



LINKBIN (patented) POWDER HANDLING SYSTEMS

Powder Handling for the 21st Century Environment



Application showing polyethylene Linkbins in a system for a major food producer

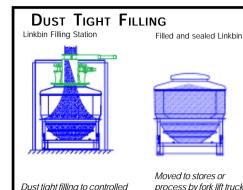
The 35 years of materials handling experience and expertise in solving dust problems resident in Process Link has been utilized to design a revolutionary patented powder handling system.

It has been designed to meet 21st Century requirements, which impose ever increasing levels of energy efficiency and reduction in dust emissions and noise levels in the working environment.

In addition to reducing dust and noise pollution, the system has the distinct advantage of being able to discharge and control diverse and particulate powders, including difficult products that bridge, rathole, flush and segregate.

As a system it is made up of proven components i.e. dust tight jam free valves, inflatable seals

ensuring dust tight connections, vibro technology applying minimum but effective agitation, plus



Moved to stores or process by fork lift truck and/or overhead hoist

weighing and/or feed control where applications dictate. These have all been linked together to make a complete efficient system. We have called this:-

"THE LINKBIN POWDER HANDLING SYSTEM".

weight if required.

The illustrations show how effectively it can act as an important link in typical powder processing and manufacturing operations. The system provides "Dust Tight" Linkbin filling and, once the product is in the sealed Linkbin, it can be moved or conveyed up, down or horizontally around the processing area without fear of product leakage causing atmospheric pollution, or product suffering cross contamination by ingress of foreign material from outside the bin.

Carrying on with the theme of isolation or integrity of the product (both to and from outside contamination), when the Linkbin is located on its specially designed Link Discharge Station (docking like a spacecraft to a space station), the Linkbin allows transfer of product to process to occur with continuing product and environmental intearity.



discharge point.

Linkbin discharge

station connected to

process for product

dust tight transfer

Linkbin docked onto link discharge station.

Linkbin discharging to process.

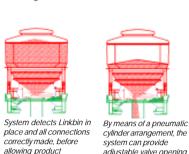
adjustable valve opening

product discharge control

positions to give good

Linkbin removal and return to stores

Linkbin empty - return for refill or cleandown.





Linkbin to be resealed.

thus allowing a part

discharged bin to be

removed.

ST CONTAIL

REGULARO

System permits the

The system ensures Linkbin is empty and resealed before permitting bin

removal.

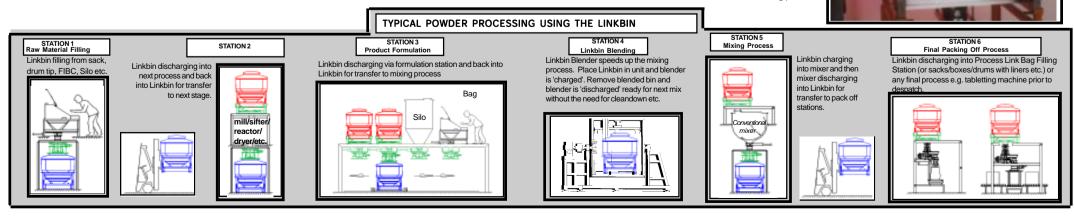
Below shows how the intelligent use of the system frees up other process plant machinery - milling machines, sifters, mixers, dryers, etc... by charging and discharging them guickly and efficiently rather than leaving them to act as very expensive intermediate storage and feed systems.

discharge to take place.

The potential number of applications for this efficient system are too numerous to mention in this leaflet, therefore please contact Process Link with your application/problems, so recommendations can be discussed.

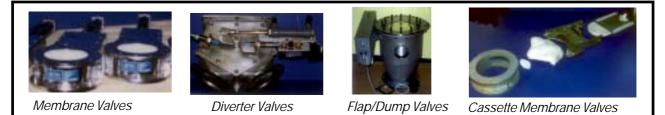
Linkbins are manufactured in metal and/or polyethylene in a range of sizes and finishes appropriate to the application. More detailed information is available on request.

> Application showing stainless steel Linkbin system, for use in hygienic fine chemicals manufacturing process.



A SELECTION OF EQUIPMENT PRODUCED BY PROCESS LINK

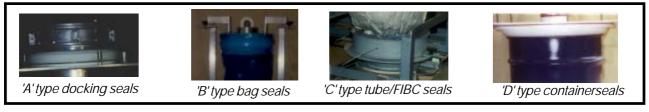
"DUST TIGHT" VALVES



"DUST TIGHT" VIBRO FEEDERS AND CONVEYORS



"DUST TIGHT" INFLATABLE SEALS

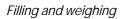


"Dust tight" Weighing and Packing off Stations



"DUST TIGHT" FIBC FILLING/DISCHARGE STATIONS (INC' WEIGHING WHERE REQUIRED).







Filling, compacting and weighing



FIBC Discharging



FIBC Discharging into sacks

Process Link Ltd, Tilemans Lane, Shipston-on-Stour, Warwickshire, CV36 4QZ, ENGLAND Email: info@processlink.co.uk

Tel:: (01608) 662878 Fax: (01608) 662968 Website: www.processlink.co.uk

