

BULK MATERIAL HANDLING

Bulk Material Handling

& Automatic Bagging Systems

From bulk material feeding to bagging, stitching,
palletization and truck loading.



END-TO-END

One system. From hopper to truck.

Aeon Tech Solutions can engineer and integrate the complete material-handling and bagging line around the customer's product, capacity and plant layout. Rather than supplying isolated equipment, the system can be designed as a coordinated process from bulk material receiving through final bag loading.



INTEGRATED LINE — AEON PROJECT

The Process

01

01 Bulk material feeding**02 Material conveying****03 Bagging machine hopper****04 Automatic bagging****05 Bag transfer****06 Bag stitching****07 Finished bag conveying****08 Palletization — optional****09 Truck loading**

50 kg Automatic Bagging

02

The system can be configured for automatic filling of bulk products into industrial HDPE bags, including applications commonly requiring 25–50 kg packaging formats.



HDPE BAG AT THE FILLING SPOUT



BAGGING STATIONS



WEIGH HOPPERS AND STRUCTURE

MAY BE SUITABLE FOR

Fertilizers

Animal feed

Sugar

Food ingredients

Granular minerals

Powdered materials

Chemicals

Bulk Material Conveying

03

The conveying technology follows the material. The selection is made per project — a line does not use all of them at once.

Belt conveyors

For horizontal or inclined material transfer.

Bucket elevators

For vertical lifting of suitable bulk materials.

Screw conveyors

For controlled conveying of suitable powders and granules.

Chain conveyors

For selected heavy-duty applications.

Pneumatic conveying

For suitable powdered or granular materials.

From Concept to Commissioning

04

Every project has different material characteristics, building dimensions, production requirements and dispatch arrangements. The equipment layout and process flow are engineered around the specific application.

01

Requirement study

Understand product, bag size, capacity and layout.

02

System engineering

Develop process flow and equipment configuration.

03

Equipment integration

Integrate conveyors, bagging, stitching and loading.

04

Installation

Mechanical and electrical installation.

05

Commissioning

Testing and commissioning of the complete line.

06

Operator training

Training for operation and routine maintenance.

Planning an automatic bagging line?

Tell us what you need to bag, how much and how you want to dispatch it.

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