

Big Bag Massage System



Objectives: to prepare and break agglomerated lump before the discharge

The massage system prepares the big bag before the discharge process. Once the big bag is inside the cage, it is massaged by several pairs of cylinders (until 8 pairs/16 cylinders depending on options). Pneumatic or hydraulic cylinders help to break the agglomerated material into the big bag and facilitate its emptying process through the spout. Several massage programs are available according to the loading in order to ensure the treatment of the entire big bag volume. The protection screen enables a safety functioning of the installation.

TECHNICAL SPECIFICATIONS

Manufacturing: mild steel, 304L stainless steel, 316L stainless steel

Finishes: RAL 9006, microblasted, electropolishing

Compressed air consumption: 1.2 Nm³/hr.

Service pressure: 6 bar

Input TOR: 16

Output TOR: 6

Cylinders control by a laser sensor to avoid big bag packaging damage

Maximum dimensions of big bags

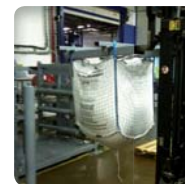
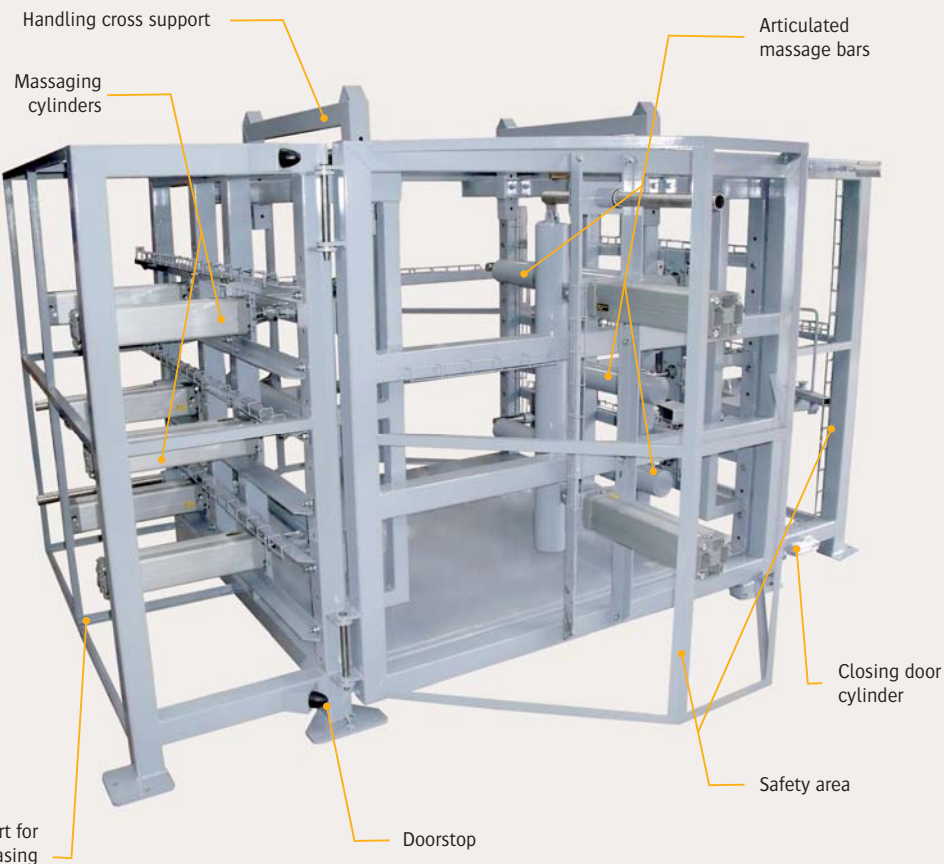
Length x Width x Height: 1.300 x 1.300 x 2.000 mm

Action in the heart of the big bag with distribution of effort on to each sidewall of the big bag

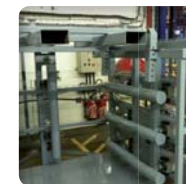
OPERATING SEQUENCE

AVERAGE TIME OF A COMPLETE CYCLE: 5 MIN

1. The big bag is placed on the handling cross
2. The bag hanger is lifted up by a forklift or a hoist
3. The big bag is positioned into the cage
4. Massage cycle starting by elevating the big bag (with hoist or elevator table)
5. End of the cycle and door opening
6. Big bag removal with forklift or hoist



▶ **Profiled push-buttons and control of dynamic strokes** to avoid tearing the fabrics of the big bag



▶ **Handling cross for loading with forklift or elevator**

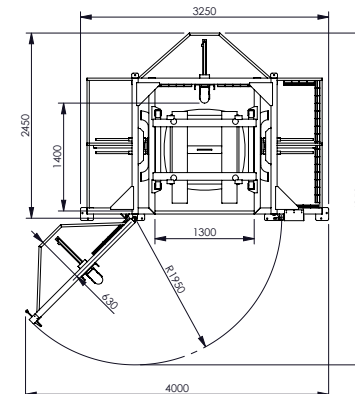
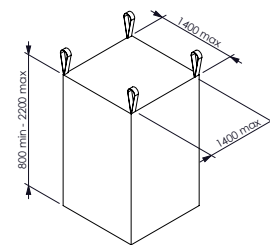
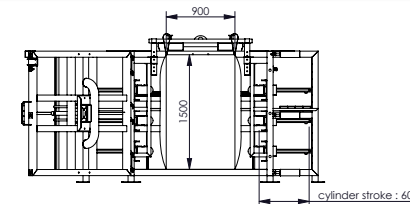
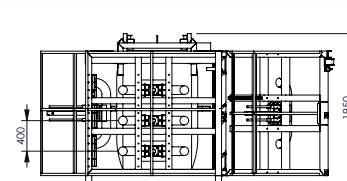


▶ **Adjustable height by rod**

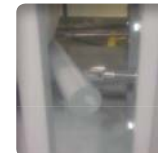


▶ **Overview of the unit for massage of the 4 sides**

Advantages



▶ **Safety area** to protect cylinders



▶ **Cylinders articulation** for a better action

Options

Hoist or Liftfork loading, lifting table, door automation, hydraulic massage.

See all our options on page 24