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## Laboratory Equipment

### Everything for your Sample Room

#### **Laboratory Roaster type BRZ-2 – BRZ 4 – BRZ 6**

consisting of: 2 upper parts with roasting cylinders, feeding quantity each: 80 – 10 g green coffee, 2 attached thermometers 0 – 300 °C, to indicate the roasting temperatures, each with thermo-sensors and capillaries, 1 complete sub-structure mounted on a base plate, with 2 cooling sieves, 1 common education heads and connecting hose, 2 complete electrical heating devices, capacity each 850 W, including chaff cyclone with chaff collecting bin and build-on exhaust fan, connecting on the left or right as well as motors and one set accessories.



#### **Cupping Table (Black Base)**

Description: Traditional Cupping Table: New improved rotator, granite nuggets (coffee and cream colors - or a midnight black) bonded in traditional terrazzo, two tiered rotating top, 43 & 1/2" standard diameter, maximum heavy base rises to provide 32" cupping height, weighs approximately 260 lbs, with BLACK BASE. for full assembled table in a protected crate base – please specify.



#### **Cupping Stool**

Description: Cupping Stool-1L-58

Product ID: 01-RDG-Stool(black legs)

Description: Adjustable 18"-25", pneumatic lab stool with 5 tubular legs for stability with 22" leg spread & 18" diameter fixed foot ring; ball bearing 2" casters; and black vinyl 15" diameter cover seat. Foam cushioning 2 1/2" high. 30 lbs.



#### **Cupping Lab Chair**

Description: A chair for the "techie"! Self skinned urethane seat of 18 1/2" wide and 17" deep. Ventilating ribs are 3/32"high. With a slight touch on the pneumatic control you can vary the height from 17" - 24". The 2" ball bearing casters allows you to roam the lab. Want more flexibility? Seat tilts back 11 degrees forward to 15 degrees rearward and the back height adjusts with a knob. Assembly required.4 Steps. No tools.



#### **Cupping Table Lab Chair**

Description: A tough, durable lab chair with comfortable back rest that has added lumbar support. Move the height up and down between 19"-26" for height adjustment with a touch of the pneumatic mechanism. Rest those weary feet on the 18" diameter foot ring or scoot across the floor on the chair's 2" ball bearing casters. The vinyl covered 3" thick cushioning will add comfort to the hours of sitting. Assembly required. 4 Steps. No tools.



#### **Spittoons/Gaboons**

Description: Reproduces classic cupping room spittoon. Lifetime guarentee against leakage. Two-piece industrial spun aluminum design allows easy dumping and cleaning. Mobile with casters,



#### **Cupping Spoons**

Description: Silver Plated cupping spoons. Available in sets of 6 or a dozen. Round bowl, flat handle, 6.5" long, 1.75" bowl. These spoons are ideal for cupping coffee because of their



**Portable Hot Water Dispenser**

**Product ID:** 01-ZOJI-wtrdisp(3 liter)

**Description:** Portable Cupping Hot Water Dispensers: Specify 3, 4, or 5 Liter Capacities, micro computerized temperature control system brings water to full boil for automatic dispensing at the touch of a button, includes a see-through water level gauge, dechlorinate moode, auto shut off and roboil mode, herb white in color.



**Digital Programming Hot Water Machine**

**Description:** A two gallon capacity with large LCD display with troubleshooting of 6 possible error messages Automatic fill occurs with initial hook up and activated to refill when water level has reached top probe. (Need 1/4" male flare for copper tubing for faucet hook up.) Standard drip tray included. Stainless steel exterior and tank assembly. Convertible for 110 or 220 Volt.



**High Volume Hot Water Dispenser**

**Description:** FETCO 5 gallon cupping hot water dispenser: provides high volume, steaming, hot water on demand, ideal solution for large cupping scale operations, measures 10x16x31 inches, adjustable recovery control, heavy gauge stainless steel body construction (specify 208 or 240 volts).



**Cupping Bowls**

**Description:** Traditional 3" diameter cupping bowls available in heavy glass or porcelain. Made for 6.5 Oz cupping standards. Purchase Order either one dozen or three dozen, see choices below.

**Specifications:**

- Quantities Available.....One dozen or 3 Dozen
- Types Available.....Heavy Glass or Porcelain
- Capacity.....6.5 Ounces
- Diameter.....3 inches
- several **colors available, 12" round & 27.5" tall**



**Cupping Bowls**

**Description:** Traditional 10 cm diameter cupping bowls in porcelain. Made for 250ml cupping standards.

**Specifications:**

- Types Available..... Porcelain
- Capacity..... 250 ml
- Diameter.....10 cm



**Skimming Bowls**

**Description:** Traditional 10 cm diameter cupping bowls in porcelain. Made for 400ml cupping standards.

**Specifications:**

- Types Available..... Porcelain
- Capacity..... 250 ml
- Diameter.....10 cm



**Cupping Tray – blue – brown – with or without Logo**

**Description:** Professional Cupping Tray Traditional "pure colour" blue for green coffee or brown for roasted coffee. Prices range depending on volume. Each tray can be printed with selected name. (First, specify quantity then specify your logo and or name on each tray. Printing begins with 500 tray order.



**Sample Box with Handle and Cover SPR19**

Sample Box for Coffee with Cover  
Dimensions: 181x181x97 mm  
Capacity: 1.9 litres



**Sample Box with Handle and Cover SPR38**

Sample Box for Coffee with Cover  
Dimensions: 181x181x185 mm  
Capacity: 3.8 litres



### **Sample Box with Handle and Cover SPR57**

Sample Box for Coffee with Cover  
Dimensions: 222x222x186 mm  
Capacity: 5.7 litres

### **Sample Box with Handle and Cover SPR76**

Sample Box for Coffee with Cover  
Dimensions: 222x222x229 mm  
Capacity: 7.6 litres

### **Sample Box with Handle and Cover SPR114**

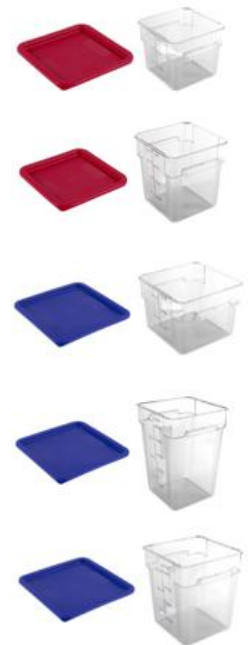
Sample Box for Coffee with Cover  
Dimensions: 283x283x210 mm  
Capacity: 11.4 litres

### **Sample Box with Handle and Cover SPR170**

Sample Box for Coffee with Cover  
Dimensions: 283x283x320 mm  
Capacity: 17 litres

### **Sample Box with Handle and Cover SPR208**

Sample Box for Coffee with Cover  
Dimensions: 283x283x399 mm  
Capacity: 20.8 litres



### **Limprimita Sample Huller - Kaack**

Description: Sample Huller with husk separator Model LIMPRIMITA CC1, Electric Sample Huller with Husk Separator in special execution with reduction gear motor of 0,25 kW, combined with husk separator (winover) with 30 watts single phase motor, huller and husk separator fitted on a common steel frame, a complete assembled set.



### **Sample Huller Desa Café TM 40**

Description: Sample Huller with husk separator Model TM 40, Electric Sample Huller with motor, 0.75



### **Screen Shaker 98-SS**

The 98-SS Screen Shaker is designed to use minimal bench space and to accept up to ten 12" x 12" hand testing screens and one bottom pan. A five minute timer supplied with the shaker shuts off the motor and insures consistent results. The shaker comes complete with a 1/3 HP 110V, 60Hz or 220V, 50Hz motor. Ship dims 33" L x 22" W x 17" H, 66 lbs. Net wt., 83 lbs. Ship wt.



### **Laboratory Vibrating Sample Screen Machine Typ „PS 500“**

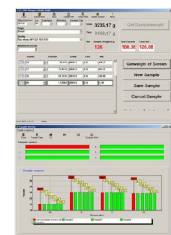
Certified DIN EN ISO 9001, valid 21.03.2010

With linear motion production an intensive shaking of sample screens with dimensions of 300mm x 300mm. With compact housing and 4 rubber feet. Dimensions of the shaking table 370 mm x 300 mm with mounted holding device with quick action levers for sample screen. Driven by speed stabile A/C motor with V-belt drive and fixed transmission ratio. Built-in mass equalizer for a stable stand and guaranteeing an exact shaking. Silent running by means of lifetime greased bearings for the driving elements as well as maintenance free plastic bearings for the moving parts. With built-in electronic timer allow to pre-set the wanted operation time with high repeating exactness.



### **Sample Check V2.00 Software Licence (specially designed)**

- Master Data
- Bestellnummer – LOT/ID-Nummer – Region – Qualitaeten
- Gewicht des Siebes /Gewichtserfassung
- Mustervergleich / Analyse
- Data log in
- Link zum contract administration – Network Management



### **Sample Screens Kaack with wooden frames**

**Description:** each set comprising of:10 screens with wooden frames, dimensions 300 x 300 mm, with following perforations:

No. 10–11–12–13–14–15–16–17–18–19–20,with top cover and blind bottom

No. 10 = Ø 3,97 mm	No. 17 = Ø 6,75 mm
No. 11 = Ø 4,37 mm	No. 18 = Ø 7,14 mm
No. 12 = Ø 4,76 mm	No. 19 = Ø 7,54 mm
No. 13 = Ø 5,16 mm	No. 20 = Ø 7,94 mm
No. 14 = Ø 5,56 mm	Blind bottom
No. 15 = Ø 5,95 mm	Top Cover
No. 16 = Ø 6,35 mm	



### **Model G 600 Portable Grain Moisture Meter**

- Automatic sample temperature correction
- Large, independent, clearly marked keys easily performs any operation
- All functions are controlled by an advanced microprocessor which assures accuracy and fast response
- AUTO-CHECK test runs each time the tester is turned on
- The grain type is selected; sample is weighed in a standard scale; the sample is poured into the tester hopper; and, that is all the operator has to do
- One year warranty
- Operates with a 9 volt Alkaline battery or an auxiliary AC/DC adapter, selectable source 110 or 220 Volts - 50/60Hz
- Automatic Moisture Compensation.



### **Model G 800 Bench Grain Moisture Meter**

- Automatic sample weighing
- FLOW THRU technology
- G800 has standard RC-232C interface
- Automatic sample temperature correction
- Automatic moisture compensation
- Large, independent, clearly marked keys easily performs any operation
- Operates 100/240 VAC - 50/60 Hz
- System diagnostics alerts and notify the operator of abnormal operating conditions when the measured value is outside of set-up limits.
- AUTO-CHECK test runs each time the tester is turned on.



The commodity type is selected; the sample volume is measured in a standard cup; the sample is poured into the tester hopper; the "YES" button is pressed and that is all the operator has to do.

### **Specifications:**

Number of scales: 58

Moisture limits: depends on scale

Data Output: serial RS232C

Scale Precision: 0,3g

Sample temperature range: 5 to 50° C

### **Coffee Grinder for roasted beans**

**Description:** Ginder "Guatemala" has an especially high capacity. It extremely suitable for extensive use in coffee shops and for coffee roasters. Its grinding discs may be re-sharpened repeatedly. Bags are simply clamped into the shaker device.

Hopper Capacity: 500 g

Grinding Capacity: fine – 800 g/minute

Grinding Capacity: medium – 900 g/minute



**Coffee Grinder EK 43/1 for roasted beans**

**Description:** This classical metal grinder for food stores, depots, coffee roasters and coffee shops – exceptionally sturdy – with a very high grinding capacity. Its hopper may be locked with a slide plate and bags may easily be clamped into the holder. This bag holder also allows an easy cleaning of spout.

Hopper Capacity: 1 kg- Grinding disc diameter: 98mm

Grinding capacity - fine: 1.3-1.6 kg/min - medium: 0.9-1.0 kg/min

Dimensions, (w x d x h), cm: 23x35x77

Net Weight: 24 kg

Bag holder: yes - Hopper magnet: yes - Overload protection: yes

Voltage, V, frequencies, Hz, phases: 230/110 V – 50/60 Hz - 1~



**Probat-Laboratory Grinder Type 55 LM 800**

colour: silver, for the grinding of roasted coffee beans, with special motor for alternating current, on/off switch, overload protection and operating safety switch, jolting device, coarse/fine adjustment, bag holder.

batch quantity: approx. 500 g

grinding capacity: approx. 800 g/min. fine

approx. 900 g/min. medium

alternating current: 230 V, 50 Hz



**Precision Scales**

**Description:** Precision Balances are especially designed for highest weighing accuracy as well as for optimum support in flexible applications and use in GLP/GMP, ISO and other quality management systems. Precision Balances simplify complicated procedures with straight forward menu prompts and pop-up windows for easy setup and navigation. An optional Auto-CAL automatically calibrates the balance when it senses a temperature change sufficient enough to affect weighing accuracy. All Balances are equipped with a bi-directional RS-232 enabling to be incorporated with a peripheral device. RS-232. From 210 g x 0.001 g to 8100 g x 0.1



**Thermo Jaw Sealer with / without Stand**

**Description:** The Thermo Jaw Sealer is an economical, easy-to-use jaw-type sealer operated by foot-pedal. Heavy-duty heating elements and half brass sealing bars in the upper and lower jaws provide uniform and sufficient penetration to achieve a high quality, airtight seal. The machine's adjustable thermostat permits accurate temperature control, further assuring superior seal integrity. The sealer is designed for use on a wide variety of heat-sealable materials, including cellophane, polycel, glassine, laminates, overcap labels, polypropylene, krafts, foils and even MIL Spec materials. Constructed of the highest quality materials, the Thermo Jaw Sealer is made to withstand continuous usage, day after day. Its design simplicity allows it to be mounted either flat, or in optional incline and vertical positions. The simple design also means that maintenance requirements are minimal. Users of the machine will really appreciate its easy operation. An adjustable foot-pedal assembly comes standard with the sealer for improved operator comfort. All necessary mounting hardware, brackets, foot-pedal, and foot-pedal guard are standard with the Thermo Jaw Sealer.



**Plastic Bag Sealer**

**Description:** All of the sealers are pre-tested and provide a warranty that guarantees dependability and durability. The plastic bag sealer is perfect for a multitude of packaging applications. The sealer provides exceptional air and watertight seals on most plastic materials up to 6 millimetre thickness. Polyethylene, Polyurethane, Polypropylene, Pliofilm, Kel-F, Polyflex, Mylar, P.V.A., Tivac, Saran, Nylon, and other heat sealable materials

Seal Length : .....12 "

Seal Thickness : .....6 mil

Seal Width: .....2 mm

Watts : .....380 w

Weights : .....11 lbs



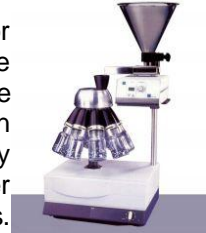
### Aprons – different color etc.

**Description:** An **apron** is an outer protective garment that covers primarily the front of the body. Great in the kitchen or at the BBQ, our mid-length apron provides great coverage to help keep spills and splatters off your clothes. Makes a great gift for gourmets or grill-masters. Ties at neck and waist. Two center-stitched bottom compartment pouches for keeping tools and recipes handy. 35% Cotton / 65% polyester blend, twill fabric. Machine washable and guaranteed.



### Sample Divider

Whether in research, development or control laboratory, whether as a reference or standard sample for chemical and physical analyses or for co operative tests, the sample divider type 55 LP 01 can be employed within the framework of a reliable quality assurance system. Extremely easy to use, it ensures representative division also of inhomogeneous samples in quantitative and qualitative equal amounts. By exact division of granular, powdery or free flowing bulk materials, the sample divider provides the most important conditions for precise analytical results.



### Precision Divider

The traditional positive action divider that handles seed, grain and feed. The Precision Divider has repeatedly demonstrated its ability to precisely divide larger samples into working size samples in a matter of seconds, ideal for smaller seeded crops. The dividing and mixing are accomplished by the centrifugal action of a motor driven revolving neoprene disc positioned under the hopper. A smooth inside chrome plated finish virtually eliminates any of the sample sticking to the inner surfaces. Both the hopper and cylinder top lift off to provide easy access to the interior of the dividing chamber. Actual dims. 13" L x 13" W x 19-1/4" H, Net wt. 41 lbs., Ship wt. 46 lbs., Ship dims. 15" L x 15" W x 22" H.



### Water Still

- Glass construction with long life metal heating element
- Two independent safety thermostats
- Wall mountable

The Merit is the ideal choice for budget conscious laboratories that can't afford to compromise on quality. It combines economy and high performance with a host of other features which comparable stills cannot match. Built in acid addition funnel and drain stopcock allow easy de-scaling without dismantling the glassware. The unique condenser design ensures that the droplets of distilled water remain in contact with the cooling coil for the longest possible time producing cold distilled water and pre-heating the boiler feed to increase efficiency. Screw threads are incorporated on all water connections so hoses can be fitted and removed easily and safely without risk of breakage.



### Bulk Density Meter – DCL 1000

Equipment developed for the determination of density in bulk by free fall of whole grains of the green and roasted coffee. Constructed in stainless Steel With ample receiving tray without causing dispersion of grains outside the tray. To determine the volume of a sample, use is made of Archimedes' principle.



### Beater Mill for green Coffee

For grinding tenacious and hard materials, such as green coffee beans, with conical feed hopper, grinding capacity depends on the required degree of grinding. Green coffee analysis, e.g. for fast determination of the moisture content, can only take place from the ground material. Dimensions: Height 600 mm, Width 320 mm, Depth 610 mm, Weight 53 kg. Input power 750 W only available for three-phase current



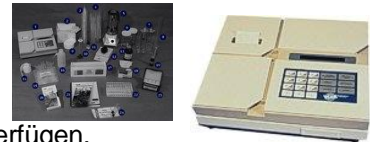
### Beater Mill for green Coffee

Areas of application Soft substances: Needles, leaves, grain, resins, cellulose, chemicals, dried fruits, peat, seeds, dried plants Medium-hard substances. Method of operation Comminution in the cross beater mill takes place through impacting, colliding and shearing forces.



**Alfa Test Basic Equipment Package with 50 Test Columns  
Series 4EX Fluorometer**

VICAM ist weltweit führend mit Testsystemen für die quantitative Erkennung von Mykotoxinen in Lebens- und Futtermitteln unter Verwendung eines Fluorometers. Falls Sie über keinen Fluorometer verfügen, bieten wir Starterpakete an. In diesen "Basic Equipment Packages" sind ein Fluorometer und die Grundausrüstung für das zu untersuchende Mykotoxin enthalten.



Testssäule	Mykotoxine (in der Summe)	Untersuchungsbereich
AflaTest <sup>®</sup> P	B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> , M <sub>1</sub>	0.5 - 300 ppb
Afla B <sup>™</sup>	B <sub>1</sub> , B <sub>2</sub>	1 - 50 ppb
Afla M <sub>1</sub> FL <sup>+</sup>	M <sub>1</sub>	12.5 - 200 ppt
FumoniTest <sup>™</sup>	B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub>	0.25 - 10 ppm
OchraTest <sup>™</sup>	OTA	1 - 100 ppb
ZearalaTest <sup>™</sup>	ZEA	0.1 - 5 ppbm/td>

**ph Meter - inoLab<sup>®</sup> pH 720**

- simple and reliable
- Routine meter for precise measurement values (0.001 pH)
- Large display
- Easy-to-clean membrane keypad

Easy to use routine laboratory pH/mV meter with large multifunctional display for pH and temperature, automatic temperature compensation, MultiCal<sup>®</sup> calibration system; for battery or line power operation.



**ph Meter - inoLab<sup>®</sup> pH 730**

- compact and precise
- Supports all GLP needs
- Built-in printer (optional)
- Datalogger with memory for 800 data sets

Precision pH/mV meter with large multifunctional display for pH and temperature, automatic temperature compensation, MultiCal<sup>®</sup> calibration system, built-in measurement storage with GLP-conforming documentation and digital interface. Shown with optional built-in printer



**ph Meter - pH 315i, pH 330i, pH 340i**

Handheld pH meters are optimized for use on-site and field use, but can also be used in the laboratory. In particular the pH 340i, with its optional line power supply and serial interface, is suitable for applications in which precise measurements are required both in the laboratory and the field.

**pH 315i:** Robust and waterproof battery-operated pH/mV meter. Measuring errors are avoided by the silicone keypad with only 5 keys and a simplified calibration method with automatic buffer recognition and display for standard buffers. AutoRead ensures stable and reproducible results.



**pH 330i:** Robust and waterproof battery-operated pH/mV meter with built-in datalogger, real-time clock, GLP-supporting functions, display for calibration switchable between pH and mV. Configured with MultiCal<sup>®</sup> automatic calibration for buffer recognition, and automatic temperature compensation.

**pH 340i:** Features of pH 330i, with additional analog and digital RS 232 output.

**ph Meter - pH 315i, pH 330i, pH 340i**

Handheld pH meters are optimized for use on-site and field use, but can also be used in the laboratory. In particular the pH 340i, with its optional line power supply and serial interface, is suitable for applications in which precise measurements are required both in the laboratory and the field.