



## **SCORPIO BIG BAG UNLOADERS / FILLERS**

***Saves Time, Labour and Money***

*Providing Cutting Edge Technology and Application Engineering Expertise in Bulk Solids Handling Systems*

**Scorpio** is the pioneer in FIBC (**Flexible Intermediate Bulk Containers** also generally called “JUMBO BAGS or BIG BAGS) handling systems in the country. Both the SCORPIO F.I.B.C. UNLOADERS and FILLERS are completely self contained units that come in a “ready - to - use” condition. All you have to do is provide a one-point power and compressed air supply! Our Unloading machines have special built-in sequentially operated massager units that gently push the material out of the bag discharge opening. Our Big Bag Fillers can automatically fill big bags to correct weights using bag inflation and high speed filling sequences with integral load cell systems.

### **THE SCORPIO F.I.B.C. UNLOADER**

#### ***Features:***

- Proven Technology: Our Unloader is capable of discharging almost any material out of any type of Big Bag because of the unique pneumatic massager discharge mechanism.
- Height is adjustable to accommodate various sizes of bags.
- The design of the bottom Big Bag holding cone is designed to be dust tight and self sealing.
- Two Big Bag holding spiders are standard supply to help stacking of the Big Bags while continuous unloading.
- In-built de-dusting arrangement with reverse pulse jet filter bag cleaning arrangement and a centrifugal fan is provided for the dusty material handling.
- To open the discharge spout untie the draw string, a window is provided with the self locking door which will seal completely when it is closed ensuring the dust free atmosphere.
- A control timer with starter shall be provided for the unit supply. If it is supplied along with the total system, the control shall be hooked-up with system control panel.



## THE SCORPIO F.I.B.C. FILLER:

### *Features:*

- Long Lasting - Our Fillers have been designed and built to provide years of troublefree service. The frame is extremely robust, self supporting structure. No external supports/bracing required.
- Fast Filling -The unit can fill a standard Big Bag within 3 to 5 minutes. Depending upon material being filled.
- Versatile - the SCORPIO Big Bag Filling Machine is designed to handle a variety of bag sizes and types, and a variety of materials.
- Accurate Filling - the standard SCORPIO Big Bag Filling Machine is designed to fill jumbo bags to an accuracy of 0.25%. This is possible by the variable frequency AC drive fitted onto the Screw Feeder drive and the Slide Gate valve fitted below the Screw Feeder (Higher accuracies are possible).
- Complete Filling - the operation of the SCORPIO Big Bag Filling Machine is designed to fill the Bags totally with material, leaving no empty pockets or regions of aerated material. This means that the Bags are properly and firmly filled and are easy to handle and stack. It also means total utilization of the Bag volume.
- Dual purpose fan - the Centrifugal fan is used for both bag inflation and for dust extraction, Butterfly Valves provided on the ducting change their position automatically.
- Quick clamp system for clamping the bag inlet spouts to the filling spout of the machine.
- A control timer with starter shall be provided for the unit supply. If it is supplied along with the system, the control shall be hooked-up with system control panel.



***To best select the Big Bag Filling / Unloading machine for your specific application, please return the enclosed questionnaire duly filled-in.***

**SCORPIO** offers state-of-the-art equipment and complete turnkey systems in:

- In-plant Bulk Handling
- Dense & Dilute Phase Pneumatic Conveying Systems
- Open Truck Unloaders
- Container Tilting Unit for filling and discharge
- Bag Slitting Machines
- FIBC (Big Bag) Filling and Discharge Systems
- Bulk Transportation
- Central Vacuum Cleaning Systems
- Weighing and Batching
- Silos and Silo Discharge
- Port Bulk Handling
- Ship Loading / Unloading Systems (Pneumatic)

***We also offer consultancy in the design and Engineering of Bulk Solids Handling System.***

For further information, please contact:

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