

PT. MITRA KARYA INDUSTRI

Industrial Scales and Control System
Integrator

GROBS

Bagging Machines

by

mki

NET BAGGING MACHINE

NET BAGGING MACHINE merupakan jenis mesin pengantongan yang berbasis timbangan dengan konsep penimbangan dilakukan pada suatu hopper/bucket dengan target penimbangan tertentu, setelah penimbangan selesai maka produk akan diturunkan masuk ke dalam suatu bag. Kemudian bag yang telah terisi produk akan turun ke conveyor dan akan dilanjutkan ke proses closing baik dijahit atau diséal. Setelah proses closing selesai, maka bag tersebut akan dibawa oleh conveyor sampai keluar area conveyor.

NET BAGGING MACHINE memiliki 2 mode operasi yaitu :

1. Semi Automatic : Operasi mesin bagging untuk pemasangan bag ke bagging spout (corong/outlet) dan mengarahkan bag ke proses closing (sewing/sealing) masih secara manual oleh operator.
Mode operasi ini dioperasikan oleh 2 orang operator, sehingga output yang dihasilkan pun sangat bergantung pada kemampuan dan kecepatan operator.
2. Fully Automatic : Operasi mesin bagging dilakukan secara otomatis oleh mesin, mulai dari pemasangan bag ke bagging spout (corong/outlet) sampai proses closing.
Mode operasi ini tidak dioperasikan oleh operator, sehingga output yang dihasilkan tidak bergantung pada kemampuan dan kecepatan operator.

Kemudian selain memiliki 2 mode operasi, bagging machine juga memiliki beberapa tipe feeder dimana feeder tersebut akan digunakan dengan menyesuaikan produk yang akan dilakukan bagging.

Tipe Feeder yang tersedia, antara lain :

1. Gravity Feeder

Tipe ini aliran produknya bergantung pada gaya gravitasi dan karakteristik produk.

Aplikasi untuk jenis produk, : gula pasir, rice, pellet kayu, pellet plastik, garam atau produk lainnya yang berbentuk granule dan dapat mengalir cepat berdasarkan gaya gravitasi.

2. Screw Feeder

Tipe ini aliran produknya menggunakan screw dan kecepatan aliran produk dapat disesuaikan dengan kebutuhan.

Aplikasi untuk jenis produk, : dedak, tepung tapioka, mineral, tepung susu, tepung lainnya atau produk lainnya yang berbentuk powder.

3. Belt Feeder

Tipe ini aliran produknya menggunakan belt conveyor dan kecepatan aliran produk dapat disesuaikan dengan kebutuhan.

Aplikasi untuk jenis produk, : pakan ternak, pellet, mineral dan lainnya.

4. Vibratory Feeder

Tipe ini aliran produknya menggunakan getaran dan kecepatan aliran produk dapat disesuaikan dengan kebutuhan.

Aplikasi untuk jenis produk, : Butir jagung, kacang kedelai, butir pakan burung, pakan hewan peliharaan seperti kucing dan anjing dan lainnya.

SEMI AUTOMATIC NET BAGGING MACHINE

General Features

- ❖ Manual bag placing, automatic weighing, filling, sealing, sewing and conveying out
- ❖ 10" HMI Touch Screen for easy operating
- ❖ Simple and rugged design in order to ensure years of accurate and trouble-free operation
- ❖ Interlock operation with low air pressure and alarm notification
- ❖ Product contacted parts in SS304
- ❖ Flow controlled by electro-pneumatic to maximum accuracy achieved
- ❖ Technical documentations for easy maintenance guidance
- ❖ Controller and HMI by Mitsubishi
- ❖ Pneumatic system by FESTO

Optional Features

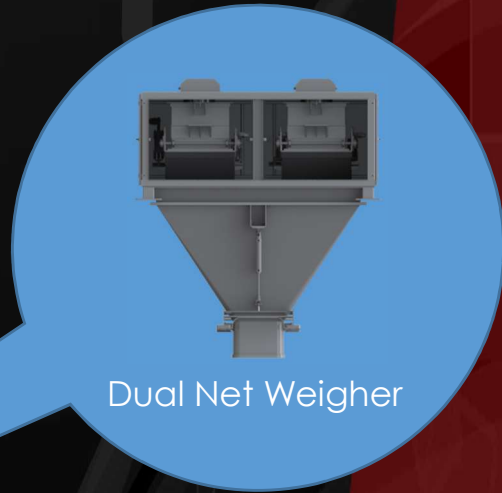
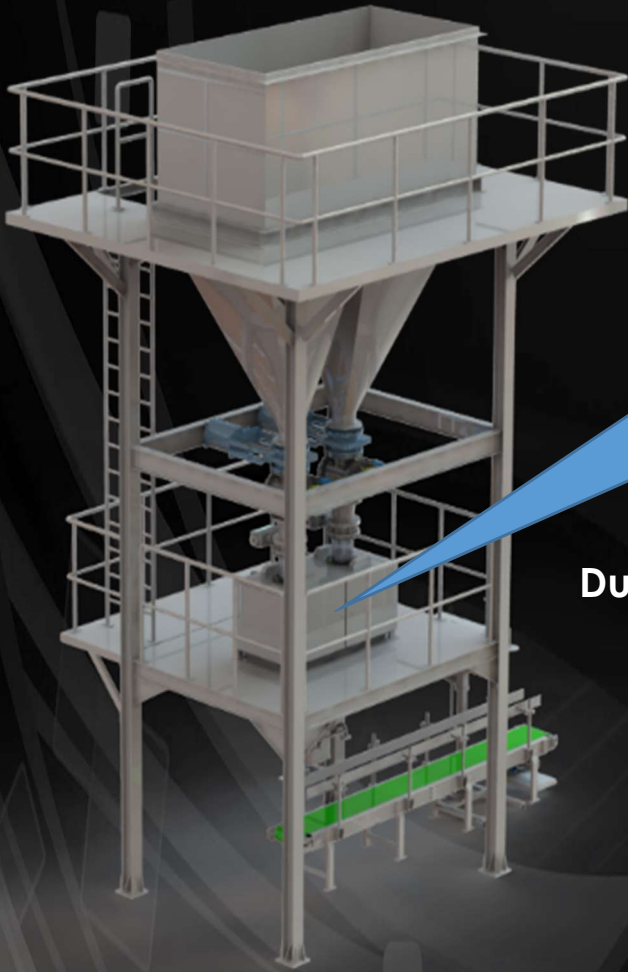
Controller and HMI by other Brands	Bag Flattener
Pneumatic system by SMC	Wrapping System
Check Weigher c/w Rejector	Strapping Band System
Palletizing System	Code by Industrial Inkjet Printer
De-dusting/dust collector system	Labelling System
All Stainless Steel material construction	Bagging Historical Logger (Daily, Monthly and Yearly reporting)

Technical Parameters

Model	GRNS-7200 Series	GRNS-7100 Series	GRNS-7000 Series
Filling Range	1 – 5kg	6 – 10kg	25 – 60kg
Bagging Speed*	Single Net : 7 bags/min, Dual Net : 14 bags/min		
Bag Type	Open mouth woven or multi layer bag		
Suitable Bagging Products	Animal Feed, Pet Food, Fertilizers, Minerals, Agriculture Seeds, Chemicals, etc.		
Feeder Available	Gravity, Screw, Belt and Vibratory		

*** Depending on product flow ability and operator bag preparation/handling time**

SEMI AUTOMATIC NET BAGGING MACHINE



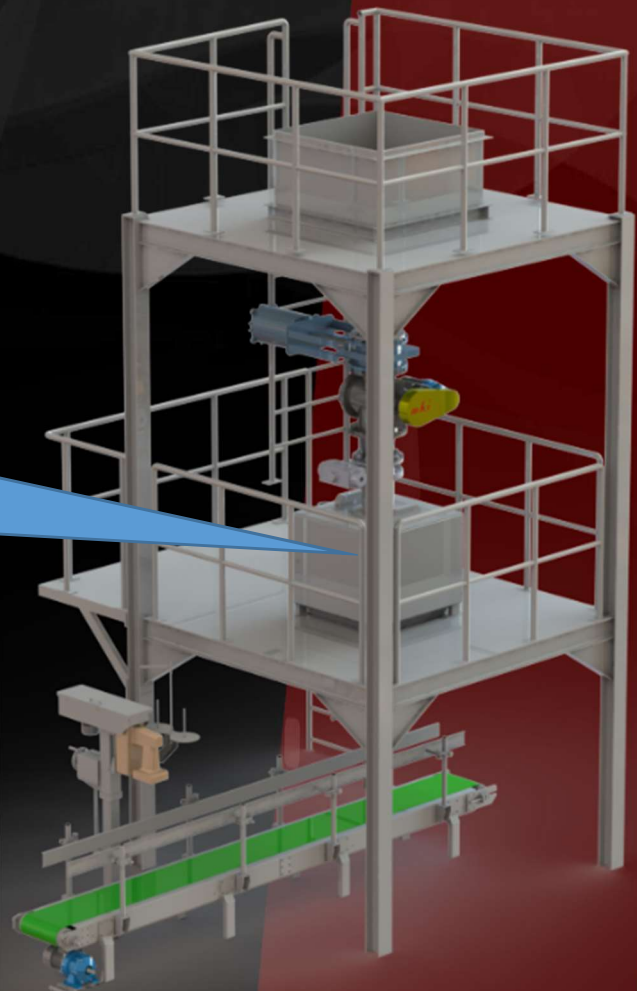
Dual Net Weigher

Dual Net Gravity Feeder



Single Net Weigher

Single Net Gravity Feeder



SEMI AUTOMATIC GROSS BAGGING MACHINE

General Features

- ❖ Manual bag placing, automatic weighing, filling, sealing, sewing and conveying out
- ❖ 10" HMI Touch Screen for easy operating
- ❖ Simple and rugged design in order to ensure years of accurate and trouble-free operation
- ❖ Interlock operation with low air pressure and alarm notification
- ❖ Product contacted parts in SS304
- ❖ Flow controlled by electro-pneumatic to maximum accuracy achieved
- ❖ Technical documentations for easy maintenance guidance
- ❖ Controller and HMI by Mitsubishi
- ❖ Pneumatic system by FESTO

Optional Features

Controller and HMI by other Brands	Bag Flattener
Pneumatic system by SMC	Wrapping System
Check Weigher c/w Rejector	Strapping Band System
Palletizing System	Code by Industrial Inkjet Printer
De-dusting/dust collector system	Labelling System
All Stainless Steel material construction	Bagging Historical Logger (Daily, Monthly and Yearly reporting)

Technical Parameters

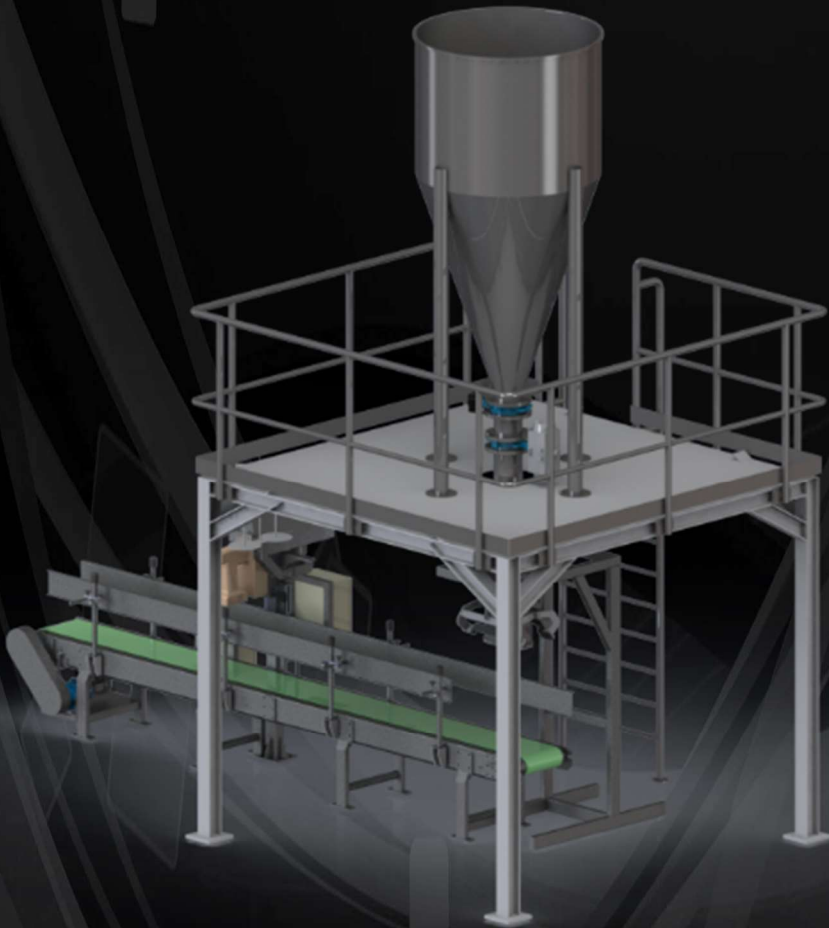
Model	GRGS-7200 Series	GRGS-7100 Series	GRGS-7000 Series
Filling Range	1 – 5kg	6 – 10kg	25 – 60kg
Bagging Speed*	7 bags/min		
Bag Type	Open mouth woven or multi layer bag		
Suitable Bagging Products	Animal Feed, Pet Food, Fertilizers, Minerals, Agriculture Seeds, Chemicals, etc.		
Feeder Available	Gravity, Screw, Belt and Vibratory		

*** Depending on product flow ability and operator bag preparation/handling time**

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SEMI AUTOMATIC GROSS BAGGING MACHINE



Gross Bagging Machine Gravity Feeder



FULLY AUTOMATIC BAGGING MACHINE

General Features

- ❖ Automatic bag placing, weighing, filling and sewing/closing
- ❖ 10" HMI Touch Screen for monitoring operation machine
- ❖ Simple and rugged design in order to ensure years of accurate and trouble-free operation
- ❖ Interlock operation with low air pressure and alarm notification
- ❖ Product contacted parts in SS304
- ❖ Flow controlled by electro-pneumatic to maximum accuracy achieved
- ❖ Technical documentations for easy maintenance guidance
- ❖ Controller and HMI by Mitsubishi
- ❖ Pneumatic system by FESTO

Optional Features

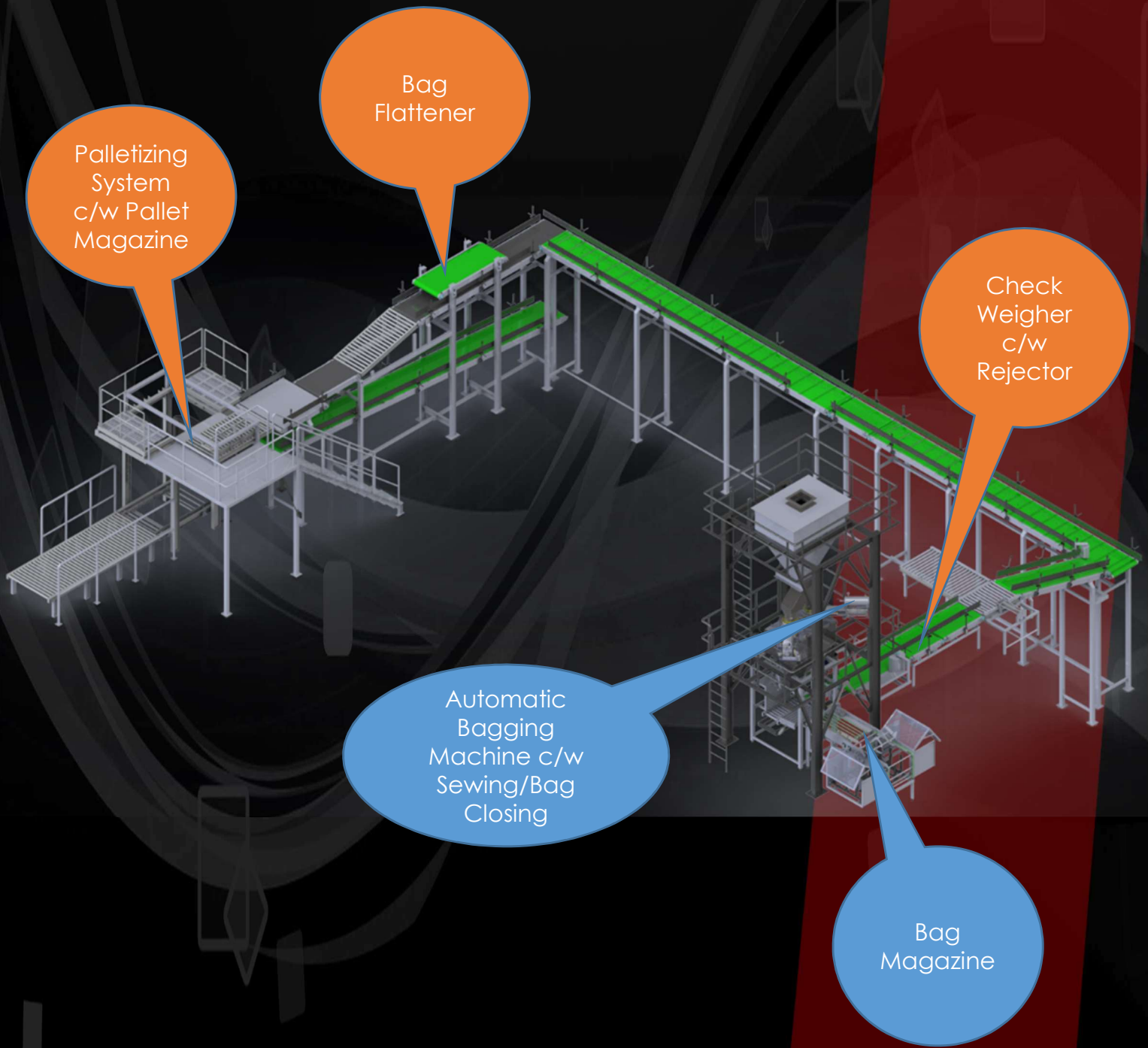
Controller and HMI by other Brands	Strapping Band System
Pneumatic system by SMC	Code by Industrial Inkjet Printer
De-dusting/dust collector system	Labelling System
All Stainless Steel material construction	Bagging Historical Logger (Daily, Monthly and Yearly reporting)

Technical Parameters

Model	GRNA-7200 Series	GRNA-7100 Series	GRNA-7000 Series
Filling Range	1 – 5kg	6 – 10kg	25 – 60kg
Bagging Speed*	Dual type : 12 bags/min		
Bag Type	Open mouth woven or multi layer bag		
Suitable Bagging Products	Animal Feed, Pet Food, Fertilizers, Minerals, Agriculture Seeds, Chemicals, etc.		
Feeder Available	Gravity, Screw, Belt and Vibratory		

*** Depending on product flow ability and operator bag preparation/handling time**

FULLY AUTOMATIC BAGGING MACHINE



NOTE :

 OPTIONAL

SEMI AUTOMATIC BIG BAG BAGGING MACHINE

General Features

- ❖ Manual bag placing, weighing and filling
- ❖ 10" HMI Touch Screen for easy operating
- ❖ Simple and rugged design in order to ensure years of accurate and trouble-free operation
- ❖ Interlock operation with low air pressure and alarm notification
- ❖ Product contacted parts in SS304
- ❖ Flow controlled by electro-pneumatic to maximum accuracy achieved
- ❖ Technical documentations for easy maintenance guidance
- ❖ Controller and HMI by Mitsubishi
- ❖ Pneumatic system by FESTO

Optional Features

Controller and HMI by other Brands	Strapping Band System
Pneumatic system by SMC	Code by Industrial Inkjet Printer
De-dusting/dust collector system	Labelling System
All Stainless Steel material construction	Bagging Historical Logger (Daily, Monthly and Yearly reporting)

Technical Parameters

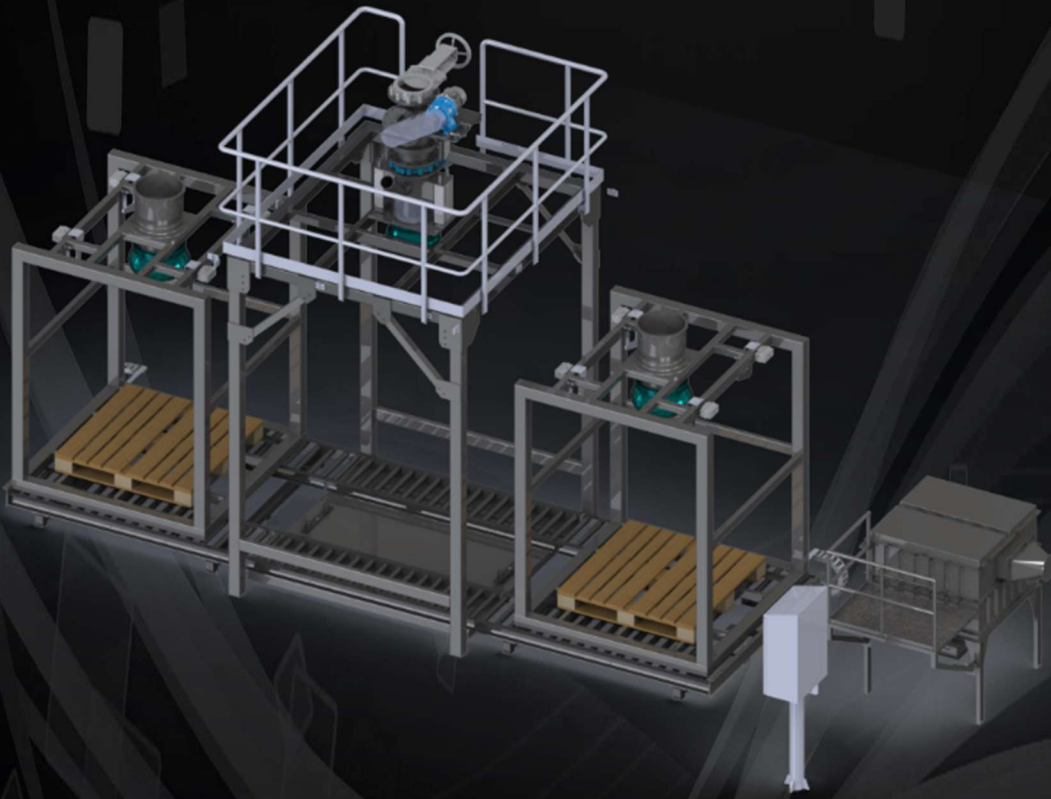
Model	GRN-7200 Series	GRN-7100 Series	GRN-7000 Series
Filling Range	1 – 5kg	6 – 10kg	25 – 60kg
Bagging Speed*	Single type : 7 bags/min, Dual type : 12 bags/min		
Bag Type	Open mouth woven or multi layer bag		
Suitable Bagging Products	Animal Feed, Pet Food, Fertilizers, Minerals, Agriculture Seeds, Chemicals, etc.		
Feeder Available	Gravity, Screw, Belt and Vibratory		

*** Depending on product flow ability and operator bag preparation/handling time**

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SEMI AUTOMATIC BIG BAG BAGGING MACHINE



Big Bag Bagging Machine Gravity Feeder



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SEMI AUTOMATIC BIG BAG BAGGING MACHINE



Big Bag Bagging Machine Gravity Feeder

APPLICATION SYSTEM

BAGGING MACHINE HISTORICAL LOGGER



STANDARD EDITION

Fitur utama dari software standard edition antara lain :

1. Menggunakan bahasa Indonesia sehingga akan lebih mudah dalam penggunaannya.
2. Dapat digunakan oleh banyak pengguna.
3. Dapat menyimpan data produk dan historical proses bagging yang telah selesai.
4. Berat hasil penimbangan tidak dapat diinput oleh pengguna atau manual, karena hanya sistem yang akan meng-capture nilai berat tersebut
5. Tidak dapat melakukan penghapusan data
6. Gratis lisensi penggunaan tanpa ada batasan waktu
7. Memiliki histori perubahan terhadap data yang telah tersimpan
8. Memiliki laporan proses bagging yang lengkap, antara lain :
 - Laporan Pengisian dengan data-data : Bagging ID, Batch No, Target Bagging (Kg), Actual Weight(Kg), Deviasi (Kg) dan Status Bagging (NG/OK)
 - Laporan dapat di export ke XLS file
 - Laporan dapat diperoleh berdasarkan periode waktu harian, bulanan dan tahunan

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INNOVATION

OPTIONAL

Custom Weighing Software



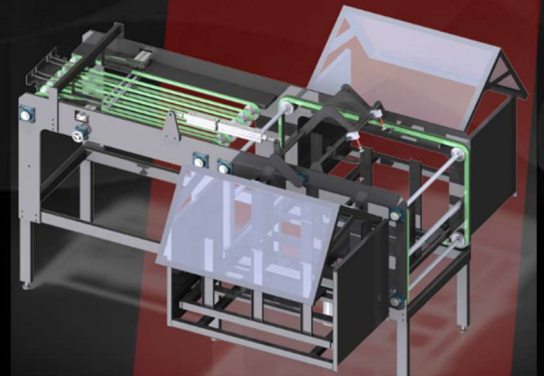
Robotic Palletizing System



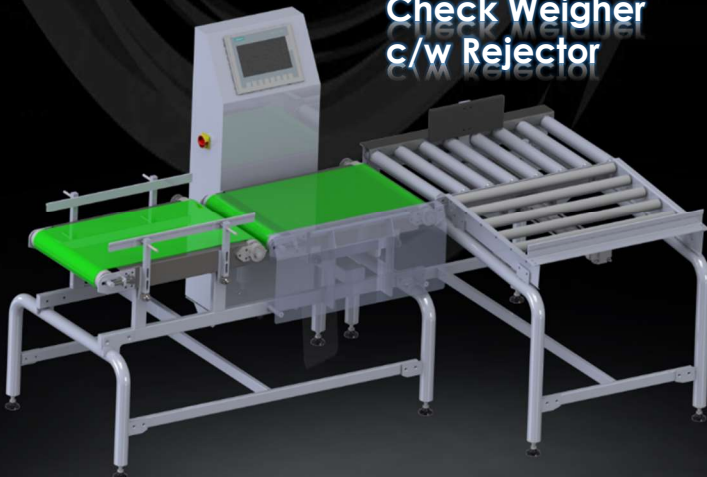
Palletizing System



Bag Magazine



Check Weigher
c/w Rejector



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