Data Technologies

SEED COUNTERS WITH HIGHEST SPEED AND PRECISION

WINTERSTEIGER

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DATA Detection Technologies

DATA Detection Technologies has revolutionized field trial research with their advanced counting solutions, developed since 2002. By replacing outdated manual counting and weight- and volume-based procedures, their vision-based bulk counting technology offers unmatched speed and accuracy without compromising quality.

With their proprietary 360° image processing ICI technology, seeds are counted in real-time with 100% accuracy as they free-fall through the detection unit.Field trial researchers benefit from accelerated data collection, improved efficiency, and accuracy, enabling more extensive trials, increased sample sizes, and robust data analysis.The accuracy of DATA's counting solutions ensures reliable and informed decision-making, eliminating the inaccuracies associated with traditional methods.

Your benefits summed up:

R-60+ / R-25+ / S+60+ / S-25+ / C&F S-60X

- Maximum count accuracy of almost 100 %
- Automatic calculation of TGW
- Automatic calibration for all seed types
- Ergonomic and quick emptying of filling funnel
- Low maintenance and easy to clean
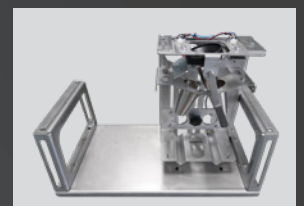
Seed counter

Seed counter

The Seed Count R-60+ and Seed Count R-25+ have been specially designed to meet the needs of seed breeders, field trials managers, and scientists in agricultural research. They are capable of delivering extremely high counting speeds of up to 200 grains per second (R-60+) or 125 grains per second (R-25+) respectively.

The new Research Software and 15" touchscreen PC allows barcode scanners, scales, and label printers to be easily integrated, enabling automatic and precise calculation of thousand grain weight while eliminating possible operator errors.

The Seed Count R-60+ also enables users to quickly and efficiently fill different numbers of seeds per bag for trials. This can be in a predetermined order as listed in Excel or CSV files, or in a randomized order when a barcode scanner is being used. Short feet (for the double outlet) are supplied with the R-25+ as standard. The count, weight, and thousand grain weight results are saved in Excel format.

Optional equipment:

- Foot pedal for starting the counting cycle (can also be started from the PC) – standard on the R-60+
- Barcode scanner with USB port
- Scale for automatic calculation of TGW
- Double outlet for further increase of bag filling speed (up to double performance)
- Label printer

Double outlet

Seed counter

Seed counter

The Seed Count S-60+ and the Seed Count S-25+ are designed particularly for the requirements of seed production, seed trade and breeding stations. The new Research Software and 10" touchscreen PC allows barcode scanners and scales to be easily integrated, enabling automatic and precise calculation of thousand grain weight while eliminating possible operator errors.

Optional equipment:

- Foot pedal for starting the counting cycle (can also be started from the PC)
- Barcode scanner with USB port
- Scale for automatic calculation of TGW
- Double outlet for further increase of bag filling speed (up to double performance)
- 1 l quick-emptying funnel

Seed counter

The Seed Count & Fill S-60X is designed to revolutionize the way you count seeds. With its advanced counting technology, ergonomic design, and intuitive interface, this count and fill machine is the perfect solution for seed companies looking to improve their seed counting processes.

Your benefits summed up:

- **Accurate counting**
- **Fast counting speeds**
- **Easy to use interface**
- **Ergonomic design**
- **Protective design**

Features:

- Precisely counts all seed shapes from 1 mm to 25 mm
- Rapidly counts vast quantities of seeds, e.g., at least 5 bags of 1,000 wheat seeds per minute
- Counts a pre-set number of seeds
- 30 funnels per carousel
- Operation via touchscreen
- Fast emptying
- Automatic pneumatic clean out of the detection unit

Seed counter

The Seed Count S-JR counts seeds from 0.7 mm up to 4 mm with a speed of up to 22 seeds per second! This technology allows seed breeders and agricultural research institutes to count quickly and flexibly with an accuracy rate of nearly 100 %. The compact device is very easy to operate via an intuitive interface and fits perfectly on every desk.

Your benefits summed up:

• **Delivers nearly 100 % accuracy**

• **Controls the stock content through precise counting instead of estimation**

• **Can be used for weight analyses of TGW**

• **Low maintenance and easy to clean**

Features:

• Counts seeds of all sizes from 0.7 mm to 4 mm at speeds of up to 1,400 seeds per minute

• Counts a pre-set number of seeds

• Seeds can be shaken straight into a plastic bag or a measuring container

• The results can be transferred to computer software or Excel sheets

• Bluetooth connectivity

• Compatible with Seiko label printer

Technical data

	R-25+/S-25+	R-60+/S-60+	C&F S-60X	S-JR
Power supply	115 - 240 VAC 50/60 Hz single phase	115 - 240 VAC 50/60 Hz single phase	115 - 240 VAC 50/60 Hz single phase	115 - 240 VAC 50/60 Hz single phase
Rating	1 A	3,15 A	3,15 A	2 A
Compressed air	0.1 bar (continuously during operation)	0.1 bar (continuously during operation)	0.1 bar (continuously during operation)	-
Dimensions (W x D x H)	550 x 450 x 650 mm	710 x 470 x 860 mm	830 x 750 x 2050 mm	210 x 210 x 200 mm
Filling funnel	1000 cc, 1 liter	6000 cc, 6 liter	6000 cc, 6 liter	-
Weight	25 kg (+5 kg PC bei R-25+)	52 kg + 5 kg (PC)	100 kg	5 kg

R-25+/S-25+ (for seeds from 0.5 mm to 18 mm)								
Seed quantity	50		100		200		1000	
	Ø counting speed in seconds	Ø bags per minute	Ø counting speed in seconds	Ø bags per minute	Ø counting speed in seconds	Ø bags per minute	Ø counting speed in seconds	Ø bags per minute
Seed type								
Maize	3	20	5	12	8	8	25	2
Wheat/Rice	3	20	4	15	7	9	12	5
Rape	3	20	4	15	5	12	8	8

R-60+/S-60+/ C&F S-60X (for seeds from 1 mm to 25 mm)								
Seed quantity	50		100		200		1000	
	Ø counting speed in seconds	Ø bags per minute	Ø counting speed in seconds	Ø bags per minute	Ø counting speed in seconds	Ø bags per minute	Ø counting speed in seconds	Ø bags per minute
Seed type								
Maize	3	20	4	15	5	12	15	4
Wheat/Rice	3	20	4	15	5	12	6	10
Rape	3	20	4	15	5	12	6	10

S-JR (for seeds from 0.7 mm to 4 mm)			
Seed quantity	50	100	1000
	Ø counting speed in seconds		
Seed type			
Wheat/Rice	6	10	70
Carrot	5	7	45
Rape	6	7	41

We reserve the right to make technical modifications.

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