ESTEEM ENGINEERS

DATA DETECTION TECHNOLOGY

ESTEEM ENGINEERS

Esteem Engineers are a Mumbai based firm providing equipments and solutions for various industrial sectors including the

- Seeds ,
- Gems & jewelry,
- Chemicals and
- Pharmaceutical industries.

Our main industrial products include

- Plough Shear Mixer,
- Pipe threading machine
- Sheet Coolers
- Diamond Counting Machine
- Seeds Counting Machine
- Tablet/Capsule Counting Machine

DATA DETECTION TECHNOLOGY

❑ Data Detection Technologies Ltd., established in 2002, develops manufactures and markets advanced counting solutions for Diamond, Seeds and Pharmacy industry.

Our Major clients are:-

In Seeds

1. Nunhems India Ltd.
2. Nuziveedu Seeds Ltd.
3. Syngenta India Ltd.
4. Monsanto Holding Pvt. Ltd.
5. Rasi Seeds

In Diamonds

1. Titan
2. H. Deepak
3. Jewelex India Ltd.
4. Emerld Jewellry.
5. Dimexon Jewellry
6. Sun Jewels.
7. Sterling Ornaments Pvt. Ltd.

SEEDS COUNTERS

COUNT YOUR VALUABLE SEEDS @ 10000 SEEDS/MINUTES

100% accuracy

Counts seeds from 0.3 mm to 25 mm, at speeds of up to 10,000 seeds/minute

Separate a large bag of seeds into smaller ones

Save time and Money

Results can be transferred to PC software, Excel spreadsheets

Low maintenance and easy to clean

DATA COUNT S 60

BE SMART

USE SEEDS COUNTING MACHINE

CALL FOR FREE DEMONSTRATION………..

FEATURES OF SEED COUNTING

1) Counts seeds of all shapes from 0.7 mm to 25 mm, at speeds of up to 3,000-

30,000 seeds per minute

2) Quickly separate a large bag of seeds into smaller ones

3) Enables reassignment of labor to more complicated tasks

4) Counts a pre-set number of seeds

5) Seeds can be poured directly into plastic bags or a measuring cup

6) Bluetooth connectivity

7) Results can be transferred to PC software,

8) Excel spreadsheets or proprietary software

BENEFITS OF SEED COUNTING

1) Delivers nearly 100% accuracy

2) Save time and Money.

3) Simple to operate, with a user-friendly interface

4) Low maintenance and easy to clean

5) Small enough to use on any desk or worktop

6) Enables reassignment of labor to more complicated tasks

SEED COUNTERS

1)Data Count S-JR

2)Data Count S-25

3)Data Count S-60

DATA COUNT S - JR

Features :-

✓Counts seeds of all shapes from 0.7 to 4 mm, at speeds of up to 3,000 seeds per minute

✓Counts a pre-set number of seeds

✓Seeds can be poured directly into plastic bags or a measuring cup

✓Bluetooth connectivity

✓Results can be transferred to PC software, Excel spreadsheets or proprietary software

✓Compatible with Seiko label printer

DATA COUNT S - 25

Features :-

✓Precisely counts all seed shapes from 1 mm to 18 mm in size

✓Rapid counting capability. For example: 4,000 tomato seeds per minute

✓No pre-calibration required

✓Counts a pre-set number of seeds

✓Can be incorporated in an automatic filling machine

✓Operation by Touch panel PC

✓Fast emptying

✓Air system protection on the detection unit

DATA COUNT S - 60

Features :-

- ✓ Precisely counts seeds of all shapes, from 1 to 25 mm in size
- ✓ Rapidly counts large quantities in minimal time. For example: 10,000 tomato seeds per minute
- ✓ No pre-calibration required
- ✓ Counts a pre-set number of seeds
- ✓ Can be incorporated in an automatic filling machine
- ✓ Operation by Touch panel PC
- ✓ Fast emptying

SEED COUNT & FILLS

1)Data Count & Fill S - 25

2)Data Count & Fill S - 60

DATA COUNT & FILL S - 25

Features :-

✓Precisely counts all seed shapes from 1 mm to 18 mm in size

✓Rapidly counts vast quantities of seeds. For example: at least 3 bags of 1,000 tomato seeds per minute

✓30 funnels per carousel

✓Operation by Touch Panel PC

✓Fast emptying

✓Air system protection on the detection unit

✓Counts a pre-set number of seeds

✓No pre-calibration required

✓Option for manual filling

DATA COUNT & FILL S - 60

Features :-

✓Precisely counts all seed shapes from 1 mm and up to 25 mm

✓Rapidly counts vast quantities of seeds. For example: at least 6   bags of 1,000 tomato seeds per minute

✓Includes 30 funnels per carousel

✓Operation by Touch Panel PC

✓Fast emptying

✓Air system protection on the detection unit

✓Counts a pre-set number of seeds

✓No pre-calibration required

DATA COUNT & PACK

1)Data Count & Pack S - 160

2)Data Count & Pack S - 260

DATA COUNT & PACK S-160

Features :-

✓Precisely counts all seed shapes from 1 mm and up to 25 mm

(depending on seed quantity per pack).

✓ Rapidly counts & packs large quantities of seeds. For example: 6 bags of 1,000 tomato seeds per minute
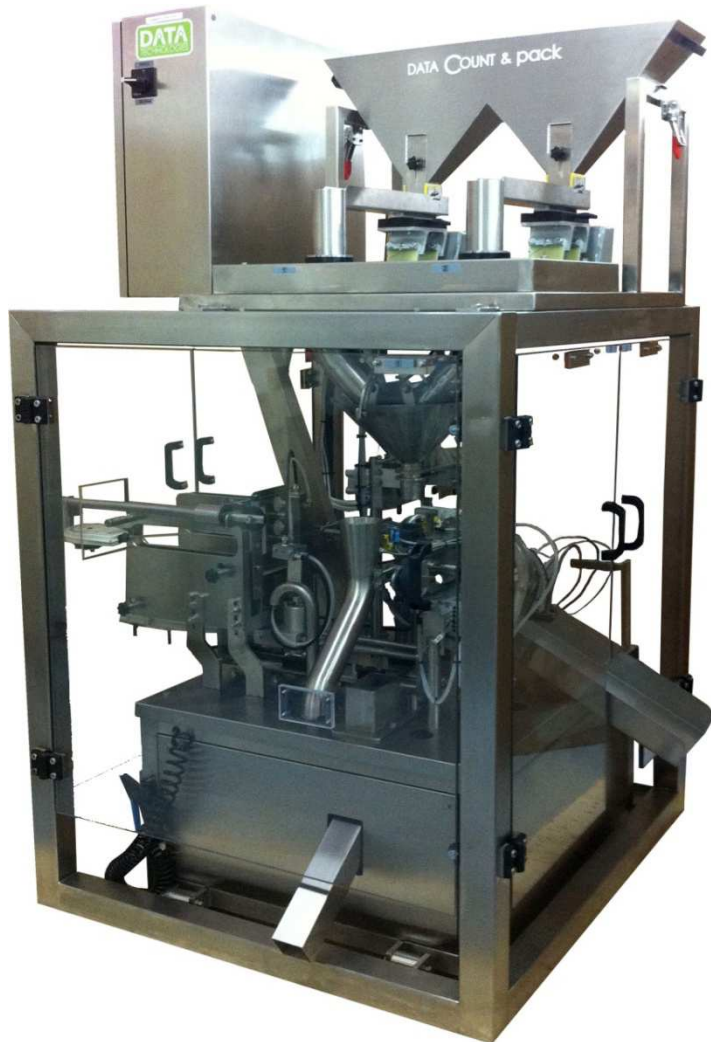
✓No pre-calibration required

✓Counts a pre-set number of seeds

✓Operation by Touch Panel PC Includes rejection system

✓Fast emptying Air system protection on the detection unit

DATA COUNT & PACK S-260

Features :-

✓Precisely counts all seed shapes from 1 mm and up to 25 mm (depending on seed quantity per pack).

✓Rapidly counts & packs large quantities of seeds. For example: 12 bags of 1,000 tomato seeds per minute

✓No pre-calibration required

✓Counts a pre-set number of seeds

✓Operation by Touch Panel PC

✓Includes rejection system

✓Fast emptying

✓Air system protection on the detection unit

INTEGRATIVE INDUSTRIAL SEED COUNTERS

1)Data Count - 260

2)Data Count - 660

DATA COUNT S-260

Features :-

✓ Precisely counts seeds of all shapes, from 1 to 25 mm in size

✓ Rapidly counts vast quantities of seeds. For example: up to 15 bags of 1,000 tomato seed per minute

✓ Counts a pre-set number of seeds

✓ Operation by Touch panel PC Includes: software, touch panel PC, electricity box, power supplies

✓ Pneumatic reject system

✓ Air system protection on each detection unit

✓ Can be installed either directly or on a mobile frame

DATA COUNT S-660

Features :-

✓Precisely counts seeds of all shapes, from 1 to 25 mm in size

✓Rapidly counts vast quantities of seeds. For example: 30 bags of 1,000 tomato seed per minute-

✓No pre-calibration required

✓Counts a pre-set number of seeds

✓Operation by Touch panel PC

✓Consists of two containers

✓Includes Rejection system

✓Fast emptying

✓Includes built-in dust vacuum

✓Air system protection on each detection unit

KEY VALUE PROPOSITION

- **Flexibility**

- **Speed and Accuracy**

- **Ease of Use**

- **ROI**

Return on investment

Capacity of Data Count S-25

Counting Speed = 3000 Seeds/Minute _____(depend upon the size)

In one hours = 3000 * 60 = 1, 80,000 Seeds/Hours

In one Day = 1, 80,000 * 7

= 12, 60,000 Seeds/Day

Approx. Seeds in 10 gm bags = 2500 Seeds/10 gm pack

No. of 10 gm bags pack per day = 12, 60,000/2500

= 504 Bags/ 10 gm pack

Annually Production = 504 * 250 = 1, 26,000 bags of 10 gm Seeds

Seeds Saving/Bag (3.5% of 1, 26,000) = 4,410 bags of 10 gm Seeds

Approx. Selling price of the 10 gm seeds = INR 200

Selling price of 4,410 bags of 10 gm seeds = 4,410 * 200 = INR 8, 82,000

Investment for Data Count S-25

- Cost of the Machine   = USD 15,000 = INR 8, 40,000
- Shipping Charges   = USD 300   = (INR 16,800)
- Custom Duty (25.86%)   = USD 4,000 = INR 2, 24,000
- Other Charges (10%)   = USD 1530   = INR 85,680
- Vat (12.5%)   = USD 1913   = INR 1, 07,128

- **Total Cost**   **= USD 22,743 = INR 12, 73,608**

- Annual Operator Charges 8,000 * 12   = INR 96,000

- **Total operation Cost**   **= INR 13,70,000**

Return on Investment

$$\text{ROI} = \frac{\text{Total Operating Cost}}{\text{Selling price of Saved seeds}}$$

$$= \frac{13,\,70,000}{8,\,82,000}$$

$$\text{ROI} = 1.55 \text{ years}$$

DIAMONDS/STONES

COUNTER

Count your Diamonds @ 3,000 diamonds/Minute

Count 0.70 mm to 8.00 mm Sizes

Count a pre-set number of diamonds

Bluetooth Connectivity

100 % Accurate

Simple to operate

Save Your Valuable Time & Money

Bring Your Diamond Coutning Machine Today

FEATURES OF DIAMOND COUNTING

1) Counts Diamonds of all shapes from 0.7 mm to 3 mm, at speeds of up to 3,000 Diamonds/Stones per minute.

2) Quickly separate a large bag of Diamonds into smaller ones.

3) Enables reassignment of labor to more complicated tasks.

4) Counts a pre-set number of Diamonds/Stones.

5) Diamonds/Stones can be poured directly into plastic bags or a measuring cup

6) Bluetooth connectivity

7) Results can be transferred to PC software,

8) Excel spreadsheets or proprietary software

BENEFITS OF DIAMOND COUNTERS

1) Delivers 100% accuracy.

2) Save time and Money.

3) Simple to operate, with a user-friendly interface

4) Low maintenance and easy to clean

5) Small enough to use on any desk or worktop

6) Enables reassignment of labor to more complicated tasks

DATA COUNT JR

Features :-

✓ Counts Diamonds/Stones of all shapes from 0.7 to 3 mm, at speeds of up to 3,000 Diamonds/Stones per minute

✓ Counts a pre-set number of Diamonds/Stones

✓ Diamonds/Stones can be poured directly into plastic bags or a measuring cup

✓ Bluetooth connectivity

✓ Results can be transferred to PC software, Excel spreadsheets or proprietary software

✓ Compatible with Seiko label printer

DATA COUNT JR GEM

Features :-

✓ Counts Gem Stones of all shapes from 0.7 to 3 mm, at speeds of up to 3,000 Gem Stones per minute.

✓ Counts a pre-set number of Gem Stones.

✓ Stones can be poured directly into plastic bags or a measuring cup.

✓ Bluetooth connectivity.

✓ Results can be transferred to PC software, Excel spreadsheets or proprietary software.

✓ Compatible with Seiko label printer.

TABLETS/CAPSULES

COUNTERS

DATA COUNT PH-JR

Features :-

✓Counts pellets of all shapes from 0.25 to 3 mm, at speeds of up to 3,000 pellets per minute.

✓Counts a pre-set number of tablet/ pellets.

✓Tablet/ pellets can be poured directly into plastic bags or a measuring cup.

✓Bluetooth connectivity.

✓Results can be transferred to PC software, Excel spreadsheets or proprietary software.

✓Compatible with Seiko label printer.

DATA COUNT PH-50

Features :-

✓Precisely counts all shapes of tablets and capsules from 1 mm to 25 mm in size at speeds of 900 tablets/ capsules per minute.

✓Accuracy of nearly 100%

✓No pre-calibration required

✓Counts a pre-set number of tablets/capsules.

✓Can be incorporated in an automatic filling machine

✓Operation by Touch panel PC

✓Fast emptying

✓Air system protection on the detection unit

BULK TABLET COUNTER

BULK TABLET COUNTER

- ✓ 100% accuracy.

- ✓ Can be integrated with any bottling machine.

- ✓ Available 1-4 module configuration.

- ✓ 40 to 160 bottle per minute depending on number of modules.

- ✓ 3 times the output of existing counters per footprint.

- ✓ 4 tool free release contact parts per module.

- ✓ Less than 5 Min Changeover without tools.

- ✓ Counts all round and oval tablet and capsules.

- ✓ Complete cGMP design -no "blind spots".

- ✓ CFR Part 11 compliance.

CONTACT US

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Thank You!