

***Doytec Automation Ltd.***

for  
coffee  
& seeds

The best DO for coffee & seeds Packing

## ***Doytec automation ltd.***

Founder Mr.Owen Cheong joined in the field at around the end of 2009.

Established the icon BRUCEPACK manufacturing Doypack machine mainly focusing on food and coffee packing in 2014.

After years marketing and know-how, he moved his focus again to the vegetable seed section and started to invest seed counters developing, then set up the new icon DOYTEC particularly for seed counting and packing in 2017.



Mr.Owen presented the 1st Gene. Seed count in INTERPACK 2017 Germany



Mr.Owen with team presenting count-pack systems in GRWOTECH 2019 Turkey

# Count Series



# SEEDS COUNTING MACHINE

1<sup>st</sup> generation counter C-801



1st Generation Single-lane counter C-801

12L Storage hopper

Single feeding channel

Speed: 3~6 cycles/min

Accuracy: 0~6+ Pcs

Power: AC110~220V/50/60Hz/1Phase, Rate: 0.80Kw.

Air-consume:  $\leq 60$  NL/Min, 0.65 Mpa (6.5Kg)

SS304 made

For vegetable, flower seeds counting automatic.

One system suit to kinds of seeds with diameter 1 to 15+ mm else.

\* Tomato seeds to Melon seeds, etc.

Counters count able 10s, 100s, 1000s, 10000+, max to 30000 pcs per single cycle.

\* The large amount the long time on counting, ex.: count 10,000 pcs Tomato seeds about 45~55 seconds.



# SEEDS COUNTING MACHINE

## 2<sup>nd</sup> generation counter C-1001



2nd Generation Single-lane counter C-1001

\* Reject function availed

6L Storage hopper

Single feeding channel

Speed: 4~6 cycles/min

Accuracy: 0~6+ Pcs

Power: AC110~220V/50/60Hz/1Phase, Rate: 0.80Kw.

Air-consume:  $\leq 60$  NL/Min, 0.65 Mpa (6.5Kg)

SS304 made

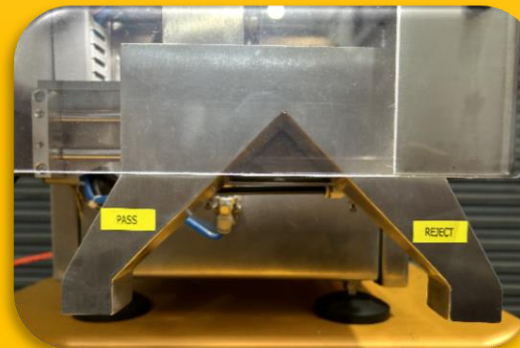
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\* Tomato seeds to Melon seeds, etc.

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\* The large amount the long time on counting, ex.: count 10,000 pcs Tomato seeds about 45~55 seconds.



# SEEDS COUNTING MACHINE

## 2<sup>nd</sup> generation counter C-1023



For vegetable, flower seeds counting automatic.

One system suit to kinds of seeds with diameter 1 to 15+ mm else.

\* Tomato seeds to Melon seeds, etc.

Counters count able 10s, 100s, 1000s, 10000+, max to 30000 pcs per single cycle.

\* The large amount the long time on counting, ex.: count 10,000 pcs Tomato seeds about 45~55 seconds.

2nd Generation Dual-lane counter C-1023

\* Reject function availed

24L Storage hopper

Dual feeding channel

Low Speed: 6~8 cycles/min | Accuracy:  $\leq 0\sim 3$  Pcs

High Speed: 9~12 cycles/min | Accuracy: 0~6+ Pcs

Power: AC110~220V/50/60Hz/1Phase, Rate: 0.80Kw.

Air-consume:  $\leq 60$  NL/Min, 0.65 Mpa (6.5Kg)

SS304 made

Reject function available →



# SEEDS COUNTING MACHINE

## 3<sup>rd</sup> generation counter C-1012



- \*Fully electric driven
- \*Smart auto learn

3rd Generation Single-lane counter C-1012

\* Reject function is option

6L Storage hopper

Single feeding channel

Speed: 6~9 cycles/min

Accuracy: 0~3+ Pcs

Power: AC110~220V/50/60Hz/1Phase, Rate: 0.80Kw.

Air-consume:  $\leq 60$  NL/Min, 0.65 Mpa (6.5Kg)

SS304 made

For vegetable, flower seeds counting automatic.

One system suit to kinds of seeds with diameter 1 to 15+ mm else.

\* Tomato seeds to Melon seeds, etc.

Counters count able 10s, 100s, 1000s, 10000+, max to 30000 pcs per single cycle.

\* The large amount the long time on counting, ex.: count 10,000 pcs Tomato seeds about 45~55 seconds.

Reject function available →



# 200-COUNT PACK SYSTEM

DB-200 & 1<sup>st</sup> generation counter C-801



## Specification:

Speed: 4~6 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 80-150mm Height 80-200mm

Working range: 30-30000+pcs (When less than 30pcs need special design)

Accuracy: 0-3pcs

System size: About L1500 x W1500 x H1800 mm



## Option assistance:

- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection



# 200-COUNT PACK SYSTEM

DB-200 & 3<sup>rd</sup> generation counter C-1012



## Specification:

Speed: 6~10 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 80-150mm Height 80-200mm

Working range: 30-30000+pcs (When less than 30pcs need special design)

Accuracy: 0-3pcs

System size: About L1500 x W1500 x H1800 mm



## Option assistance:

- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection

# 200-COUNT PACK SYSTEM

## DB-200 & 2<sup>nd</sup> generation counter C-1023



### Specification:

Speed: 6~12 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 80-150mm Height 80-200mm

Working range: 30-30000+pcs (When less than 30pcs need special design)

Accuracy: 0-3pcs

System size: About L1500 x W1500 x H1800 mm



### Option assistance:

- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection

# 350-COUNT PACK SYSTEM

DB-350 & 2<sup>nd</sup> generation counter C-1023



## Specification:

Speed: 6~12 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 100-280mm Height 120-320mm

Working range: 30-30000+pcs (When less than 30pcs need special design)

Accuracy: 0-3pcs

System size: About L2500 x W 2000 x H2500 mm

## Option assistance:

- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection



# Weigh Series



# SEEDS WEIGHING MACHINE

## Vibro weigher V-02



Weight 1g

Vibro weigher V-02 | Hi tech

Storage tank 12L

1set weigh hopper 200 ml (0.2L)

Speed: 8~10+ cycles/min | up to target weight.

Weighting: 1g, 2g, 3g, 5g, ~10gs, max 100g | up to density

Accuracy:  $\pm 0.01$  g~0.10 g | up to single size

Panel control, program memory 20 Sets.

Power: AC110~240V/50/60Hz/1Ph, Rate: 0.80Kw.

Net weigh: 75Kg, Size: L700 x W550 x H600 mm

For vegetable, flower seeds weighing automatic.

One system suit to kinds of seeds with diameter 1 to 15+ mm else.

\* Tomato seeds to Melon seeds, etc.

Weighers weight able 3g, 10gs, max to 100g up to density.

\* Mini weigh V-02 smarts at weighting 1g, 2g, 3g, 10gs in excellent accuracy floating at  $\pm 0.01$ ~0.10g

Feature:

- \* Hi-tech VIBRO dispense best to stick-shaped seeds
- \* German HI-HBM load cell accuracy at 1g~10gs
- \* Semi-auto and Integration operation are acceptable.

# SEEDS WEIGHING MACHINE

## Linear weigh 2H05L



Linear weigh 2H05L

Storage tank 35L

2 sets weight hopper 500ml (0.5L) each

Speed: 8~14+ cycles/min | up to target weight.

Weighting: 5~250g | up to density

Accuracy:  $\pm 0.1$  g~1.0 g | up to single size

Power: AC110~220V/50/60Hz/1Phase, Rate: 0.80Kw.

For vegetable, flower seeds weighing automatic.

One system suit to kinds of seeds with diameter 1 to 15+ mm else.

\* Tomato seeds to Melon seeds, etc.

Weighers weight able 5g, 10gs, max to 250g up to density.

# SEEDS WEIGHING MACHINE

## Linear weigh 4H05L



Linear weigh 4H05L

Storage tank 45L

4 sets weight hopper 500ml (0.5L) each

Speed: 12~24+ cycles/min | up to target weight.

Weighting: 5~250g | up to density

Accuracy:  $\pm 0.1$  g~1.0 g | up to single size

Power: AC110~220V/50/60Hz/1Phase, Rate: 0.80Kw.

For vegetable, flower seeds weighing automatic.

One system suit to kinds of seeds with diameter 1 to 15+ mm else.

\* Tomato seeds to Melon seeds, etc.

Weighers weight able 5g, 10gs, max to 250g up to density.

# 200-WEIGH PACK SYSTEM

## DB-200 & Vibro weigher V-02



### Specification:

Speed: 4~9 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 80-150mm Height 80-200mm

Working range: 1-100g

Accuracy: 0.01-0.1g

System size: About L1500 x W1500 x H1800 mm

### Option assistance:

- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection





# 200-WEIGH PACK SYSTEM

## DB-200 & Linear weigh 4H05L



### Specification:

Speed: 10~16 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 80-150mm Height 80-200mm

Working range: 5-250g (When less than 30pcs need special design)

Accuracy: 0.2-2.0g

System size: About L1500 x W1500 x H1800 mm

### Option assistance:

- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection



# 350-WEIGH PACK SYSTEM

## DB-350 & Linear weigh 2H3L



### Specification:

Speed: 6~12 bags/min

Bag type: stand up bag, side sealed bag

Bag size: Width 100-280mm Height 120-320mm

Working range: Max to 3000g

Accuracy: 0.3-3.0g

System size: About L1900 x W1300 x H2000 mm

### Configuration:

\* Japan Panasonic PLC

\* China KINCO HMI panel | Japan Omron tech made in China

\* Taiwan AIRTAC pneumatic | Option to Japan SMC | Top version

\* China AB Vacuum Generator | Option to China Vacuum-PUMP

\* Electrics: Schneider, Eaton, Omron, Panasonic etc. most

\* SS304 Frame & Contact

### Option assistance:

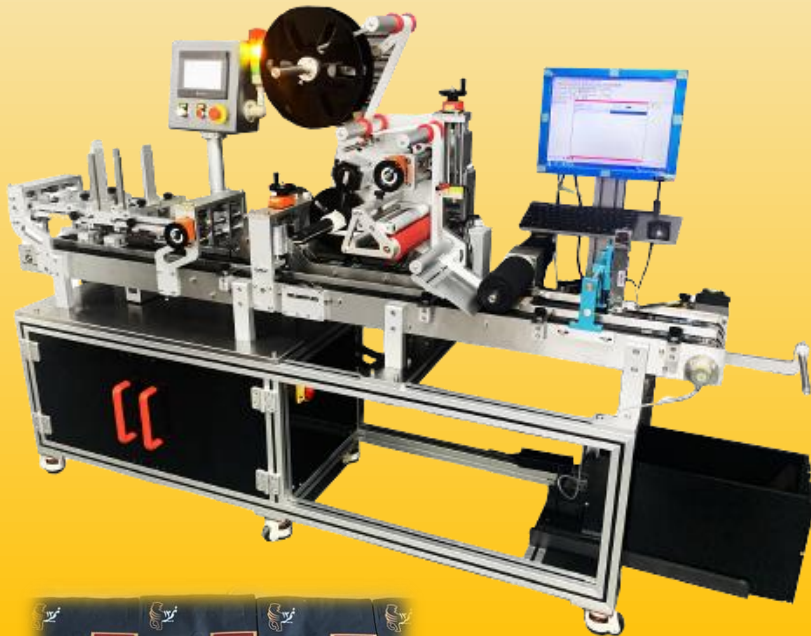
- Auto Feeder - for seed up feed to weigh automatic
- Incline bucket conveyor - recommend l most easy clean
- Incline belt conveyor
- Z type bucket conveyor
- Mini conveyor bag adpoting & transfer out of machine
- L shape conveyor - bag adpoting & transfer to some where
- Rotary table - for bags collection

# Label Series



# LABELING MACHINE

## Labeling machine DL-160



**For labelling onto pre-made bag automatic.**

- \* Specially deal with bags with zipper and degas-valve.
- \* Automatic bag dispensing.
- \* Automatic labeling on bag.
- \* Speed about 20~30 bags/min.

### **Configuration:**

Suit bag type: Standup Bag (A, C), Side Seal Bag (B), Side Gusset Bag (D)

Suit for bag size:

Width: 80 ~ 200 mm

Height: 150 ~ 500 mm

Suit for label size:

Width: 50 ~ 160 mm

Height: 50 ~ 200 mm

Labeling accuracy:  $\pm 0.1\sim 0.5$  mm

Suit Roll size:

Roll outer Diameter:  $\varnothing 280$  mm max

Roll Inner Diameter:  $\varnothing 76$  mm Intl. standard

Powder: AC110~240V/50/60Hz/1Phase, Rate: 1.15Kw

Air consumes:  $\leq 100$  NL/Min, 0.65Mpa (6.5Kg)

Net weigh: 150kg

Size: L2200 x W750 x H 1600 mm

### **Option assistance:**

- Ink jet printer
- Thermal transfer printer



# For kinds of pre – made bag

Our techniques are for kinds of beans, vegetables & flower seeds automatic packaging into kinds of Pre - made bags with zipper or none.

Do our best to reach your highly precise demands in each bag.



# Our unique functions match to seed packages

**Presser degassing**



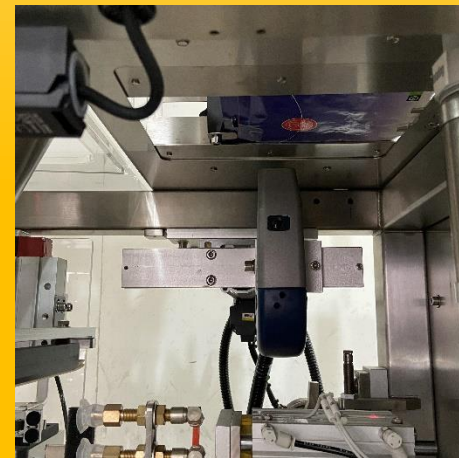
**Gripper exhausting**



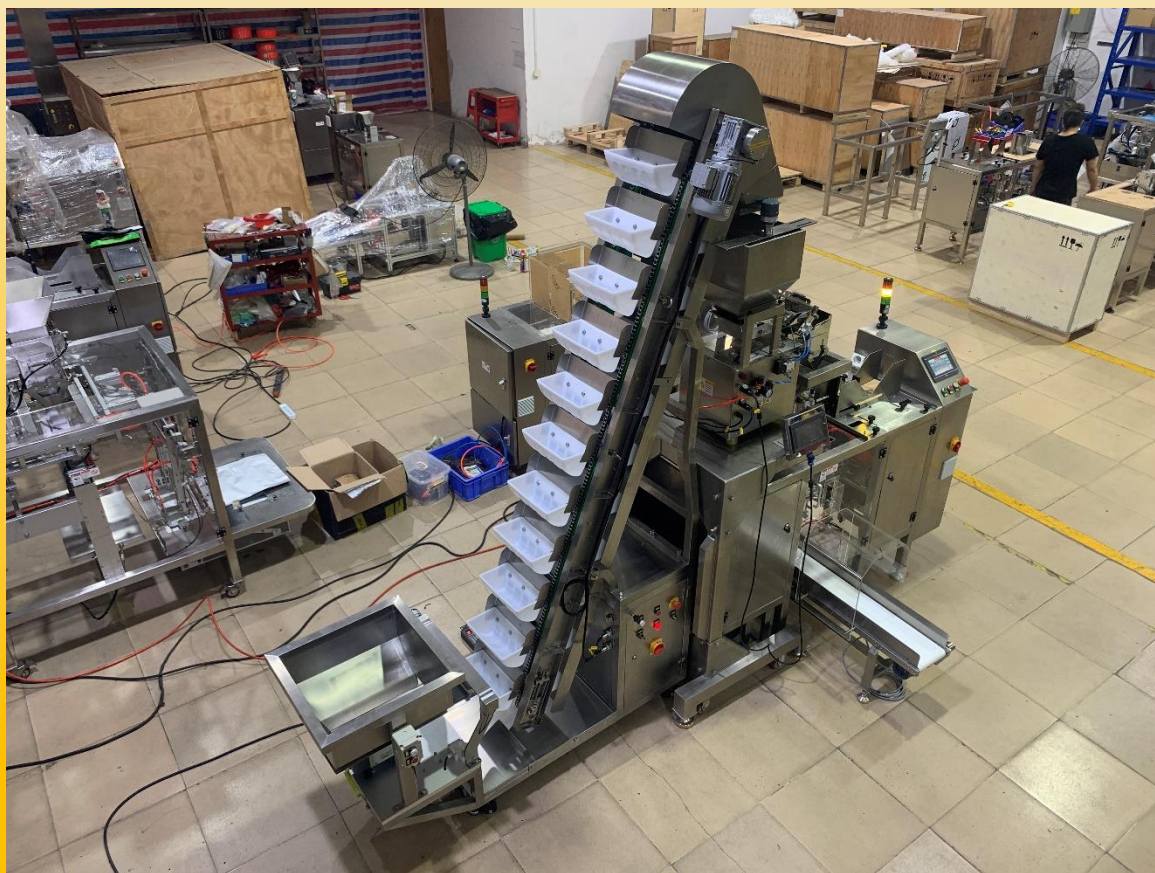
**Pipe exhausting**



**Ink jet printer**



The view of our factory:



# Thanks for following us !

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