

MINILUX® AUTOMATIC BAG SLITTER



=LUXME=[®]
Bag Slitters & Tubular Chain Conveyors

Innovation & Experience!



COMPANY PROFILE

Luxme International Ltd. is a committed customer-oriented company which has extensive experience in solids handling systems.

The company operates primarily in manufacturing, mining, chemical, pharmaceutical and food industries. We engineer and manufacture complete systems to meet individual customer needs at very competitive prices.

Prior to delivery we invite our clients to witness the purchased equipment in operation at our manufacturing facility. They are given the necessary training to achieve the maximum potential from our products.

Luxme International's in-house development and research, along with our collaboration with companies worldwide, allow for us to maintain our competitive edge, by not only improving existing machines but also by developing new equipment.

Luxme offers customers the opportunity of testing their product in our Tubular Chain Conveyors, Automatic Bag Openers, and other ancillary equipment manufactured by Luxme. The test laboratory is equipped with different types of loop arrangements with variable chain speed capabilities for each equipment and offers a dust free environment complete with different types of brush

assemblies and different types of valves operating in closed loops for lengthy re-circulation, so that the customer can watch the effects of their product being continuously conveyed for a period of many hours, while supplying only one or two drums of product. This provides a customer with an accurate method of determining conveying reliability and efficiency.

Our reputation is a testimony to Luxme products receiving international recognition and enjoying global success.

STANDARD TECHNICAL SPECIFICATIONS

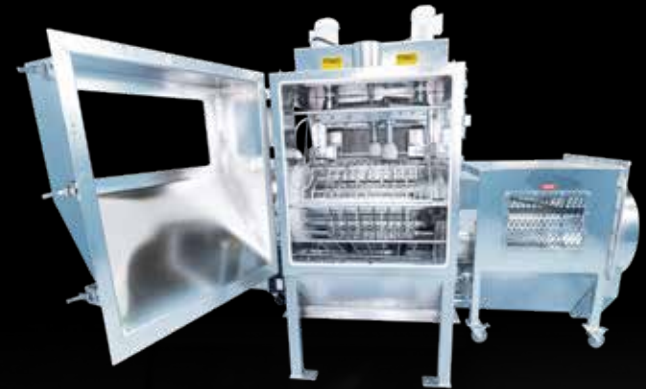
| | |
|-----------------------------|--|
| Maximum bag Size: | 20 in. wide x 36 in. long X 10 in. high |
| Bag Weights: | 15 lbs to 50 lbs |
| Bag Construction: | Multi-ply Kraft paper with plastic inner liners & Plastic bags |
| Material Handled: | Loose powder and granular. |
| Throughput: | 5 - 6 bags per minute |
| Empty Bags: | 10 - 12 bags/foot for compaction and disposal waste bag |
| Equipment Standards: | Manufactured in compliance with O.S.H.A., A.N.S.I., N.E.C., standards using North American parts and hardware. |

POWER CONSUMPTION

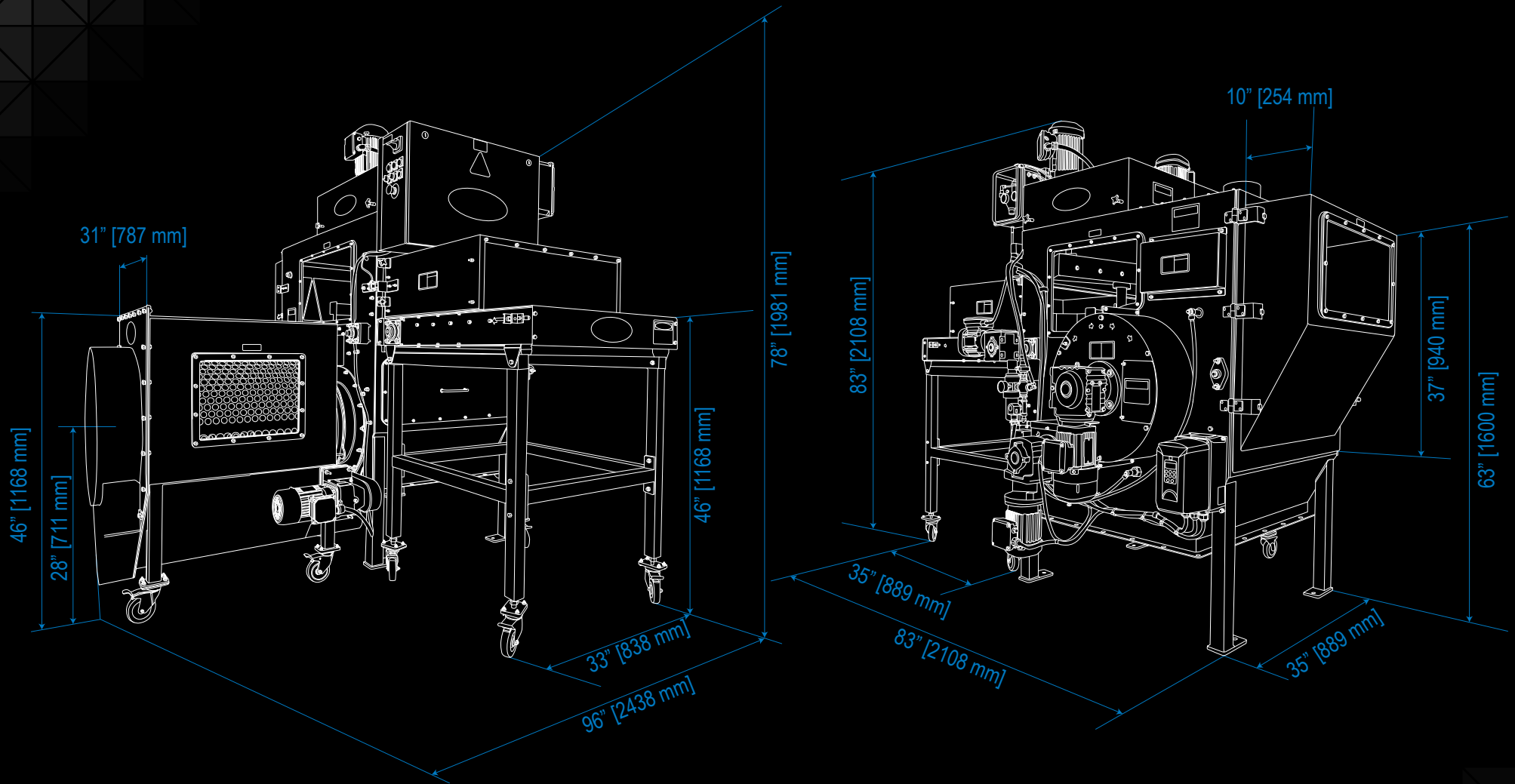
ELECTRIC MOTORS

H.P.

| | |
|---|-----------|
| • Spike Wheel | 1/2 |
| • Rotatory Knives (Two) | 1.0 |
| • Extruder for Compaction of Empty Bags | 1/2 - 2.0 |

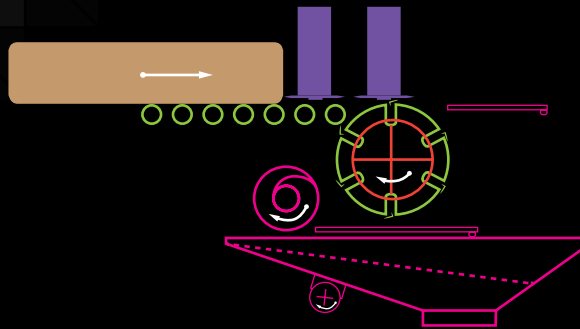


DIMENSION SHEET



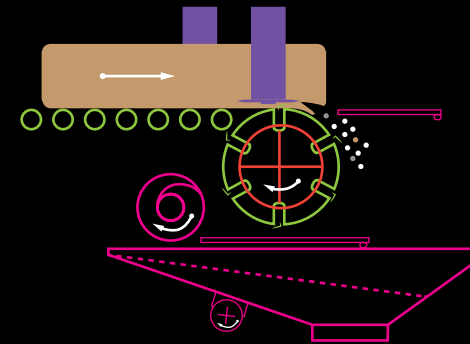
MINILUX - AUTOMATIC BAG SLITTER

SEQUENCE OF OPERATION



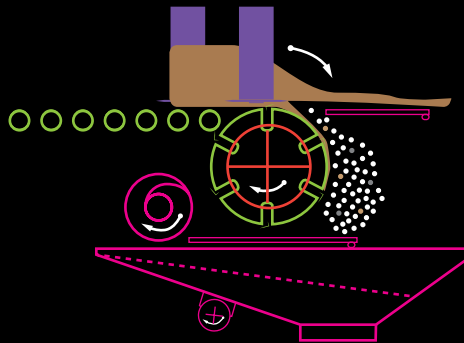
1 FEEDING

Operator/Robot loads the bags onto the infeed conveyor which conveys the bags to the retractable spike wheel where the bags are spiked and held in position during the sitting cycle.



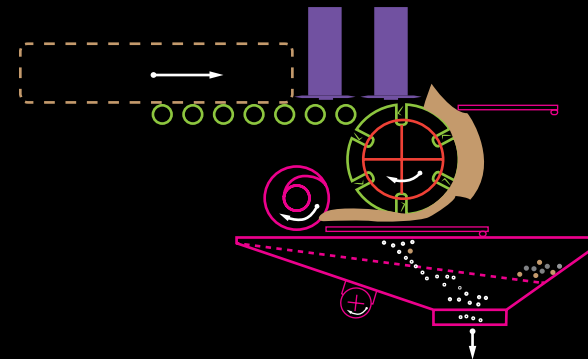
2 SLITTING

Two rotary cutting blades automatically adjust to the different bag sizes and neatly slit the bag on three sides for a thorough gravity discharge of the product.



3 PRODUCT DISCHARGE

The bottom of the bag is firmly held by the spikes and drawn around and under the spike wheel in one long sheet. In the process, the bag is turned inside out and the product discharged by gravity.



4 SIFTING AND COMPACTION

Any residue clinging from the bag is removed by a blast of air. Oversized foreign particles are sifted on a fine mesh screen in the collection hopper, which is vibrated a high frequency. Spikes are retracted and the empty bag extruded via the compactor, into a dust free, plastic waste receiving bag.

MACHINE FEATURES

STANDARD FEATURES

The Minilux® Automatic Bag Slitter incorporates the following unique features as part of our standard supply:

- » Infeed roller conveyor.
- » Retractable spikes, thrust into the bag, ensure that the bags are securely held in place on the wheel.
- » Spike wheel is driven by an independent motor.
- » Slitting action of the blades provide shred-free opening of bags.
- » Following the slitting and gravity discharge cycle, empty bags are separated from the product.
- » Empty bags are extruded into a dust free plastic waste receiving bag for compaction and disposal.

OPTIONAL FEATURES

The following optional features are available:

- » Integral dust filter and exhaust fan.
- » Automatic Infeed Belt Conveyor.



DESIGN AND PERFORMANCE

All Luxme products developed over a number of years, enjoy worldwide reputation for proven reliability as vouched for by customer preference over other machines for similar functional operations. Complete systems with the machines and automated controls are all engineered, manufactured, assembled at our Montreal Plant and tested in the presence of Purchasing Officials before delivery.





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