

SeedTest

Automation Technologies

- An Critical link in Seed Quality Analysis



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PRICES FOR ALL ITEMS CAN BE FOUND ON OUR
WEBSITE: WWW.SEED-TEST.COM

ORDERING INFORMATION

PRICES SHOWN ON OUR WEBSITE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

We reserve the right to ship orders received with 100% advance payment Only. Firms with established credit are sold on terms of cash, 30 days from date of invoice. Past due invoices are subject to 1 ½% carrying charge per month on unpaid balance (18% per annum). Terms for overseas customer orders will be either Letter of Credit or payment in advance by wire transfer in U.S. dollars.

Orders: Call +91 6306865156 between 9:30 A.M. and 5:30 P.M IST .

Mail Order: Please designate item number, quantity, description and price. When motors are involved, specify current, voltage, phase and horsepower. Our Standard Voltage is 230 VAC 50 HZ. Be sure to give complete name and post office address. Your shipping address should include your street address or complete information to help carrier locate you. Also provide your telephone number and purchase order number if required by your firm. If you have not established credit with us, please provide the name of your bank, account number (whether checking or saving), your contact and their phone number for our evaluation.

Website: Orders can be placed directly from the SEEDTEST AUTOMATION TECHNOLOGIES website. Please provide details, specification, part number and purchase order number when required, however above payment terms apply.

WARRANTY

Seller's products are warranted to be free from defects caused by faulty materials or workmanship for a period of sixty (60) days from the date of shipment. The liability of Seller under this warranty is limited to repairing, or at its option issuing credit for, any of its products, which are returned by Buyer during such period.

SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, EXCEPT AS HEREIN STATED, AND SPECIFICALLY SELLER MAKES NO WARRANTY AS TO THE MERCHANTABILITY OF THESE GOODS OR AS TO THEIR FITNESS FOR ANY PARTICULAR USE OR PURPOSE. SELLER'S LIABILITY UNDER THIS CONTRACT SHALL BE LIMITED TO THE STATED SELLING PRICE PER UNIT OF ANY DEFECTIVE GOODS AND SHALL, IN NO EVENT, INCLUDE BUYER'S MANUFACTURING COSTS, LOST PROFITS OR GOOD WILL, OR ANY OTHER SPECIAL OR CONSEQUENTIAL DAMAGES.

SHIPMENTS

All shipments are Ex-Factory. In all cases, we will ship the fastest, most economical way. We can ship via Bluedart / Professional / Critical care Logistic by Surface or air freight. Whenever possible, we will ship Bluedart or according to your specified routing. Surface shipments will usually be made freight collect. Insurance charges in scope of buyer only. Please communicate your Insurance Number prior to our goods dispatch.

DAMAGED SHIPMENTS

SEEDTEST AUTOMATION TECHNOLOGIES CANNOT BE RESPONSIBLE FOR, NOR CAN WE ACCEPT, THE RETURN OF MERCHANDISE DAMAGED IN TRANSIT WITHOUT A RETURNED GOODS AUTHORIZATION.

RETURNS AND ALLOWANCES

RETURNS ARE SUBJECT TO A RESTOCKING CHARGE. On items shipped from a SEEDTEST AUTOMATION TECHNOLOGIES warehouse there is a 15% restocking charge. Shipments sent from the manufacturer are subject to their established restocking charge. NO MERCHANDISE IS TO BE RETURNED WITHOUT A RETURN GOODS AUTHORIZATION NUMBER, WHICH IS PROVIDED PRIOR TO RETURN SHIPMENT. Please advise why you are returning the equipment. We will then provide the correct shipping instructions for returning the merchandise. This is especially important in the return of large equipment. Include the return goods number with returns so that you will be sure to receive correct credit or replacement. ALL RETURNS ARE TO BE MADE VIA PREPAID FREIGHT.

SALES TAX

SEEDTEST AUTOMATION TECHNOLOGIES IGST/CGST/IGST as applicable per product will be collected as mandated by law. If you have a Sales Tax Exemption Certificate, make sure it has an original signature, and is on file with SEEDTEST AUTOMATION TECHNOLOGIES when purchasing product

Address :

SeedTest Automation Technologies
303, 3rd Floor, Topaz Building, Punjagutta
Hyderabad 500 082 |INDIA

GST Number : 36AEAFS6169Q1Z8



SEED ANALYSER

Your specialist for seed analysis

VEGETABLE SEEDS | AGRICULTURE SEEDS | FLOWER SEEDS |
HERB SEEDS | GRASS SEEDS



MARViN ProLine

Specific analysis parameters

Analyze almost all types of vegetable seeds, whether small or large
Deliver only the best quality by controlling broken seeds
Make your analysis safe. We offer a plausibility check
Determine active Potato Seeds (TPS) by the light/dark detection
Detect empty seeds e.g. for parsnips

General analysis parameters

Seed size (area, length, width)
Seed shape (ratio L/B, circularity)
Thousand-grain weight (TKG)
Seed fractionation (by area, length, width)

The measuring time for the optical result will be less than 3 seconds independent of the number of seeds

10028-E MARVIN ProLine seed analyser # for grain dimensions from 0.8 mm (cereals, vegetables, flowers, oil-seeds etc)



MARViN CompactLine

MARVIN precision system for laboratory use

- very fast measuring time < 3 sec.
- for grain sizes from 0,2mm´
- Counting accuracy at least 99%
- group mode for higher numbers of samples
- fractionation of length, width, area
- Highest accuracy from 1 to 1000 (or more) seeds
- Computer with MARVIN software necessary
- External scale is necessary

10030-E MARVIN CompactLine seed analyser # for grain dimensions from 0.2 mm (cereals, vegetables, flowers, oil-seeds etc)

Sampling Tools

The first essential step in grain grading is to obtain a correct and representative sample. Rail cars, trucks, wagons or barge loads should be sampled with a double tube probe in five or more places.

SeedTest partitioned probes are made to conform to standard specifications. They are constructed from extra heavy gauge tubing for durable, time-tested sampling



Sampling Probes – Trier

| 1 | Single Tube Size | | |
|--------------|------------------|---------|---------|
| Trier Length | 900 mm | 900 mm | 500 mm |
| Outer Dia | 37.5 mm | 25.0 mm | 25.0 mm |
| Openings | 4 | 5 | 5 |

| 2 | Double Tube Size | |
|--------------|------------------|-----------|
| Trier Length | 900 mm | 1500.0 mm |
| Outer Dia | 25.0 mm | 37.5 mm |
| Openings | 5 | 5 |

Grain Sampling probes can be customised to user requirements.
Made of Brass or chrome plated Mild Steel



Bag Trier – Parkhi

Available in sizes of 6", 9", 11", 14", 16"

Assorted sizes available for sampling flower, vegetable, coffee beans and sunflowers.

Bag Triers can be customised to user requirements.

Made of Brass or chrome plated Mild Steel

Our Bag Triers assist in the collection of samples from your grain and seed bags.



Nobbe Trier

The Nobbe type seed trier is used for sampling free-flowing, small seeded crops in bags or penetrable containers. It is ideal for clovers, timothy, brassicas, fine grasses such as bluegrass, and small vegetable seeds. It is inserted horizontally into the seed bag and the sample pours out of the open end. Seedburo's Nobbe trier available in a 1/2" or 3/4" diameter version; Options for either 20" or 30" overall length. The one opening starts 23/8" from the tip and is 21/2" long.

Available in Brass or Stainless Steel. Ship dims: 21" (L) x 4" (W) x 4" (H).

SAMPLE DIVIDERS



BOERNER DIVIDER

The Boerner divider reduces the size of the grain sample while maintaining the equal distribution of the original sample.

The divider is gravity operated. Sample is placed in the hopper and released by moving a slide gate located in the hopper throat. The product is evenly dispersed over a cone that has 38 pockets. The grain, after initial separation, is rejoined into two chutes which empty out of the bottom hopper.

STA

No of Pocket 38
3 Kg Hopper Capacity



GAMET DIVIDER

The Precision Gamet Divider is used to obtain representative sub-samples from a submitted seed or grain sample as outlined under the AOSA rules. This divider eliminates the time consuming process of mixing, dividing and weighing the submitted sample for reduction. Exact representative samples are obtained by pouring the sample in the hopper and the centrifugal action of the divider mixes and evenly divides the sample into the two bottom chutes.

The Precision Divider has sleeve bearing drive for a smooth and long lasting operation. Top is easily removed for thorough cleaning between samples.

Motor Driven with centrifugal action, Rotating neoprene disc used for rough, glumes and sticky seed lots.

STA

Gamet Divider
Hopper Capacity 2 Kg
Size : 38 H x 31 W x 51 D cm (Approx)
Voltage : 230 VAC , 1 Ph, 50 HZ



RIFFLE DIVIDER

The Riffle Divider is used for halving dry materials. These splitters are easy to use and easy to clean. As the Product is poured in the hopper it is divided into two equal portions by a series of chutes which discharge alternatively in opposite directions into separate pans

| | |
|-----|-----------------|
| STA | No of Chutes 12 |
| STA | No of Chutes 14 |
| STA | No of Chutes 24 |

PFEUFFER



Pfeuffer - RIFFLE DIVIDER

Available in four sizes: 3, 5, 10 and 18 liters
Three different numbers of slots: 10, 18 and 34
Different slot widths: from 9.8 to 29.0 mm
Also suitable for granulates, flour and powder

Function

The initial sample is put into the attached container and closed by tilting it (dividing ratio 50:50). If the sample is to be divided again, depending on the model a drawer can be relocated or the contents of a drawer put into the attached container and the procedure repeated.

Deliverable containers

Container type 1 is supplied with 2 collecting containers, has a closed attached container and is optimum for halving the initial sample quantity.

Container type 2 is supplied with 3 identical collecting containers. It has an attached container with an opening for sliding in and for quick relocating of the collecting container. It also has a flap that opens just before the highest point and minimizes the amount of dust. The closed structure is therefore particularly suitable for multi-stage dividing of dusty samples, flour, granulates and powder. Container type 3 has an additional flap for alternative use with or without a collecting container.



SAMPLE MILLS



Disc Grinder SJ 500

The SJ500 performs a particle size distribution compatible with various type of analysis or products, according to the setting of the distance between the discs (e.g. fine for Falling time, Near Infrared and coarse for Oven dry analysis). The grinding discs are made from hard metal and easily replaceable.

The grinder is supplied with one extra set of spare discs.

SJ500

Disc Grinder
230 VAC, 1 Ph, 50 HZ



UDY Cyclone Sample Mill

This quality Lab Mill is designed for general purpose grinding of a variety of materials. The lower grinding speed and lower cost make the direct drive model ideal for a variety of lab grinding applications:

The Udy Mill is designed for rapid uniform grinding of a wide variety of feeds, grains, fertilizers, etc., with complete recovery of sample. The air flow provides self-cleaning action and minimum temperature rise. Cross contamination and clean-out between samples are essentially eliminated.

The UDY Cyclone Sample Mill is powered by a 1/2 hp AC/DC universal 115V; 10,000 rpm full load (16,000 rpm no load) The grinding ring has tungsten carbide abrasive particles on a steel base. Ground material is collected in 120 ml glass bottles, fabric bags, or other containers.

STA 3010-014

Cyclone Sample Mill - Direct Drive
Dimensions: 26x26x47 cm xWxH.
Carton: 34x34x41 cm LxWxH.
Net weight: 13 kg | Shipping weight: 15 kg




Wiley Mill


Wiley Mill offered is used for grinding of dry plant samples as well as a large variety of commercial dry materials. The unit features two stationary steel blades and rotary that comes with steel edges provided in cast Iron chamber. These also feature removable safety glass sheet plate from face of chamber to permit observation during operation. Coming fitted on sturdy cast iron base, the complete unit comes supplied with polished hopper with cover, aluminum/cast chamber, three delivery tubes mounted with , wooden plunger and other components


STA

Wiley Mill
Capacity 5gm – 25 gm sample per batch, Grinding adjustable to obtain different size of particles. Complete with motor, mesh screen and other standard features

SAMPLE WEIGHMENT – BALANCES

| | | | |
|---|--|--|--|
|  | <h3>Analytical Balance (Radwag)</h3> <p>Balance of the AS R2 PLUS series is a standard analytical weighing device of the SYNERGY LAB line. The AS R2 PLUS is exceptional due to a range of modern constructional and system solutions that guarantee reliability, precision and accuracy of measurement, and make everyday operation easy.</p> <p>Minimum load 10 mg Tare range -220 g Display LCD (backlit) Communication interface 2xRS232, 2xUSB-A (interchangeable), USB-B, Power supply 100 ÷ 240 V AC 50 / 60 Hz Packaging dimensions 495x400x515 mm Net weight 7.3 kg Gross weight 9.3 kg</p> | | |
| | AS220R2 Plus | Maximum capacity [Max] 220 g Readability [d] 0.1 mg Adjustment internal (automatic) Weighing pan dimensions ø100 mm | |

| | | | |
|---|--|--|--|
|  | <h3>Precision Balance (Radwag)</h3> <p>Precision balances enable fast and accurate determination of mass in laboratory and industry. The devices are equipped with an internal battery which allows their operation in places where there is no access to the mains.</p> <p>The balance features a stainless steel weighing pan, and a backlit LCD guaranteeing clear weighing result presentation.</p> <p>Communication interfaces: 2xRS232, USB type A, USB type B. The interfaces enable cooperation with peripheral devices, e.g. printer, computer, USB flash drive, additional display. The WLC balances feature real-time clock and ALIBI memory. Optionally, they can be equipped with 4 IN / 4 OUT.</p> | | |
| | WLC 6/A2/C/2 | Maximum capacity [Max] 6 Kg Readability [d] 0.1 g Minimum Load [Min] 5 gm Operation time on batteries 15 h (average time) | |

|  | <h3>Top Loading Balance (Radwag)</h3> <p>Compact and mobile solution of standard class allowing universal mass measurement</p> <p>Compact Mechanical Design Small size and compact design enable easy transport of the balance and operation at any workplace, even on a small surface.</p> <p>Addition to power supply from the mains, the WLC balances are equipped with an external battery that enables several hours long mobile operation</p> | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------|---------------|-------------|---------------|---------|-------|---------|---------|---------|-------|--------|-----------|----------|--------|--------|-----------|----------|--------|-------|-----------|--|
| | <table border="1"> <thead> <tr> <th>Model</th> <th>Capacity</th> <th>Readability</th> <th>Pan Dimension</th> </tr> </thead> <tbody> <tr> <td>WTC 200</td> <td>200 g</td> <td>0.001 g</td> <td>Dia 100</td> </tr> <tr> <td>WTC 600</td> <td>600 g</td> <td>0.01 g</td> <td>128 x 128</td> </tr> <tr> <td>WTC 2000</td> <td>2000 g</td> <td>0.01 g</td> <td>128 x 128</td> </tr> <tr> <td>WTC 3000</td> <td>3000 g</td> <td>0.1 g</td> <td>128 x 128</td> </tr> </tbody> </table> | Model | Capacity | Readability | Pan Dimension | WTC 200 | 200 g | 0.001 g | Dia 100 | WTC 600 | 600 g | 0.01 g | 128 x 128 | WTC 2000 | 2000 g | 0.01 g | 128 x 128 | WTC 3000 | 3000 g | 0.1 g | 128 x 128 | |
| Model | Capacity | Readability | Pan Dimension | | | | | | | | | | | | | | | | | | | |
| WTC 200 | 200 g | 0.001 g | Dia 100 | | | | | | | | | | | | | | | | | | | |
| WTC 600 | 600 g | 0.01 g | 128 x 128 | | | | | | | | | | | | | | | | | | | |
| WTC 2000 | 2000 g | 0.01 g | 128 x 128 | | | | | | | | | | | | | | | | | | | |
| WTC 3000 | 3000 g | 0.1 g | 128 x 128 | | | | | | | | | | | | | | | | | | | |

MOISTURE ANALYSER



| | | |
|--|--|---|
|  DICKEY-john SINCE 1966 | Portable Grain Moisture Meter - MiniGAC | |
|  | <p>The Mini GAC measures moisture by capacitance, conductance, internal scale and temperature. The moisture range is 5-45%, depending upon the grain type, and has a grain temperature range of 32 - 122°F (0-50°C). The Mini is a whole grain moisture tester and sample size is approximately 1 pint. It has an LCD adjustable contrast display. It can hold twenty (20) grain calibrations, but the user can choose from over 450 calibrations that will available on the Dickey-John web site. Complete with 9V battery, carrying case (Plus model only), funnel assembly, belt clips, instructions and 1 year warranty.</p> | |
| | MiniGAC | Portable Grain Moisture Meter MiniGAC Number of Calibration: 20 (Repraogrammable) Measurement : Capacitance, Conductance, Weighment, Temperature. Net weight 2 lbs. 7oz, 11.9"H X 4.8"W x 8.3"D. Oil Seeds – Grains – Pulses – Vegetable Seeds |
|  DICKEY-john SINCE 1966 | Portable Grain Moisture Meter – M20P | |
|  | <p>Discover the convenience of versatile, high-speed moisture testing with the M20P portable moisture tester. No cups or screw-on caps—just get a simple scoop from bins or hoppers.</p> <p>Featuring ±0.5 repeatability with normal stored grain, this technologically advanced unit lets you easily bias to match readings to local elevator tests. Select grain types with the push of a button, and change grain calibrations with a simple download.</p> | |
| | M20P | Portable Grain Moisture Meter M20P Number of Calibration: 20 (Repraogrammable) Measurement : Capacitance Used for Field Crops : Paddy, Maize, Soya, Sunflower, Bajra, Peas, Sorghum, Mustard, Horsegram |
|  DICKEY-john SINCE 1966 | GAC – Grain Moisture Computer | |
|  | <p>The GAC2100AGRI is a 'farm use' moisture tester, non-NTEP, and is calibrated for 8 commodities. It is ideal for the larger farmer who stores his own grain and is economically priced. The tester provides a moisture reading, automatic sample weighing, test weight or density, and temperature compensation automatically. See the following link for up to date calibrations lists for this model</p> <p>Actual dimensions are 16"L x 15.25"W x 14.75"H. Shipping dimensions are 23"L x 22"W x 19"H. Net weight 26 lbs., ship weight 36 lbs.</p> | |
| | GAC2100 AGRI | Model GAC2100AGRI Number of Calibration : 08 (Reprogrammable) Measurement : Capacitance, Conductance, Weighment, Temperature. Display : Moisture %, Temperature and Bulk Density |



| | | |
|---|---|--|
|  | <h3>IR Moisture Analyser</h3> | |
|  | <p>Moisture analyzer is a laboratory measuring instrument intended to determine relative humidity for small samples of different materials. MA.R series redefines moisture analyzers standards. This series has been equipped with brand new readable LCD display providing an extra text line for information such as supplementary messages and data, e.g. product name or tare value. The moisture analyzer, using respective pictograms, signalizes currently activated mode, computer connection and functions, both balance and service ones. The MA.R series is enriched with various interfaces: RS232, USB type A, USB type B and Wi-Fi®. The moisture analyzer is housed in a plastic casing.</p> | |
| | <p>MA 50R</p> | <p>Maximum capacity [Max] 50 g Readability [d] 1 mg Weighing pan dimensions ø90, h= 8 mm Moisture content readability 0.001% Drying temperature range max 160 °C</p> |
|  | <h3>HE Lite Moisture Meter</h3> | |
|  | <p>The moisture content is crucial for determination of the correct harvesting time</p> <p>The HE lite measures the conductivity and temperature of a crushed grain sample. State-of-the-art measurement technology calculates the exact moisture value from this. The integrated measurement cell of the HE lite is based on the Pfeuffer principle which has been well-tried for more than 45 years: The sample is crushed and homogenized at the same time by special grinding discs.</p> | |
| | <p>1170 0000</p> | <p>HE Lite 3 x1.5 Volts AA Cells Dimension : 200x 82 x85 mm Weight 0.9 Kg</p> |
|  | <h3>HE 50 Moisture Meter</h3> | |
|  | <p>Precision for the most important reference variable in combine harvesting – reliability during threshing, drying and storage.</p> <p>Pour the sample (11 ml) into the bottom part of the measuring cell and screw the measurement cell together using the ratchet. The homogenization of the sample in the measurement cell provides the optimum prerequisites for accurate moisture measurement. The HE 50 is therefore extremely reliable with freshly harvested grain up to the high measuring range.</p> | |
| | <p>1150 0010</p> | <p>HE 50 Monoblock Battery Dimension : 220x120x65 mm, Weight : 1.7 Kg</p> |



Moisture Analysis (Oven)

| | |
|--|---|
|  | <h3>Hot Air Oven / LOD Oven</h3> |
|  | <p>Triple walled in construction with Inner made of Stainless Steel – 304 & Exterior of GI/MS sheet duly finished in powder coated shade in REGULAR MODEL.</p> <p>Inner SS 316 or SS 304 Exterior SS 304 Matt/Buff finish in GMP/CGMP Models.</p> <p>High quality compressed glass wool or cerawool insulation between walls to Prevent heat – loss.</p> <p>A fully insulated door with sturdy brass SS hinges with handle lock and gasket with perfect sealing is provided to open/ close the door.</p> <p>Automatic autotuning Microprocessor based PID Temp. Controller with Dual Digital Indicator & PT – 100 sensor.</p> <p>Perforated Inner chamber for Air Circulation & uniform distribution of Temp.within chamber.</p> <p>Air circulation by motorized blower for uniform distribution of Temp. within chamber.</p> <p>The heating is provided by U Type SS Air Heater.</p> <p>Available with SS 304 Rod type shelves.</p> <p>Temperature Range: 5°C above ambient to 250°C. Temperature Accuracy: ± 1°C.</p> |
| <p>Model CIC 15 B</p> | <p>INNER SIZE (W X D X HT.) : 18" x 18" x 18" CFT : 3. LTRS. : 96 SHELVES 02 POWER : 2000 WATTS</p> |
| <p>Model CIC 15 D</p> | <p>INNER SIZE (W X D X HT.) : 24" x 24" x 24" CFT : 8 LTRS. : 228 SHELVES 03 POWER : 3000 WATTS</p> |
| <h3>Desicator</h3> | <h3>Aluminium pans</h3> |
|  <p>STA-DES</p> |  <p>AVAILABLE IN 2" , 4" , 5 " DIA</p> |



SEED COUNTERS



| | | |
|---|---|-------------------------|
|  | <h3>ELECTRONIC SEED COUNTER - ECONOMICAL</h3> | |
|  | <p>Max counting : 99999 Error Indication : Automatic Continuous working time : More than 5 hours. Speed : 1000/ 3 minutes Seed Counting : Automatic. Power : 230VAC Display : LED Mode : Continuous / Batch Silent Operation & Small foot print Typical Product Application : Rice, Wheat, Mustard, Corn, Sunflower, Sesame vegetables Seeds - Okra, Gourds, Brinjal, Cauliflower, flowers seeds and tobacco etc</p> | |
| | AG-SC | Electronic Seed Counter |


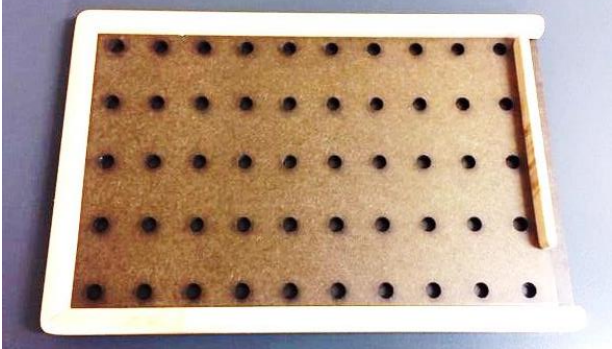
| | | |
|---|--|---|
|  | <h3>CONTADOR SEED COUNTER</h3> | |
|  | <p>The Contador selects its counting speed automatically depending on the size of the material/seeds to be counted. This guarantees optimum use of the counting capacity and reduces counting time to a minimum while maintaining counting accuracy. Shortly before counting is complete the CONTADOR reduces its counting speed to assure accuracy and minimize overcounts.</p> <p>Counting speed may be adjusted manually if desired. The CONTADOR recognizes when the feed container or receptacle is empty or missing and stops counting. Particles that are significantly smaller in size are not counted. The seed size may be manually adjusted for optimum count.</p> <p>THE CONTADOR COMES COMPLETE WITH ONE HOPPER SIZE OF YOUR CHOICE, CONTAFILL SOLD SEPARATELY</p> | |
| | 1410 009 | Contador Dimension : 430x235x380 mm Weight 16 kg |

| | | |
|---|--|---|
|  | <h3>CONTADOR 2 SEED COUNTER</h3> | |
|  | <p>The Contador 2 is the faster companion to the Contador line of seed counters and packagers.</p> <p>The proven handling of the hoppers, the short feeding distance and the high counting precision are now complemented by a considerably higher counting speed. With the traditional Contador it took approximately 90 seconds to count 1000 rape seeds, with the Contador 2 this only takes <i>12 seconds</i>. Hoppers for small seeds (no. 1) or cereals (no. 2) or corn/soy (no. 3) allow fast and flexible use for different seed types.</p> <p>For bigger sample quantities, an automatic sample feed is optionally available. The Contador 2 is equipped with a serial RS232C and a Contafill interface to which the filling station can be connected</p> | |
| | 1410 0019 | Contador 2 Dimension 375 x168 x 185 mm Weight 4.5 Kg |



Vacuum Seed Counter


| | | |
|---|---|--|
|  | <h3>VACCUM SEED COUNTER - WORKSTATION</h3> | |
|  | <p>Complete vacuum seed counting workstation, suitable for one user. Add a vacuum counting head (sold separately) and you are ready to plug in and use. Workstation has a 24"x24" worktable which folds down for ease of storing. The cabinet is made of cabinet grade veneer and is completely self-ventilated and insulated on casters. Oil-less vacuum pump, muffler, filter, relief valve and gauge are also standard. Included in this system are electric valve, foot switch, and 5' hose with swivel connector. Vacuum pumps in insulated cabinets operate at conversation decibel levels (Approx. 74 db).</p> | |
| | <p>VPWS-100-2</p> | <ul style="list-style-type: none"> • 3/4 HP (1HP Model Available) • 115V/60Hz or 220V/50Hz • 24"x16"x30"H • Shipping Wt 163 lb |

| | | |
|---|---|---|
|  | <h3>VACCUM SEED COUNTER</h3> | |
|  | <p>Complete vacuum seed counting system, suitable for up to three users. Add your custom vacuum counting head (sold separately) and you are ready to plug in and use. For each additional user add a hose and hand valve or complete assembled set with foot switch (VAC CAS). The cabinet is of hard-board veneer and is completely self-ventilated and insulated on casters. A 1.5 HP oilless vacuum pump, muffler, filter, relief valve and gauge are also standard. Included in this system are electric valve, foot switch, and 5' hose with swivel connector.</p> | |
| | <p>VPS 150 1.5 HP</p> | <ul style="list-style-type: none"> • 1.5 HP Oilless Vacuum Pump 8.5 CFM@15"HG • 32"Wx19"Dx20"H • Shipping Weight: 200 lbs. |
| <p>Other Configuration</p> | <p>VPS100 1 HP Vacuum System</p> | <ul style="list-style-type: none"> • 1 HP Oilless Vacuum System 6.6 CFM@15"HG • 32"Wx19"Dx20"H • Shipping Weight: 190 lbs. |
| | <p>VPS075 3/4 HP Vacuum System</p> | <ul style="list-style-type: none"> • 3/4 HP Oilless Vacuum Pump 4.3 CFM@15"HG • 24"Wx16"Dx14"H • Shipping Weight: 175 lbs. |

| | |
|--|--|
|  | <h2>Counting and Planting Boards</h2> |
| <p>Counting boards by Hoffman Mfg. Inc. These trays/boards are ideal for counting and spacing most seeds. Made of 1/8" – 1/4" tempered board or 1/8" – 1/4" acrylic. Built to last decades. Wood boards are held together with stainless hardware and acrylic boards are solid bonded.</p> |  <p>Hoffman counting and planting boards. The industry standard for practically 60 years. Let us help you solve your planting needs. Computer drafted designs and laser precision make Hoffman boards the most accurate and cost effective in the world.</p> |
| <p>Ad seeds to the top, gently shake/rotate until the holes are all filled, shake the excess seeds off at the opening. Seeds are then released by sliding spring loaded top board and placed evenly spaced on your planting medium.</p> <p>All counting boards are custom made to your specifications. If you desire a specific pattern please include this information with your order. We can make ANY hole size.</p> <p>When ordering please specify outside dimension, hole size (1-14a) or custom hole size, and number of seeds to be counted as well as if you would like a straight or staggered pattern.</p> <p>Acrylic trays are recommended for wet applications and are available in any size as well.</p> | <p>Counting & Planting Board 10"x11" 100 Hole, Counting & Planting Board 10"x11" 50 Hole, Counting & Planting Board 11"x15" 100 Hole, Counting & Planting Board 11"x15" 50 Hole, Counting & Planting Board 11"x22" 100 Hole, Counting & Planting Board 11"x22" 50 Hole, Counting & Planting Board 7"x10" 100 Hole, Counting & Planting Board 7"x10" 50 Hole, Counting & Planting Board 8"x11" 100 Hole, Counting & Planting Board 8"x11" 50 Hole, Counting & Planting Board 8"x12" 100 Hole, Counting & Planting Board 8"x12" 50 Hole, Counting & Planting Board 8"x21 1/2" 100 Hole, Counting & Planting Board 8"x21 1/2" 50 Hole, Counting & Planting Board 9"x15" 100 Hole, Counting & Planting Board 9"x15" 50 Hole</p> |

Cleaning and Separation Equipment

| | | |
|--|---|-------------------------------|
|  | <h3>Oregon Seed Blower (Counter Top Model)</h3> | |
|  | <p>Economical laboratory blower for cleaning and separation of most seed samples. The blower is operated with a variable duration timer. The OSBC model features a cabinet grade hardwood veneer cabinet. A removable sample cup eliminates the need to disassemble the entire air column for sample removal. New style tube kit offers removable side cups that catch lighter material.</p> <p>Blower and tube kit/ cup housing are sold separately. Tube kit/ cup housing is required for operation. Order any of the three sizes of tubes with your blower.</p> <ul style="list-style-type: none"> • 22 1/2"x16"x17 1/2"H • Shipping Weight 53 lbs | |
| | OSBC 220 | Compact Seed Blower 220V/50Hz |

| | | |
|---|--|--------------------|
| <p>HOFFMAN MANUFACTURING</p> <h3>HMC67 Seed Blower</h3> | | |
|  | <p>The HMC67 Blower is a precision built laboratory machine designed to separate light and heavy fractions of a great variety of seeds. The blower is equipped with a synchronous motor to insure uniform RPM and therefore consistent test results. Air flow is regulated with a calibrated vernier gate and adjusted with a calibrated hand wheel for precise adjustments that can be easily repeated. Large tube kit is standard with the HMC67 Seed Blower. The HMC67 Blower is designed for the Uniform Blowing Procedure on Kentucky Bluegrass and other Grass species as described in the AOSA Rules for Testing Seeds.</p> <p>23"x22"x18"H Shipping Weight: 70 lbs 1 1/2" Small Tube Kit or 2 5/16" Large Tube Kit</p> | |
| | HMC67-220L 50/60HZ | HMC 67 Seed Blower |



Grain Cleaner Laboratory Aspirator

This machine is ideal for analysts, inspectors and laboratory workers who require separation of granular and foreign material. Separation is accomplished by means of a controlled current of air passing through the material as it falls at a regulated rate of flow.

The Grain Cleaner/Aspirator is equipped with an air slide gate valve which restricts or increases the air passage to the centrifugal collector.

Shipping Weight: 70 lbs
Dimensions: 34"x18"x26"

63VSC220

Grain Cleaner/Aspirator



Sample Sheller

Designed to comply with service requirements of The U.S.D.A. Federal/State Rice Inspection Service, the No. 64 Laboratory Sample Sheller for Paddy Rice provides a rapid, easy and efficient method of shelling, while utilizing only one piece of equipment that will accommodate dry paddy rice samples.

The No. 64 Laboratory Sample Sheller for Paddy Rice is offered in two basic models: with husk collector and without husk collector. The husk collector recovers hulls in a clear plastic cup connected to the machine by two flexible hoses. This material can be weighed later for analysis.

The collector is also recommended for cleanliness of operation but may be by-passed to blow the hulls away, if desired.

64DC 220

Sample Sheller

Cleaning and Grading Equipment



Electromagnetic Sieve Shaker



Electromagnetic Sieve Shaker Model VSS 9 is ideally used as a Particle Size Analyser for Governing the Separation of Particles according to their sizes. It is used for sieve analysis in Applications of Cements, Sands, Crushed Rocks, Clays, Granites, Feldspars, Coals, Soils, Wide range of Manufactured Powders, Grains, Seeds, Food Processing Industry, etc.

Our Sieve Shaker offers total flexibility enabling optimum settings to be established for virtually any material under test. The instrument is fitted with a special clamping device that ensures that the sieves are held firmly and allows them to be quickly removed and replaced. Non-Metallic Springs and Anti-Vibration Mountings are fitted to isolate vibrations from work surfaces and reduce noise levels.

VSS9 Sieve Stack : Height 50 mm (8 sieves), 25 mm (16 sieves)
Vibration Frequency : 1000 times/minute
Programmable Time : 1 to 60 minutes
Max Batch : 3 Kg

Sieves



We offer two kind of Test Sieves, Perforated plate Test sieves and woven wire test sieves

Size Range : The Aperature size of perforated plate sieves ranges from 4mm to 125mm and for woven ranges for 38 micron to 850 micron

Diameter Range : Standard Dia 50, 100, 200, 300, Customised on Request

Material Used : Stainless Steel and Brass

Manufactured in accordance with ISO 3310:1-2000 Standards

Entire Sieve manufactured in SS316



| | |
|---|-------------------------------|
| Size : | 8 " dia x 2" depth |
| Standard Perforation Size: | 1, 1.6, 2.1, 3.2, 4.8 mm (RH) |
| Assorted Perforation sizes available on user demand Also available bottom and lid . | |

STA Brass Test Seive

GRAIN – SEED Inspection



Purity Work Board



The Purity Workboard is used to aid the analyst in critical inspection and separation of seed and grain samples. A long lasting LED light is provided beneath a smooth opal white glass surface to illuminate the working sample. Removable drawer is located in the front for storage or collecting from the sample. Solid hardwood veneer construction makes this model a durable, long lasting asset to any lab.

- Dimmer to adjust light intensity for user specific applications
- Flashed Opal Glass for smooth, even light transmission.

STA-PW-A

Purity Work Board
Shipping Weight: 33 lbs
Dimensions 33-1/2"Lx13"Wx4-1/2"H



Illuminated Purity Work Board with Diaphanoscope



Combination Purity Workboard and Diaphanoscope provides a convenient work area on smooth glass surface for seed and grain analysis. A light placed under and shining through the glass assists in critical examination of the sample. Used by grain inspectors and seed analysts. The purity workboard and diaphanoscope is ideal for grain grading and checking for stress cracks, germ damage and seed viability.

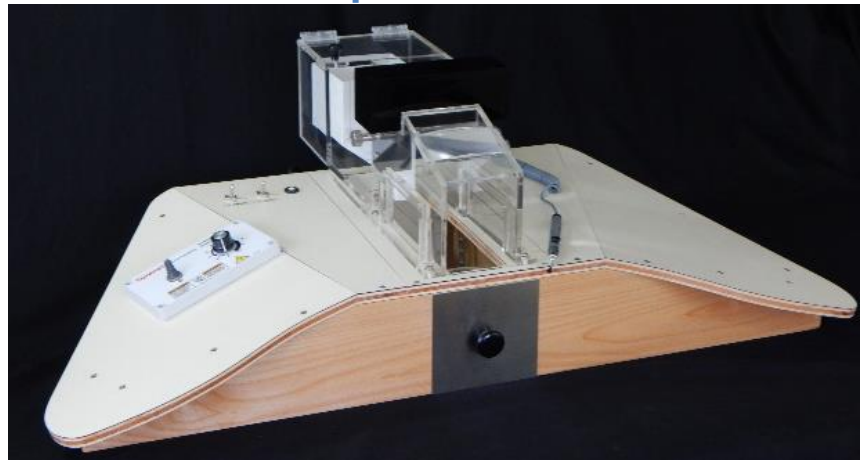
Equipped with 2 Drawer

STA-PW-B

| | |
|----------------|-------------|
| Magnification: | 4x |
| Work Area: | 8"X5" |
| Table Size: | 24"X11" |
| Light Source: | 2 x 25w CFL |



Treated Seed Inspection Station



The Treated Seed Inspection Station helps seed analysts avoid neck and back pains and serious arm and wrist problems while protecting them from toxic fumes which may be encountered with the use of treated seed. This station enables analysts to work comfortably for hours, which can increase accuracy and productivity. The purity analysis of seeds that have been treated with poisonous fungicide compounds has been a controversial issue for years. It is the opinion of some individuals that there is a possibility that the more common mercuric treatments could be harmful when a person is subjected to prolonged breathing of dusts and vapors. Some analysts have complained of eye and nose irritation when examining treated seeds. The conventional hand method, using a hand lens and forceps, orients the analyst in close proximity to the treated seed, thus providing an excellent opportunity for breathing these dusts and vapors. The treated seed inspection station was designed to protect the user from harmful dusts and vapors given off by various seed treatments during purity analysis.

An ergonomic and environmental hazard protection for analysts working with treated seed. Sufficient lighting is provided with a multiple LED light bank placed above the 2X magnification area which the seeds pass under. Seed flows from the hopper through the white powder coated trough for ease of viewing. An acrylic housing protects the user from dust and fumes which are removed by an enclosed blower. The provided vacuum pickup with a variety of tips, is used to remove unwanted materials through an inspection hole. Filter jar protects the vacuum from damage. Trough vibration is controlled with the provided foot switch. Left or Right handed operation. Hardwood cabinet with a smooth laminate top which is hinged for ease of cleaning. Available 110V 50/60Hz or 220V 50/60Hz

TSIS 220V/50 HZ - Treated Seed Inspection Station



CODA Inspection Station



The NEW Coda Inspection station is an ergonomically designed inspection table, allowing the analysts to work comfortably for hours increasing accuracy and productivity.

Combining the Dazor CODA Digital Inspection with the Standard Inspection Station.

A hopper at the back of the station meters seed directly to the inspection trough. Feeding of seed is accomplished by using a Syntron FTO feeder. Feed rate is achieved by the use of a variable speed Power Pulse controller mounted into the cabinet.

The ability to pause the seed in the trough is achieved using a simple momentary on off switch positioned on top of the wing for easy access.

Viewing is accomplished on any HD monitor with HDMI connections, allowing examination of the sample as it passes through the feeder trough below the lens and into a catch cup located in the front of the cabinet.

Some of the benefits include: a more natural upright posture, less neck bending, easier viewing with less eye strain and flexibility of image location capture.

Features-

- Includes CODA Camera and Arm in Either 34" or 24" and 16mm or 35mm
- Setup is fast and easy
- Allows multiple people to view at the same time. Great for teaching environments.
- Includes screen capture or video capture to thumb drive
- Using Dazor magnifier arms makes any adjustments easy
- Uses any HD monitor with HDMI connections

STA – CODA – CODA Inspection Station

SeedTest

Automation Technologies

Microscope - Compound



Magnifying lens of 3 power 10 cm diameter and 18 cm focal length mounted on a stand with removable heavy metal base for hand use

STA –MS-COM – Compound Microscope

SeedTest

Automation Technologies

Microscope – Binocular Stereoscopic



Eyepiece : 10x & 15x
Objective 2x or 4x (Fixed)
Inter pupillary Dist 50-75mm
Working distance 50 mm
Magnification 20x, 30x,40x

Stereo Binocular Microscope (mini) With 45° Inclined Head, LED Light, Reversible Black and White Stage, AA Battery Operated, Bilateral Coarse Focus, With Dustcover & Styrofoam Case

SeedTest

Automation Technologies

Microscope - Trinocular



Trinocular observation head inclined at 45 deg. Rotatable through 360 deg. Interpupillary distance adjustment ring 54-74 mm. Dioptic adjustment ring on the left having adjustable dioptic scale

Objective 4x, 10x, 40X & 100x



Herbarium Cabinet

Ideal and efficient for storing your collection of samples. Seeds, insects, minerals, or almost any small sample will fit into one of our herbarium trays.

Heavy Duty hardwood cabinet, 19"X12"x28", holds 16 herbarium trays and is available with or without a cabinet door.

STA – HR01

Herbarium Cabinet with Door



Herbarium Trays

The herbarium trays are offered exclusively by Hoffman Mfg. Used for years by universities and independent labs for storing representative samples of seeds and weeds for identification purposes.

Keep your collection organized and easily viewable. Seeds, insects, minerals, or almost any small sample!

Quality polystyrene construction assures years of use, even in the field.

Tray accommodates 78 vials up to 2 dram size.

Tray measures 17"x11".

- 1 *Tray/Cover & 78 1 Dram Vials,*
- 2 *Tray/Cover & 78 1.5 Dram Vials,*
- 3 *Tray/Cover & 78 2 Dram Vials*

GERMINATOR



FEATURES

- Digital Microprocessor Controls
- Temperature Range 37-104°F (2-40°C)
- Alternating Temperature Control
- High & Low Temperature Safety
- Cooling & Safety Indicator Lights
- Automatic Switching of Lights & Temperature
- Six Dimming LED Lights (3 Front & 3 Rear)
- LCD Display
- Sliding Shelves for Easy Sample Transfer
- 10 Wire Trays 28 5/8"x22" (17 Tray Capacity)
- Keyed Door locks
- Magnetic Door Seal
- Casters Included
- 8 Amp Power Usage

SG30 Controlled Environment Chamber/ Seed Germinator

Where value and precision meet, the SG30 controlled environment chamber/ seed germinator is a versatile chamber which is ideal for germination, incubation, plant growth, entomology, and any application where a controlled environment is desired. With cooling and heating capability natural environment conditions are easily achieved. Features such as a full length air grill, circulating fans and epoxy coated wire trays allow even air circulation for a more uniform temperature throughout.

The control system is fully automated. Simply set the controls for the desired temperature, alternating or constant, and the chamber cycles automatically. The light timer allows for operation with the lights on or off, or set to automatically come on at predetermined time and intervals.

SPECIFICATIONS

- 27 cubic foot capacity (764 liter)
- 36 1/4"Wx35 1/2"D"x84"H O.D.
- 30 1/4"Wx24 3/4"Dx54 1/2"H I.D.
- Complete with 10 wire trays 28 5/8"x22"
- (17 tray total capacity spaced 2-1/2"on center)
- Shipping Weight: 620 lbs.

OPTIONS

- Additional trays
- Port Hole
- Data Logger
- 110V Receptacle Mounted Inside Chamber

SeedTest

Automation Technologies



Single Chamber Seed Germinator

Specifications:

| | |
|----------------------|---|
| Capacity | 10 cubic feet (Apprx.) |
| Chamber Size | 550 x 950 x 550 mm (LxBxH) |
| No of Trays | 5-7 Stainless Steel Trays |
| Sensor Type | Hygroclip |
| Display | Bright Seven Segment Display |
| Temp. Range | 10°C - 60°C±1°C |
| Humidity Range | upto 95% RH ± 5% |
| Humidity Generator | Heated water reservoir |
| Controller Type | Microcontroller Based |
| Compressor | Hermetically sealed type of standard make |
| Evaporator | Finned Tubes |
| Illumination Control | Programmable |
| Power | 220v, 50 Hz A.C |

Special Features:

- Low power consumption
- Inner Chamber made of Stainless Steel
- Outer Chamber made of powder coated Mild Steel
- Multiperforated Stainless steel with adjustable positions
- Audio Visual alarm for temp/humidity deviation
- User Friendly programming features for temp, humidity and illumination settings
- Inner transparent door facilitates observation of samples without disturbing the test chamber conditions

Double Chamber Seed Germinator



Special Features:

- Low power consumption
- Inner Chamber made of Stainless Steel
- Outer Chamber made of powder coated Mild Steel
- Multiperforated Stainless steel with adjustable positions
- Audio Visual alarm for temp/humidity deviation
- User Friendly programming features for temp, humidity and illumination settings
- Inner transparent door facilitates observation of samples without disturbing the test chamber conditions

| | |
|----------------------|---|
| capacity | 10 cubic feet (Apprx.) Each Chamber |
| Chamber Size | 550 x 950 x 550 mm (LxBxH) |
| No of Trays | 5-7 Stainless Steel Trays |
| Sensor Type | Hygroclip |
| Display | Bright Seven Segment Display |
| Temp. Range | 10°C - 60°C±1°C |
| Humidity Range | upto 95%RH±5% |
| Humidity Generator | Heated water reservoir |
| Controller Type | Microcontroller Based |
| Compressor | Hermetically sealed type of standard make |
| Evaporator | Finned Tubes |
| Illumination Control | Programmable |
| Power | 220v, 50Hz A.C |



BOD Incubator

Double walled Inner having SS 304 & Exterior GI Powder Coated finish in REGULAR MODEL.

Interior 304 SS buffed finish and Exterior SS 304 matt finish in all GMP – cGMP series.

Units are highly insulated by PUFF/Wool between the walls to minimize the heat exchange.

Highly advanced CFC free cooling system includes hermetically sealed compressor, condenser & fan motor.

A full length Inner glass door for observation of test without disturbing temperature equilibrium.

A key lockable insulated door having positive door gasket seals door perfectly.

Mechanical convection system (Motorized Blower) ensures even air distribution within the chamber.

Removable SS 304 Rod type shelves.

Automatic autotuning Microprocessor based PID Temp. Controller with Dual Digital Indicator & PT – 100 sensor.

Electrical safety includes ELCB, Contactor.

| REGULAR MODEL | GMP MODEL | INNER SIZE (L X D X HT.) | CAPACITY | TEMP. RANGE ACCURACY | SHELVES |
|---------------|-----------|--------------------------|----------------------|------------------------------|---------|
| 71 A | 72 A | 18" x 18" x 28" | 5.25 CFT / 150 Ltrs. | 5°C to 60°C (within +/- 1°C) | 2 |
| 71 B | 72 B | 24" x 24" x 24" | 8 CFT / 228 Ltrs. | 5°C to 60°C (within +/- 1°C) | 3 |
| 71 C | 72 C | 24" x 24" x 36" | 12 CFT / 342 Ltrs. | 5°C to 60°C (within +/- 1°C) | 3 |
| 71 D | 72 D | 26" x 26" x 36" | 14 CFT / 400 Ltrs. | 5°C to 60°C (within +/- 1°C) | 4 |
| 71 E | 72 E | 28" x 28" x 40" | 18 CFT / 520 Ltrs. | 5°C to 60°C (within +/- 1°C) | 4 |
| 71 F | 72 F | 36" x 36" x 40" | 30 CFT / 850 Ltrs. | 5°C to 60°C (within +/- 1°C) | 5 |
| 71 G | 72 G | 38" x 38" x 44" | 36 CFT / 1040 Ltrs. | 5°C to 60°C (within +/- 1°C) | 6 |

Accelerated Aging Chamber



SC06WE Economy Water-Jacketed CO2 Incubator

Model SC06WE was designed and manufactured to accommodate tight budgets, while maintaining the fundamental needs of quality and precision. These units have PID microprocessor controllers, a heated outer door and a tempered-glass inner door. They provide exceptional temperature uniformity, while minimizing cold spots that lead to condensation and ultimately, contamination. Although they do not have a humidity display, the extremely stable temperature environment maintains constant humidity through evaporation at up to 95%.

The audible/visual alarms for temperature and CO2 respond to out-of-tolerance conditions. They offer an independent over temperature safety control to protect samples from overheating, and an optional CO2 tank switch/alarm to prevent prematurely exhausting the gas supply.

- Infrared CO2 Sensor
- Heated Outer Door
- Independent Over temperature Protection

The Tray, 4 1/8"x4 1/8"x 1 1/8" D, is placed inside a Transparent Polystyrene containers (156C not included) to achieve accelerated aging of seeds. Standard screen is 18 mesh. 60 mesh stainless screen is used for small flower and vegetable seeds.

Model : **SC06WE-2**

Weight : 317.00 lbs



Aging Trays
WEIGHT : 0.05 lbs
DIMENSIONS :
4 x 4 x 1 in
MESH SIZE :
18 Mesh & 60 Mesh



Aging Containers
Polystyrene Container
with Lid 4 5/16"x4
5/16"x1 3/8"

Part : 156C
100/carton

Rice Testing Equipments

| | |
|---|--|
|  | <p>Rice Huller / Rice Sheller</p> <p>Maintenance Free, Lower Power Consumption, Sample and Trouble free Mechanism Fast and Accurate Result Sample Capacity : 1000 gms Power : 0.5 HP Single Phase Dimension : 715x355x795 mm LBH</p> <p>STA-RT-221</p> |
|  | <p>Rice Miller (MC Gill Type)</p> <p>It is used for testing rice sample for milling quality grading colour and style at low cost Provided with a timer Power : ¼ HP Single Phase</p> <p>STA –RT-226</p> |
|  | <p>Rice Sizing Device</p> <p>Very Useful device for Laboratory tests. Two screen method for accurate results/Different Indent size screen for higher accuracy Power ¼ HP 220V Single Phase Screen Size 600x250 mm approx.</p> <p>STA-RT-224</p> |
|  | <p>Rice Grader – Indented Type</p> <p>It is lab device to analyse the broken rice rate in sample rice. Rice grader used for precise grading. Indented cylinder type. Provided with three cylinder</p> <p>Input Capacity : 10KG/HR Milled Rice Power : 0.75 HP Motor Single Phase</p> <p>STA-RT-224A</p> |

INSECT DETECTION

TEKPRO®



INSECTOMAT

5 Kg

Almost all grain is at risk of pest infestation. It is important to recognise an infested batch of grain before it is added to a store, where it can contaminate large amounts of 'clean' grain.

The Insectomat has been developed to detect insects in large samples of cereal grains, helping combat insect infestation.

Traditional methods involve examining a small amount of grain in relation to the total quantity – making the chances of finding an insect very low. The 5K Insectomat can detect 1 insect in up to a 5KG sample.

- Made in Britain by **TEKPRO**
- 100% Insect detection rate
- Tests up to 5KG at one time
- Up to 180 times quicker than Berlese Funnel Method
- Better Health & Safety standards than manual sieving
- Fast and easy to use
- Can be used with wheat, barley and oats.



10 kg

Almost all grain is at risk of pest infestation. It is important to recognise an infested batch of grain before it is added to a store, where it can contaminate large amounts of 'clean' grain.

The Insectomat has been developed to detect insects in large samples of cereal grains, helping combat insect infestation.

Traditional methods involve examining a small amount of grain in relation to the total quantity, making the chances of finding an insect very low. The 10K Insectomat can detect 1 insect in up to a 10KG bulk sample.

- Made in Britain by **TEKPRO**
- 100% Insect detection rate
- Tests up to 10KG at one time
- Up to 180 times quicker than Berlese Funnel Method
- Better Health & Safety standards than manual sieving
- Fast and easy to use
- Can be used with wheat, barley and oats.

DOCKAGE TESTERS



Carter Day Dockage Tester



Designed by Carter-Day to meet specifications of the USDA, the Carter-Day Dockage Tester provides accurate and uniform tests of grain samples for dockage. It is the official testing machine used in Federal Grain Inspection Service offices of USDA-AMS/FGIS, the department's licensed inspectors, state grain inspection offices, Canadian Grain Commission and worldwide throughout the commercial grain grading and inspection system.

Official procedures have been established for testing Wheat, Corn, Barley, Rye, Flaxseed, Rice and grain Sorghums. Instructions on the proper riddles and sieves to use, along with their procedures for testing these grains are furnished with the tester and can also be found on the USDA Federal Grain Inspection Service website.

The Carter-Day Dockage Tester is manufactured in the USA and includes a sound reduction feature by using noise abatement materials in the side plates, cover plates and drive guard. Additionally a 'quiet motor' has been added. Also available is a swivel caster kit which allows the operator to move the Dockage Tester from one location to another, or just out of the way in an office environment. The casters retract into the base so the tester can be leveled with the four adjustment legs.

The Carter-Day Dockage Tester with noise reduction is furnished complete with a 1/2HP electric motor. Net wt: 425–475 lbs (weight varies depending on sieves and riddles).

Actual dims: 27" (L) x 41" (W) x 55" (H),
Ship wt: 425 lbs,
Ship dims: 44" (L) x 32" (W) x 62" (H).
Export wt: 585 lbs,
Export dims: 36" (L) x 46" (W) x 65" (H).

PFEUFFER MLN Dockage Tester



Usage area

The proportion of impurities (coarse particles, fine particles, aspiration discharge) and the proportion of quality grain can be determined directly upon receipt using a sample. This makes it possible to accept quality grain and reject batches that do not fulfill the contractual conditions in a targeted way.

Function

Put in sample and start the cleaning process. If necessary, the sample is first deawned for a preselectable time. Then the deawner opens automatically and the sample falls through the aspiration chamber. The lightweight dirt such as dust is extracted by the aspiration and deposited in the dust bag by the cyclone. The sample runs over the straw sieve, which removes bigger impurities, and then runs over the sand sieve. Sand and small impurities such as weed seeds fall through the sand sieve. The impurities, sand and weed seeds run into the left-hand collection pan, and the quality grain runs into the right-hand collection pan. A feed funnel is available as an accessory. This means that the sample cleaner can be used for large sample quantities such as for seed cleaning for trial plots.

Model : MLN

Number of Sieves 02

Voltage : 230 V

Weight 53 Kg

Item Code : 1740 0020

PFEUFFER

SLN Dockage Tester



The cleaning procedure essentially corresponds to that of a normal process cleaning machine

Usage area

The proportion of impurities (coarse particles, fine particles, aspiration discharge) and the proportion of quality grain can be determined directly upon receipt using a sample. This makes it possible to accept quality grain and reject batches that do not fulfill the contractual conditions in a targeted way.

Function

Put in sample and start the cleaning process. If necessary, the sample is first deawned for a preselectable time. Then the deawner opens automatically and the sample falls through the aspiration chamber. The lightweight dirt is extracted by the aspiration and deposited in the dust bag by the cyclone. The sample runs over the straw sieve, which removes bigger impurities and then runs over the sand sieve. Sand and small impurities fall through the sand sieve. The sample is finally led through the sorting sieve (model SLN4 = 2 sorting sieves). Rubber balls prevent the sorting sieve from clogging. The impurities run into the side collection pan. The shriveled and small grain is collected in the left-hand tray and the quality grain in the right-hand tray.

Available in 2 configurations...

Model : SLN3

Number of Sieves 03
Voltage : 230 V
Weight 85 Kg
Item Code : 1740 0040

Model : SLN4

Number of Sieves 04
Voltage : 230 V
Weight 85 Kg
Item Code : 1740 0050

Grain Analyser



Portable NIR Analyser

Portable Whole Grain Analyzer for Protein, Moisture and Oil in Whole Grain

Line of whole grain and grain meal analyzers

45 second analysis time

For analysis of protein, Moisture, Oil in most whole grains and meal

Starch available for some grains

Able to be calibrated for up to 10 grains

For use on the farm, in the field, elevators, research labs, seed breeders and buyers.

SKU: ZX-50IQ

Category: [Grain | Seed Analyzers](#)

PFEUFFER



GRANOLYSER – NIR Analyser

GRANOLYSER - Function

Pour the sample (600 ml) into the Granolyser. The start and settings for the measurement are carried out on the touch screen. The transport wheel ensures that the density is consistent during the measurement. The sample is continuously moved past the detector, and the reflection of the sample in the NIR range is measured. The built-in spectrometer scans within the range of 950 to 1540 nm (NIR). The spectrums recorded by the detector are processed by the evaluation electronics. The analysis parameters are optically determined in less than one minute. Different parameters are determined depending on the selected product: Moisture, protein, sedi, gluten, oil content and starch. The measurement result is displayed and can be printed out.

Connectivity

The Granolyser has a network connection and a USB interface for a bar code scanner, keyboard or USB data memory. It can store measuring data in the LAN of an MS Access® database using the Granolyser Data Server application. A database connection can be established quickly using an interface. For simple processing using the PC (e.g. with MS Excel®), all measurement data can also be exported onto a USB data memory.


Product Code : 1180 0000

Product : GRANOLYSER

Dimension : 370 x 450 x 380 mm

Weight : 23 Kg

Soil Testing Equipment

| | |
|---|--|
|  | <p>Soil Penetration Probe DICKEY-john, USA The simplest way to measure soil compaction Get the most from your fields with the cost-effective, user-friendly Soil Compaction Tester from DICKEY-john.</p> <p>By simply pushing the tester into the ground at different locations, this convenient, practical tool will help you find problem areas that can inhibit root growth and reduce yields. Just check the gauge to find readings of the pressure required to penetrate your soil.</p> <p>Maximize your success for less with the Soil Compaction Tester</p> <p>SCT – Soil Compaction Tester</p> |
|  | <p>pH Meter</p> <p>The HI2210P is a basic, affordable pH benchtop meter that features automatic calibration to 1 or 2 points with a choice of 5 preprogrammed buffers. All readings are automatically compensated for temperature variations from the supplied thermistor probe.</p> <p>The meter has a large, easy-to-read LCD that displays pH and temperature simultaneously. The HI2210P is supplied complete with a pH electrode, temperature probe, calibration buffers, reference refill electrolyte, cleaning solutions, and a probe holder.</p> <p>HI2210P pH/Temperature Bench meter</p> |
|  | <p>EC Meter</p> <p>GroLine Soil Tester Soil Test™ Direct Soil Conductivity Tester Automatic calibration to 1413 $\mu\text{S}/\text{cm}$ conductivity standard Automatic Temperature Compensation (ATC) Uses a fixed 2%/°C temperature correction coefficient Stainless steel penetration electrode for direct measurement in soil</p> <p>HI98331- EC Meter</p> |
|  | <p>Soil Moisture Meter</p> <ul style="list-style-type: none"> - Range: 0 to 50 % moisture content. - Heavy duty probe, probe length: 20 cm <p>STA-STE-01 – Soil Moisture Meter</p> |

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