

PT. MITRA KARYA INDUSTRI

Industrial Scales and Control System
Integrator

GROBS

Filling Machines

by

mki

GROBS

FILLING MACHINE

SEMI AUTOMATIC

General Features

- ❖ Manual packaging placing, automatic filling and weighing
- ❖ 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 or SS316 (based on request)
- ❖ 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 | - Wrapping System |
| - Pneumatic system by SMC | - Strapping Band System |
| - Check Weigher c/w Rejector | - Code by Industrial Inkjet Printer |
| - Palletizing System | - Labelling System |
| - All Stainless Steel material construction | - Filling Historical Logger (Daily, Monthly and Yearly reporting) |



Technical Parameters

| Model | GRS-5100-FXS Series | GRS-5100-UDS Series | GRS-5200-FXS Series | GRS-5200-UDS Series |
|----------------------------|--|-------------------------|------------------------|-------------------------|
| Packaging Type | Jerry Can | | Steel and Plastic Drum | |
| Model | GRS-5120-FXS Series | GRS-5120-UDS Series | GRS-5300-FXS Series | GRS-5300-UDS Series |
| Packaging Type | Jerry Can, Steel and Plastic Drum | | IBC | |
| Nozzle Position on Filling | Below of Bung hole | Below of liquid surface | Below of Bung hole | Below of liquid surface |
| Suitable Filling Products | FXS : Non Foamy Liquid, UDS : Foamy Liquid | | | |

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1 Packaging

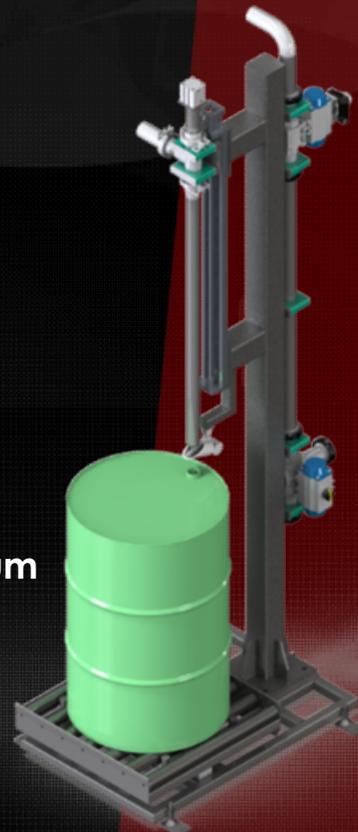
Single Jerry Can



Single Drum



Single Jerry Can & Drum



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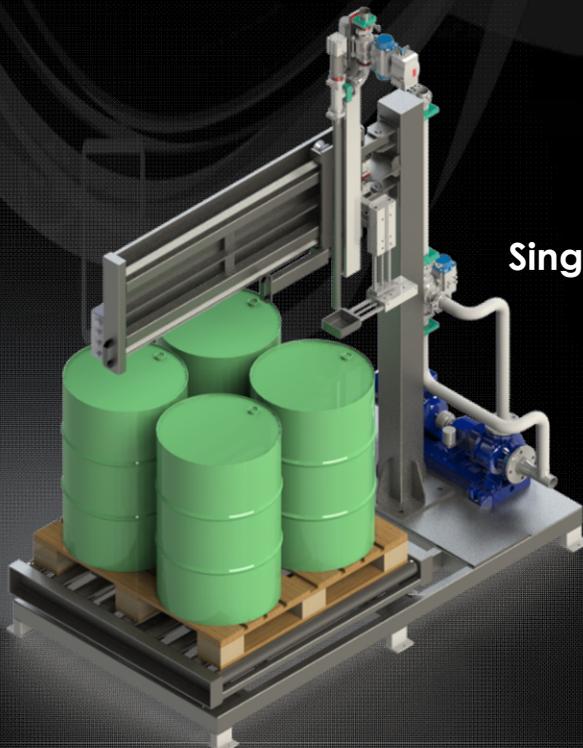
FILLING MACHINE

SEMI AUTOMATIC



Technical Parameters

| Model | GRS-5200-FLM Series | GRS-5200-UDM Series | GRS-5200-FXM Series |
|----------------------------|---|-------------------------|------------------------|
| Packaging Type | Steel and Plastic Drum | | Steel and Plastic Drum |
| Model | GRS-5230-FLM Series | GRS-5230-UDM Series | GRS-5100-FXM Series |
| Packaging Type | Steel and Plastic Drum, IBC | | Jerry Can |
| Number of Nozzle | 1 | 1 | 4 |
| Nozzle Position on Filling | Below of Bunghole | Below of liquid surface | Below of Bunghole |
| Suitable Filling Products | FLM, FXM : Non Foamy Liquid, UDM : Foamy Liquid | | |



Single Nozzle 4 Drums or 1 IBC

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FILLING MACHINE

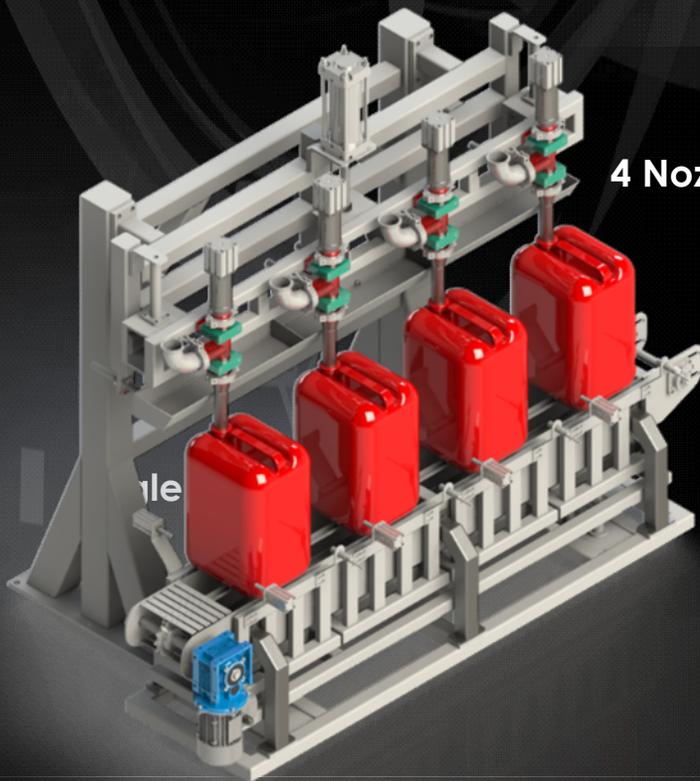
SEMI AUTOMATIC

4

4 Nozzles 4 Drums



4 Nozzles 4 Jerry Cans



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FILLING MACHINE

Integrated System

Infeed
Drive
Roller
Conveyor

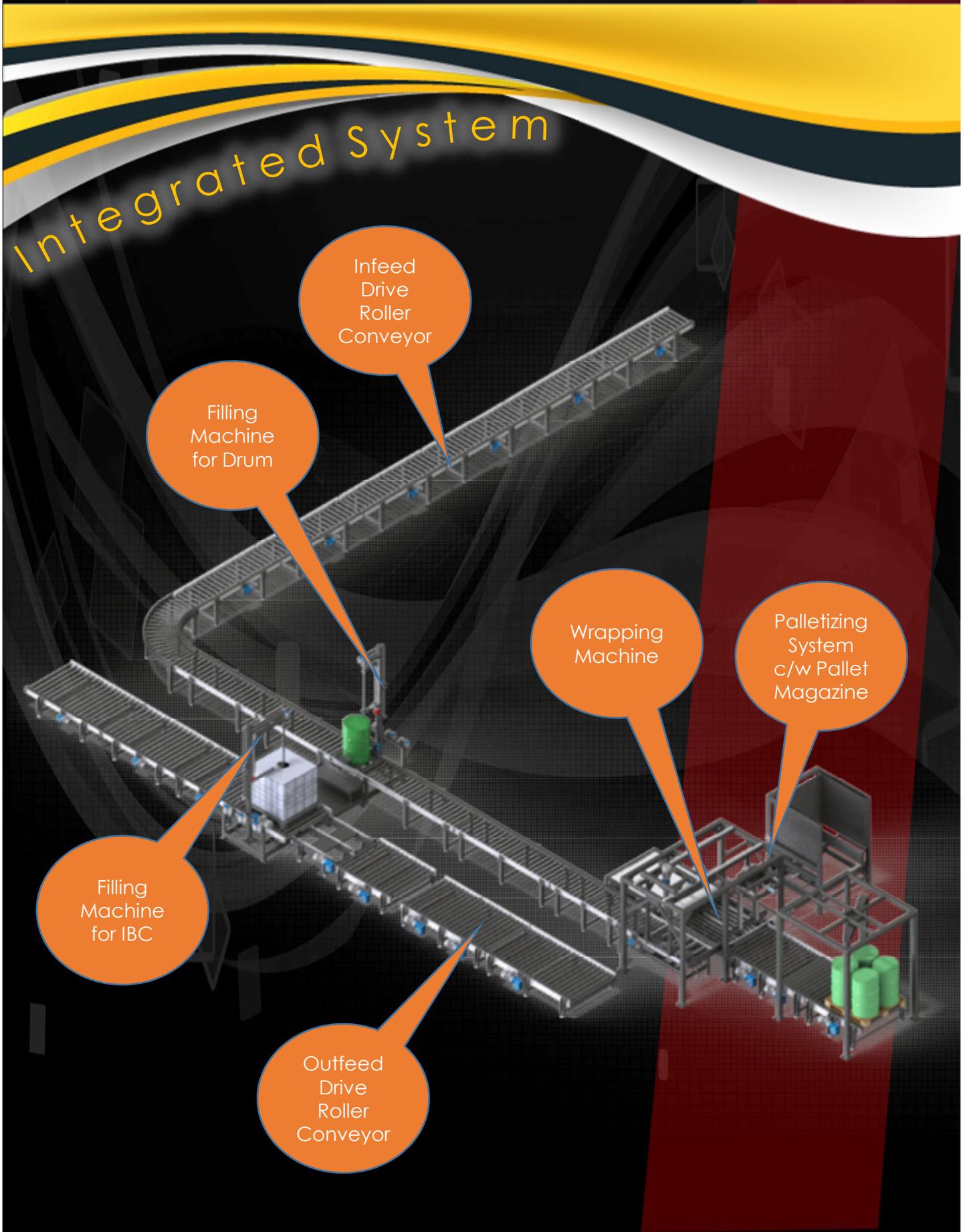
Filling
Machine
for Drum

Filling
Machine
for IBC

Outfeed
Drive
Roller
Conveyor

Wrapping
Machine

Palletizing
System
c/w Pallet
Magazine



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FILLING MACHINE

Integrated System



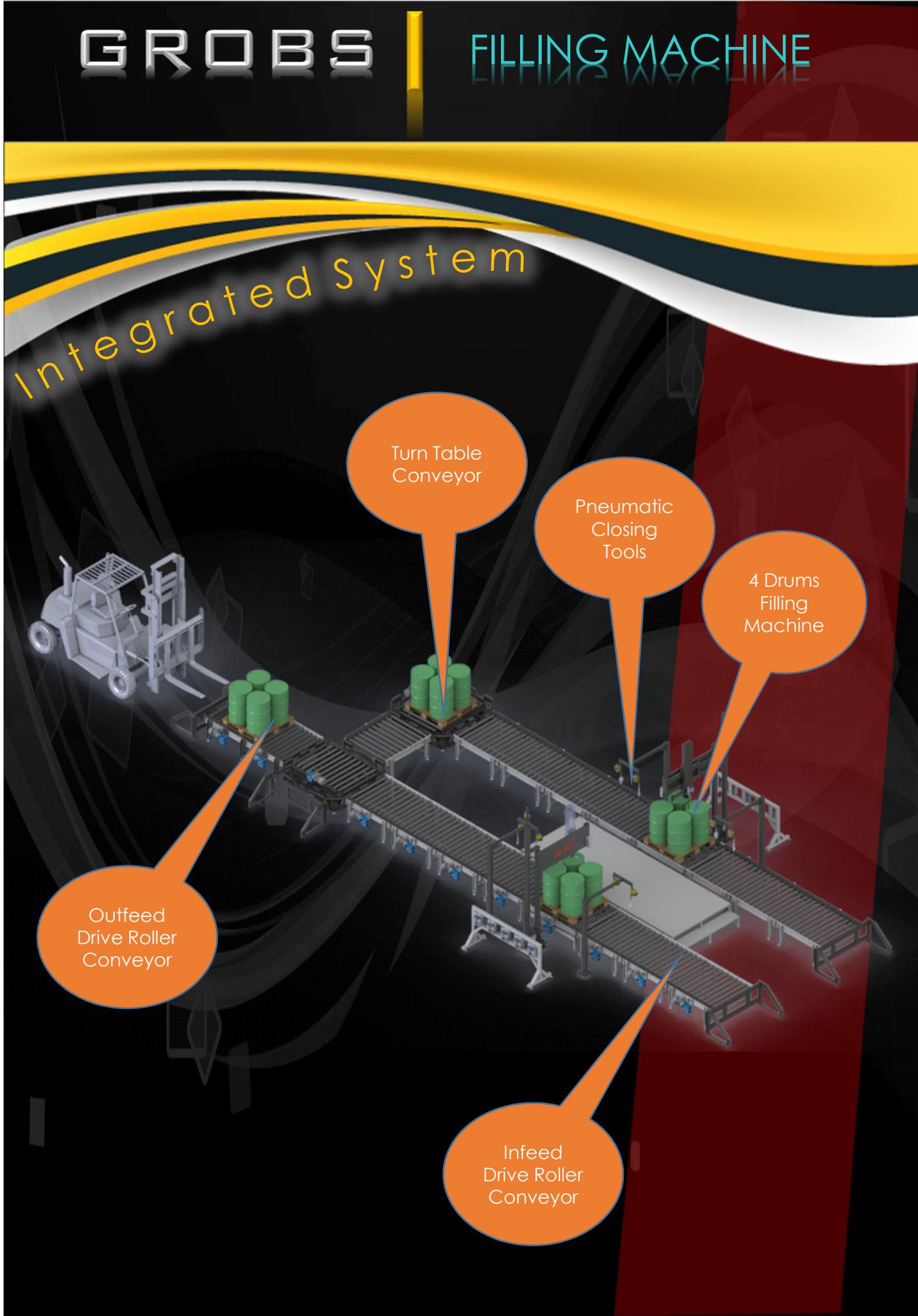
Turn Table Conveyor

Pneumatic Closing Tools

4 Drums Filling Machine

Outfeed Drive Roller Conveyor

Infeed Drive Roller Conveyor



APPLICATION SYSTEM

FILLING 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 filling 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 filling yang lengkap, antara lain :
 - Laporan Pengisian dengan data-data : Filling ID, Batch No, Target Filling (Kg), Actual Weight(Kg), Deviasi (Kg) dan Status Pengisian (NG/OK)
 - Laporan dapat di export ke XLS file
 - Laporan dapat diperoleh berdasarkan periode waktu harian, bulanan dan tahunan

GROBS

FILLING MACHINE

01 | Conveyor System

02 | Pneumatic Closing Tools

03 | Wrapping Machine

OPTIONAL

04 | Strapping Machine

05 | Palletizing System

06 | Palletizing System



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