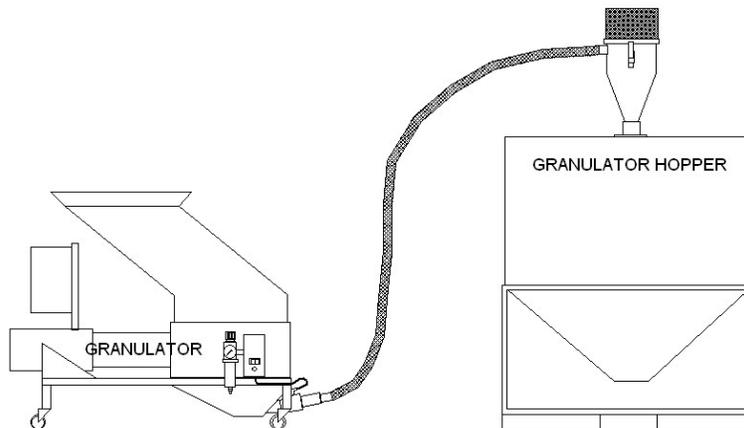
Single Entry Loader



Dual Entry Loader



Granulator Loader



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