

# PT. BESTARI SARANA INSTRUMENT

*General Instrument, Mining Laboratory, Environment & Pollution Monitoring, Parts and Labwares.*



## PRODUCT BROCHURE

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# ABOUT US



**Bestari Sarana Instrument** was established in 2023 in JAKARTA, the capital city of Indonesia. We are one of the leading companies in the field of import, export, and supply of equipment for various projects, especially in the laboratory testing analysis and mining sectors.

Our product range complements selected instruments for General Laboratory equipment, Environmental and Pollution Monitoring Instruments, Mining Laboratories and Sample Preparation Machines, Labware and Consumables, etc.

Our vision is to provide the most effective business solutions in terms of high quality products at competitive prices for a good range of products and services. We are recognized as a reliable organization with extensive national coverage and capacity to deliver high quality products and services to customers. We thank you for your time and for taking the time to visit our site and hope we can meet your laboratory needs.

# VISSION AND MISSION

We do things better



## VISSION

to become a laboratory equipment provider company that upholds professionalism in service and always maintains the quality and products we sell.



## MISSION

1

- Provide the most effective business solutions in terms of high quality product with competitive prices for various products and good services.

2

- We are recognized as a reliable organization with an extensive nationwide coverage and the capacity to deliver high quality products and service to customers.

3

- We do thank you for your time and making it convenient to visit our site and hope we can be of service to you.

# REASON TO CHOOSE US

“PT.BESTARI SARANA INSTRUMENT has experience in procuring laboratory equipment. We uphold professionalism in service and always maintain the quality and products we sell.”

## ❖ ORIGINAL PRODUCTS

The laboratory equipment products that we sell are products with well-known brands and guaranteed authenticity.

## ❖ QUALITY PRODUCTS

The laboratory equipment products that we sell are of very high quality and guaranteed

“The price is relatively cheap and competitive, the product is original, and has quality.”

*“PT.BESTARI SARANA INSTRUMENT Leading and superior in the procurement of laboratory equipment”.*

# OUR PRODUCTS

Our product range completes selection instruments for General Laboratory equipment, Environmental and Pollution Monitoring Instrument, Mining Laboratory and Sample Preparation Machine, Labware and Consumable, etc.

## QUALITY PRODUCTS

## ORIGINAL PRODUCTS



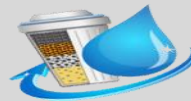
### MINERAL AND COAL LABORATORY EQUIPMENT



### ENVIRONMENTAL LABORATORY EQUIPMENT







### GENERAL LABORATORY EQUIPMENT



### WATER PURIFICATION SYSTEM

# BRAND PRODUCTS

	<b>MRU</b> is manufactures high quality and durable portable and stationary Emission Monitoring Systems for industrial applications.		<b>Alsto</b> is manufactures company standard and purpose built equipment for sampling, sample preparation and minerals testing wear parts, consumables, parts and equipment for mineral laboratories and mine sites.
	<b>Aeroqual</b> is a company building a global air quality monitoring platform that eliminates the hassle of air quality measurement and analysis.		<b>LABTECH</b> is a company that designs, develops, manufactures laboratory equipment and biomedical equipment.
	<b>KOENG</b> is a leading manufacturer in Korea and has exported them to more than 40 countries in the world , strive continuously to earn recognition as the global top equipment manufacturer in the area.		<b>Rocklabs</b> is a company preparation and automated equipment transform the processing of metals and minerals for mining & exploration companies, laboratories, and research
	<b>GLENAMMER</b> We are the leading laboratory test sieves manufacturer in the UK and we've been making sieves since 1998		<b>Yosion</b> is mining laboratory equipment manufacturer, integrating research & development, production, sales and service.
	<b>Staplex</b> is a manufacturer of particulate air samplers for environmental, nuclear, chemical and bio-hazards, asbestos, lead, safety, military, homeland security and industrial hygiene.		<b>BEL Engineering® s.r.l.</b> is a manufacturer of precision Electronic Balances and scientific laboratory instruments.
	<b>Trio.Bas</b> is a company that develops and manufactures environmental microbiological air samplers.		<b>Aczet</b> is a leading manufacturer and supplier of complete solutions for a wide range of Weighing balance, Analytical lab scales & Industrial weighing systems, XRF, and Laser applications, with over two decades of experience
	<b>Metra Mess- und Frequenztechnik in Radebeul e.K.</b> is a piezoelectric sensor production company, developing vibration sensors by the growing aircraft industry.		<b>Trytech</b> is a company that manufactures coal & steel analytical instruments, providing. Carbon sulfur analyzer, infrared carbon sulfur analyzer, calorimetry, sulfur analyzer, crusher,
	<b>Bestari Setia Abadi</b> is a leading company in the field of importing, exporting and supplying equipment for various projects. The BSA product range complements the selection instruments for General Laboratory equipment, Pollution and Environmental Monitoring Instruments, Mining Laboratory and Sample Preparation Machinery, Lab Equipment and Consumables, etc.		<b>Endecotts</b> is a manufacturer of quality laboratory test sieves, sieve shakers and related laboratory equipment.
	<b>Furnace and Assay Supplies Pty Ltd</b> its Frame Assay, and manufacturer of fire testing equipment		<b>RephiLe</b> designs and manufactures Lab water purification system, replacement consumable for Millipore water system and filtration product.
	<b>High Volume Air Sampler</b> is a device that measures air pollution. TSP, Particulate Sampler, PM10 and PM2.5		

















## ENVIRONMENTAL LABORATORY EQUIPMENT

## OUR PRODUCTS














			
<p><b>DELTA Smart Handheld Analyzer</b></p>  <p>DELTA smart - heating installations MRU presents the multi-tool, high-tech, handheld analyser.</p> <p>Measuring gas Sensor : O<sub>2</sub>, NO<sub>x</sub>, CO</p>	<p><b>OPTIMA 7 Handheld Multigas Analyzer EMI</b></p>  <p>The slim multi talent handheld flue gas analyser using up to 7 sensors Suitable for emission monitoring of combustions and industrial processes.</p> <p>Measuring gas sensor : O<sub>2</sub>LL, CO/H<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, NDIR CO<sub>2</sub></p>	<p><b>NOVAplus Portable Flue Gas Analyzer 8-gas</b></p>  <p>Multifunctional Flexible Comfortable. Remote control unit in comfort edition also usable as a separate measuring.</p> <p>Measuring gas sensor : O<sub>2</sub>, CO/H<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, CH<sub>4</sub>, CO<sub>2</sub></p>	<p><b>VARIOLuxx Semi-Continuous Monitoring System</b></p>  <p>Portable stack gas emission analyser for long time measurements of industrial combustions, large boilers, gas engines and turbines, furnaces and many more. Simultaneous analysis of up to 9 gas components.</p> <p>Measuring gas sensor : O<sub>2</sub>, CO, CO<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, and CxHy, H<sub>2</sub></p>
<p><b>MGAprime Semi-Continuous Monitoring System</b></p>  <p>Precise measuring technique with lowest offset drift by means of special non-dispersive infrared (NDIR), for enhanced long-time measurements.</p> <p>Measuring gas Sensor : O<sub>2</sub>, CO, CO<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, C<sub>3</sub>H<sub>8</sub>, CH<sub>4</sub>, N<sub>2</sub>O</p>	<p><b>OPTIMA 7 Biogas Handheld Multigas Analyzer</b></p>  <p>The most powerful Handheld Biogas Analyzer Suitable for biogas as well as flue gas cogeneration engine measurements. Measuring gas sensor : O<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>, H<sub>2</sub>S</p>	<p><b>NOVAplus Biogas Analyzer</b></p>  <p>Biogas analyzer for semi-continuous measurements. Measuring gas sensor : O<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>, H<sub>2</sub>S</p>	<p><b>OPTIMA 7-NDIR Handheld Multigas Analyzer</b></p>  <p>The slim multi talent handheld car exhaust gas analyzer Suitable for real time measurements. Measuring gas sensor : HC, CO<sub>2</sub>, CO, O<sub>2</sub>, NO</p>

# ENVIRONMENTAL LABORATORY EQUIPMENT

			
<p><b>SWG 200 Stationary Flue Gas Emission Analyzer</b></p>  <p>Optimal gas analysis around the clock With SWG 200 CEM (Continuous Emission Monitoring) a cost-effective, reliable system for emission and combustion monitoring. Measuring gas Sensor : O<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, CO<sub>2</sub>, CO, N<sub>2</sub>O, CH<sub>4</sub>, C<sub>3</sub>H<sub>2</sub>, H<sub>2</sub>S, H<sub>2</sub>.</p>	<p><b>SWG 100 BIOcompact Biogas Analyser</b></p>  <p>This biogas analyzer is designed for use in the harsh industrial environment of combined heat and power (CHP) engine gas monitoring. Measuring gas Sensor : O<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>S, H<sub>2</sub>.</p>	<p><b>SWG 100 bio-Ex Analyzer</b></p>  <p>THE ZONE 2 ANALYER Stationary Biogas-measuring system for continuous measurements in Ex-zone 2. Measuring gas sensor : O<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>, H<sub>2</sub>S, H<sub>2</sub></p>	<p><b>SWG 100 Biogas Stationary</b></p>  <p>The versatile analyzer Stationary Biogas-measuring system for continuous measurements. Measuring gas sensor : O<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>, H<sub>2</sub>S, H<sub>2</sub>.</p>
			
<p><b>OpTrans 1600 Diesel Smoke</b></p>  <p>OpTrans 1600 Diesel Smoke Opacity Meter Gas sampling probe, flexible length aprox. 350 mm, with fixing device, length of the gas sampling line 400 mm</p>	<p><b>50 Place Cupellation Furnace</b></p>  <p>The 50 Place Cupellation Furnace is suitable for large labs processing between 400 to 1200 samples per day, including standards.</p>	<p><b>Electric 20, 25, 50 Place Fusion Furnace</b></p>  <p>The Electric 20, 25, 50, Place Fusion Furnace is suitable for small labs processing between 100 to 400 samples per day, including standards.</p>	<p><b>STAPLEX USA TFIA STAPLEX USA TFIA-2F</b></p>  <ul style="list-style-type: none"> <li>- TFIA 110-125 Volts AC/DC 50-60 Hz</li> <li>- TFIA-2F Includes built-in Flow Adjuster 220-240 Volts AC/DC, 50-60 Hz</li> </ul>



# ENVIRONMENTAL LABORATORY EQUIPMENT

aeroqual	aeroqual	aeroqual	aeroqual	aeroqual
<b>Aeroqual Series 200 – Portable Air Quality Monitor</b>  <p>The Series 200 Portable Air Quality Monitor is a cost-effective, ultra-portable device providing accurate measurements of common outdoor pollutants.</p>	<b>Aeroqual Series 200 – Portable Indoor Air Quality Monitor</b>  <p>The Series 200 Portable Indoor Air Quality Monitor is an entry-level portable monitor that provides accurate measurement of common indoor pollutants using the unique sensor head format.</p>	<b>Aeroqual Series 300 – Portable Indoor Air Quality Monitor</b>  <p>The Series 300 Portable Indoor Air Quality Monitor is a versatile gas monitor with the ability to accurately measure a range of common indoor air pollutants.</p>	<b>Series 500 – Portable Indoor Air Quality Monitor</b>  <p>The Series 500 Portable Indoor Air Quality Monitor enables accurate real-time surveying of common indoor pollutants, in an ultra-portable device. Compatible with swappable sensor heads measuring up to 30 different pollutants</p>	<b>Series 500 – Portable Air Quality Monitor</b>  <p>The Series 500 Portable Air Quality Monitor enables accurate real-time surveying of common outdoor pollutants, in an ultra-portable device. Compatible with swappable sensor heads measuring up to 16 different pollutants</p>
				
<b>Hand-Held Vibration Meters VMxx</b>  <p><b>VM24</b>  Measuring channels : 1  Inputs : L.P.IEPE + VMID  <b>Measuring ranges</b>  Vibration Acceler : 0,1 - 240 m/s<sup>2</sup>  Vibration velocity : 10 - 1000 mm/s  Vibration displacement : 0,01 - 60mm  <b>Frequency ranges</b>  Vibration Acceleration : 0.2 Hz - 10 kHz, 3Hz - 1kHz, 1kHz -10 kHz  Vibration velocity : 2 - 100Hz, 2 - 1000H  Vibration displacement : 5 - 200Hz</p>		<b>Trio.Bas Mini Compact Dry</b>  <ul style="list-style-type: none"> <li>• 255K - TRIO.BAS™ CD PACK - microbial air sampler for Compact Dry™ plates complete of S/S aspirating head, s/s cover head, light carrying case and battery charger complete of certificate of calibration</li> <li>• 100 lts / minute air flow rate</li> <li>• Data transfer via Bluetooth - tablet to PC</li> </ul>	<b>Trio.Bas Mini Eco</b>  <p>Single aspirating head air sampler with cable charging.</p> <ul style="list-style-type: none"> <li>• 100 Liter per minute flow rate model</li> <li>• Battery cycle autonomy 30.000 liter</li> <li>• Manual mode only</li> <li>• Selected volumes from 30 to 2.000 liter and 17 preset programs</li> </ul>	<b>Trio.Bas Mono Cable</b>  <p>Single aspirating head air sampler with Bluetooth and cable charging.</p> <ul style="list-style-type: none"> <li>• 100 or 200 Liter per minute flow rate model</li> <li>• Battery charger via cable (110/240 V)</li> <li>• Bluetooth for data transfer</li> <li>• Manual or automatic mode</li> <li>• official calibration certificate</li> </ul>

## ENVIRONMENTAL LABORATORY EQUIPMENT



## Digital Camera Ringelman Smoke Opacity Meter



Spesifikasi / Model	
Perencanaan sudut pandang	15 kali
Jarak Pengukuran	10 - 3000 meter
Lensa objektif modular aperture	25 - 80 mm
Tingkat kepekaan	6 Level
	Level 0 : 0 % Level 1 : 20 % Level 2 : 40 % Level 3 : 60 % Level 4 : 80 % Level 5 : 100 %
Digital Kamera	Re optical Zoom, 20 MP
Memory Card	8GB
Tripod	Minimum Height 530mm Maximum Height 1160mm Maximum Load Capacity 4kg



## Impinger Ambient Air Sampler

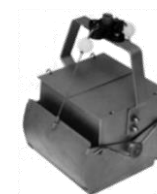


High Volume Air Sampler

**Total Suspended Particulate (TSP), PM 10  
and PM 2.5 with Cascade Impactor**



Ekman Sampler



Size	: 152 x 152 x 152 cm
Weight	: ± 10 Kg
Material	: Stainless Stess
Rope Length	: 30 M
Equipped	: Box Stainless



Isokenetic Sampling Console  
Manual Sampling Consoles  
C-5000 Console



Manometer Solenoid Valves for On-The-Fly  
Zeroing Capability Solid State Temperature  
Controllers for Probe and Filter  
7-Station Thermocouple Selector Switch LED  
Temperature Readout  
Fused Amphenol 4-Pin Power Delivery  
Easily Removable Front and Rear Access Doors  
Power - Pump - Timer - Null - Orsat Power Switch  
Controls Modular Electrical and Plumbing Panels



Isokenetic Sampling Console  
Manual Sampling Consoles C-  
5100 Console (Metric)



Manometer Solenoid Valves for On-The-Fly  
Zeroing Capability Solid State Temperature  
Controllers for Probe and Filter  
7-Station Thermocouple Selector Switch LED  
Temperature Readout  
Fused Amphenol 4-Pin Power Delivery  
Easily Removable Front and Rear Access Doors  
Power - Pump - Timer - Null - Orsat Power Switch  
Controls Modular Electrical and Plumbing Panels



Isokenetic Sampling Console  
Manual Sampling Consoles  
C-5100-D Console (Metric Digital DGM)



Manometer Solenoid Valves for On-The-Fly  
Zeroing Capability Solid State Temperature  
Controllers for Probe and Filter  
7-Station Thermocouple Selector Switch LED  
Temperature Readout  
Fused Amphenol 4-Pin Power Delivery  
Easily Removable Front and Rear Access Doors  
Power - Pump - Timer - Null - Orsat Power Switch  
Controls Modular Electrical and Plumbing Panels



Isokenetic Sampling Console  
A-2000 Auto Isokinetic Flow Integrator




Automated data logging with intuitive user interface  
Three control modes - Isokinetic - Constant - PM2.5 Continuous PID flow control to maintain set flow rate  
Calibrated venturi pressure for flow and volume measurement  
Compatible with existing manual isokinetic testing equipment  
Low maintenance oilless sample pump  
Auto or Manual pump power control  
Lightweight Range 800-1100 mb









# ENVIRONMENTAL LABORATORY EQUIPMENT

			
<p>High Volume Air Sampler (HVAS) With PM10 INLET</p> 	<p>High Volume Air Sampler (HVAS) PM25</p> 	<p>SPECTRO Portable Hach DR 1900</p> 	<p>24 Hour Flow Chart Recorder TISCH, TE 500 GX</p> 
<p><b>BIOBASE</b></p>	<p><b>Wstyler</b></p>	<p><b>BUCK</b></p>	<p><b>RION</b></p>
<p>PP FUME HOOD BIOBASE</p> 	<p>WS Tyler Ro-TAP</p> 	<p>AP.BUCKS Personal Sampling Pump</p> 	<p>Sound Level Meter RION</p> 

# MINERAL AND COAL LABORATORY EQUIPMENT







				
<p>laboratory PV II MKII Pulverizer</p>  <p>Alsto's PV2 MKII can reduce a wide range of mineral ores and aggregate samples to a particle size of 95% passing 75 microns in a standard 3 minute cycle depending on material type.</p>	<p>JC2013 JAW CRUSHER</p>  <p>The Alsto JC2013 is a reliable, heavy duty crusher designed for general laboratory applications, ready and able to crush a large variety of sample types quickly and efficiently.</p>	<p>RC2015 Rolls Crusher</p>  <p>The Alsto RC2015 Rolls Crusher is a rugged and compact unit designed for the rapid yet controlled size reduction of a large number of sample types in laboratory applications.</p>	<p>Laboratory Drying Oven 2M3</p>  <p>The Alsto 2M3 Drying Oven is designed to dry mineral samples prior to sample preparation and analysis. In addition to ease of installation and maintenance these digital controlled ovens minimize use of laboratory floor space as they can be installed side by side with minimal floor space between them.</p>	<p>Cupellation Furnace</p>  <p>Gas (LPG &amp; NG) and Diesel (50 place and 100 place)</p>
<p>Cupellation Furnace</p>  <p>Electrical (50 place, 100 place &amp; 168 Place)</p>	<p>Fusion Furnaces</p>  <p>Gas (LPG &amp; NG) and Diesel (25 place and 50 place)</p>	<p>Fusion Furnaces</p>  <p>Electrical (20/28 place, 25/42 place &amp; 25/42 Place depending on crucible size)</p>	<p>Grinding Elements / Bowls Mills</p>  <p>The Bowls are standard and chrome steel construction. Bowl mills capacity from 100 ml up to 5000 ml. Standard bowls, discs and lids to suit most fine pulverising mills. The Bowls are made of hardened steel for long life and come in standard and chrome steel construction. Tungsten carbide bowl set is also available in 125cc size.</p>	

## MINERAL AND COAL LABORATORY EQUIPMENT

<p><b>U-THERM 友欣®</b></p> <p>Full Automatic Bomb Calorimeter TR-TC-Q9704</p>  <p>All the processes in the experiment are automatic, there is no need to fill oxygen, relief air, measure water, adjust water temperature. So the workload is greatly reduced.</p>	<p><b>U-THERM 友欣®</b></p> <p>Automatic Infrared Sulfur Analyzer TR-DL802</p>  <p>Suitable for power plants, coal mines, commodity inspection, environmental protection, geological exploration, metallurgy, papermaking, chemical industry, scientific research, education and other departments to determine the total sulfur content of coal, coke, petroleum and other substances.</p>	<p><b>U-THERM 友欣®</b></p> <p>Full-Automatic Infrared Sulfur Analyzer TR-DL810</p>  <p>The ultra-low drift infrared cell is adopted, with high precision and accuracy, and the operation is easier. 70 samples can be placed at a time, which can be unattended. Exhaust gas can be discharged to avoid laboratory air pollution. Real-time monitoring of laboratory ambient temperature and humidity.</p>	<p><b>U-THERM 友欣®</b></p> <p>Automatic Proximate Analyzer TR-FX7706</p>  <p>The test process, conditions and results of moisture, ash and volatile matter meet the requirements of the national standard, and the results of moisture and ash content are better than the requirements of the national standard, and do not need to be corrected</p>
<p>C/H/N Elemental Analyzer TR-CHN5510</p>  <p>It is suitable for power plants, coal mines, commodity inspection, environmental protection, geological exploration, metallurgy, papermaking, chemical industry, scientific research, education and other departments to determine the content of carbon, hydrogen and nitrogen in solid substances such as coal and coke.</p>	<p>Auto Ash Fusion Tester (Auto) TR-TCRD4000</p>  <p>It is used in electric power, coal, metallurgy, petrochemical, coal chemical, environmental protection, cement, papermaking, geological prospecting, scientific research institutes and other industries to determine the melting process of coal ash and other non-single compounds with no fixed melting point.</p>	<p>Full Automatic Moisture Analyzer TR-SF7340</p>  <p>It is used in power plants, coal mines, metallurgy, environmental protection, chemical industry, commodity inspection, scientific research, teaching and other departments to determine the content of total moisture and air-dry moisture in coal, coke and other substances.</p>	<p>Hardgrove Grindability Index Tester (HGI) TR-TCHG 60</p>  <p>This instrument can be used to test the coal grind ability by Hardgrove method. Hardgrove Grindability Index Tester is a special tester for testing the grindability of soft coal and blind coal. Takes grinding law as the theoretical basis (The energy consumed in coal grinding is proportional to the new surface area of coal dust).</p>



# MINERAL AND COAL LABORATORY EQUIPMENT

				
<p><b>Bench Top ring Mill</b></p>  <p>The Bench Top Ring Mill is a quiet and T efficient pulverizer. Designed to be mounted P on a work bench, it is a more compact version o of the standard ring mill.</p>	<p><b>Rocklabs RM2000</b></p>  <p>The Rocklabs M2000 Mk3 batch Mining pulverizer is capable of processing a variety f large mined samples up to 1.5kg in size, all he way down to -75 micron.</p>	<p><b>Rocklabs BOYD Elite</b></p>  <p>The ROCKLABS BOYD Elite is the world's first double-acting fine jaw crusher, employing jaws that can hold up to 5kg of sample and crush a 70mm sample to 2mm in a single pass.</p>	<p>Shaking Water Bath LSB-015S Labtech</p>  <p><b>LSB-015S Labtech</b> Quiet Shaking Mechanism</p> <ul style="list-style-type: none"><li>• Universal Rack takes Flask from 50ml</li><li>• PID Temperature Control up to 99°C</li><li>• Shakes from 20 to 250 rpm Digital Speed Control</li></ul>	
				
<p><b>Endecotts Precision Test Sievs</b></p>  <p>Endecotts laboratory test sieves and sample analysis equipment are used worldwide. Be it industrial sieve, laboratory test sieves, heavy engineering, mining or pharmaceuticals, Endecotts have the widest range of sieves available and are renowned for quality, durability and precision.</p>	<p><b>Woven Wire Sieves</b> Stainless steel woven wire.</p>  <p>Using the finest mesh to make the best quality sieves and manufactured to the most stringent engineering standards.</p>	<p><b>Perforated Sieves</b> Zinc plated mild steel plate. (Round or square hole available)</p>  <p>Laboratory test sieves with square and round holes, available in a full range of diameter and aperture sizes.</p>	<p><b>Coffee Bean Sieves</b> Round hole perforated plate sieves with sizes measured in 64th inches.</p>  <p>Used to grade coffee beans, these sieves are manufactured with a round hole stainless steel perforated plate with a stainless steel frame.</p>	<p><b>Sieve Shakers</b> Durable sieve shakers, each manufactured to suit different requirements and varying budgets.</p>  <p>Sieve shakers for dry and wet sieving for the full range of diameter test sieves from 100mm diameter to 450mm diameter. Easy to operate and no maintenance required.</p>






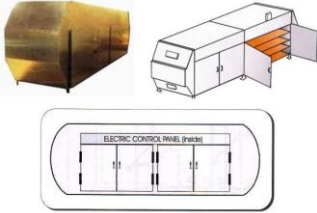








# MINERAL AND COAL LABORATORY EQUIPMENT

 <p><b>Rotary Sample Divider 15 Kg</b></p>  <p><b>Spesification:</b>  Power Source : Electromotor, 3 Phase  1/2 HP / 0,375 KW  220 - 380 Vac, 50 Hz  4 Pole  Capacity : 15 Kg  Turn Tabel : 40 Rpm  8 Purchase Sample Segments of  Stainless Dimensions : 80 cm (L)  35 cm (W)  110 cm (H)</p>	 <p><b>RO-Tap Sieve Shaker</b></p>  <p><b>Spesification:</b>  Power Source : Electromotor, 1 Phase  0,5 HP / 0,37 KW  220 - 380 Vac, 50 Hz  4 Pole  Motion : Circular : 246 Rpm Taps  : 65 Taps/Min  Capacity : 6 Sieve 1 Pan and Cover  Dimensions : 105 cm (L) 45 cm (W) 90 cm(H)</p>	 <p><b>Sample Splitter</b></p>  <p><b>Spesification:</b>  Chute Wide : 0,5"/1"  14 Number of Chutes  Material : Made of Stainless or Zinc  Plate the number of  Chutes and width are  Preferable  Dimensions : 30 cm(L)  22 cm(W)  28 cm (H)</p>	 <p><b>Oven Rotary</b></p>  <p><b>Spesification:</b>  Heating Element : 18 Kw, 3 Phase Blower  : 1 X 0,5 Hp, 3 Phase  Trolley : 170 x 163 x 173 cm  Tray : 50 x 30 x 5 cm, 32 Pcs  Dimensions : 90 cm ( Length )  200 cm ( Width )  220 cm ( Height )  Temperature : 110 °C</p>
 <p><b>Multi-Position Hotplate LMS-3006</b></p>  <p><b>Multi-Position Hotplate LMS-3006</b>  • 6 Position Hotplate Stirrer /  Independent Heat and Stirring  Control.  • Rugged High Density  Ceramic Coated Top Plate.</p>	 <p><b>Drying Oven ASTM</b></p>  <p><b>Spesification:</b>  Power Source : 1 phase, 220 volt, 50hz, 33kw  Heating Element : Finned Heater 3x1000 watt  Blower : 1 unit @300watt  Max Temp. : 110° C  Control : Digital Temperature  Tray : 50cm x 50cm x 5cm @12pcs  Dimenssion : 130cm x 80cm x 240cm</p>	 <p><b>Jaw Crusher</b></p>  <p><b>Spesification:</b>  Power Source : Electromotor 3 phase 5 Hp/4 Kw  Electricity : 220 - 380 / 50 Hz, 4 pole  Jaw Face : Two pieces made of hardened iron steel  Capacity : Max. 1000 kg / hour  Dimenssion : 120 cm x 60 x 85 ( H X W X L ) cm</p>	 <p><b>Double Roll Crusher 10"x6"</b></p>  <p><b>Spesification:</b>  Power Source : 3 Geared Motor, 3Phase  2x2 Hp, 3KW,  220-380V, 50Hz  4 Pole  Output : 260 Rpm  Rolls : Diameter : 10"  Length : 6"  Dimensions : 120 cm (L)  100 cm (W)  142 cm (H)  Choice Roll : 18"</p>

















# MINERAL AND COAL LABORATORY EQUIPMENT

 <p><b>Double Roll Crusher 20"x12"</b></p>  <p><b>Spesification:</b>  Power Source : 3 Geared Motor, 3Phase  2x2 Hp, 3.7KW  220-380V, 50H  4 Pole  Output : 100 Rpm  Rolls : Diameter : 20"  Length : 12"  Dimensions : 230 cm (L)  130 cm (W)  170 cm (H)  Choice Roll : 10"</p>	 <p><b>Hammer Crusher</b></p>  <p><b>Spesification:</b>  Power Source : 7,5 HP/ 10KW, 3Phase  Screw Conveyor : Speed Reducer  0,5 HP/ 350 Watt  3 Phase, Ratio 1:40  Hammer Blade : 2 Pcs Made of Hardened  Special Steel  Screen : Output 16 mm  Dimensions : 125 cm (L)  75 cm (W)  140 cm (H)</p>	 <p><b>Raymond Mill</b></p>  <p><b>Spesification:</b>  Power Source : Electromotor, 3Phase  2HP / 1,5 KW  2 Pole  Hammer Mill : 8 Pieces Made of  Special steel grade  Mill Rotages : 7.000 Rpm  Screen : 0,58 Perforation  Dimensions : 68 cm (L)  46 cm (W)  108 cm (H)</p>	 <p><b>Rotary Sample Divider</b></p>  <p><b>Spesification:</b>  Electromotor : 1 Phase 1 HP / 0,75KW  220 V, 50 Hz, 4 Pole  RPM 40 Rpm (Turntable)  Capacity : 50 Kg  Devier : 4pcs sample  segments of stainless  Vibrator Feder : electronic vibrator controller.</p>
<p><b>Lemari Asam (Fume Hood)</b></p>  <p><b>Spesification:</b>  Dimensions, Model :  - FH1800 : 1800 (P) x 90 (L) x 2400 (H) cm  - FH1500 : 1500 (P) x 90 (L) x 2400 (H) cm  - FH1800 : 1800 (P) x 90 (L) x 2400 (H) cm  - FH2000 : 2000 (P) x 90 (L) x 2400 (H) cm  Outside Wall Material : PVC (Polyvinyl Chloride) 10 mm thickness  Inside Wall Material : PVC (Polyvinyl Chloride) 8 mm thickness  Working Table : 1000 mm x 600 mm  Top Table : Phenolic Resin Material  Heat Exchanger : 3000 W  Accessories :  - 1 Set Double electric outlet (10A)  - 1 Set Water filling control and valve  - 1 Set PVC Chip Board  - 1 Set 1000 Watt heater on/off</p>	<p><b>Grinding Mill</b></p>  <p><b>Spesification:</b>  Geared Motor : 0,5 HP, 4 Pole, 3 Phase  220 - 380 Vac  Ratio 1 : 10  In Sample : 4,75 mm - 16 mm  Out Sample : -118 + 0,6 mm  Dimensions : 60 cm (L)  40 cm (W)  35 cm (H)</p>	<p><b>Drying Shed</b></p>  <p><b>Spesification:</b>  Blower Motor : 1 HP / 0,75 KW  110 - 220 V, 50 Hz  4 Pole  Obtain 40 °C constant use single element  heater 2.500 Watt.  Provided one unit automatic control.  Include 8 (eight) rack pans  Double wall contain glass wool.  Dimensions : 120 cm (L)  110 cm (W)  200 cm (H)</p>	<p><b>Hardgrove Grindability Index</b></p>  <p><b>Spesification:</b>  Power Source : Gearedmotor, 3 Phase  0,5 HP / 0,4 KW  220 - 380 Vac, 50 Hz  4 Pole  Ball Grinder : 8 Pieces Stel Ball  1" Diameter  Completed with digital preset counter, and three  optional loader.  Dimensions : 65 cm (L)  50 cm (W)  50 cm (H)</p>

# GENERAL LABORATORY EQUIPMENT

 <p><b>Lab. Pulverizer</b></p>  <p>Ball Grinder : Chrome Steel Power Source : Electromotor, 3 Phase 3 HP , 2,2 KW 220 - 380 V, 50 Hz 4 Pole, Vertical Types : C. 1000 Dimensions : 100 cm ( Length ) 69 cm ( Width ) 130 cm ( Height ) The machine Must be Provide with Mill Mate and Completed By Air Cromptressor Unit</p>	 <p><b>Dust Control Equipment</b> 4 Automatic Valve 20 Pieces Filter Bag</p>  <p>Blower : 5 HP/ 3 Phases Rotation : 2800 rpm/2 phole Automatic Valve : 4 units Digital Counter For valve Dimmension : 94 x 114 x 400 cm (L x W x H) Fully automatic reverse pulse dry bag houses Ventury and impingement scrubbers High efficiency cycloned Multi cyclones</p>	 <div style="display: flex; justify-content: space-around;">  <p><b>Big Drying Shed Oven</b></p> </div> <p>Blower : Type Exhaust Fan, 3 Phase 220 - 380V, Dia 20" Dimension : 250 cm x 100 cm x 120 cm (P x L x T) Temperature Operation : 0 - 120C Digital Type Adjustable Heater Element : 2 x 2000 Watt Kapasitas Pan : 25 x 25 x 3 cm, 40pcs Pan Material : Aluminium Besi Rangka : Stall Bar / Pipa Persegi Body / Tutup Rangka : Aluminium</p>	
 <p><b>ANALYTICAL BALANCE</b> <i>M Resolution 0,01 mg</i></p>  <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Electromagnetic force restoration weighing system</li> <li>• External or automatic internal calibration</li> <li>• LCD with backlight with adjustable contrast</li> <li>• Large glass draught shield with 3 sliding doors for easy access to the items being weighed</li> <li>• RS232 Serial Interface</li> <li>• Plastic protetction cover for keypad</li> <li>• Calibration Automatic Internal</li> <li>• Balance Dimensions (WxLxH) : 215x345x345</li> <li>• Net Weight / Gross Weight : 6,6 / 9,2 Kg</li> </ul>	 <p><b>SEMIMICRO BALANCE</b> HPB-Resolution 0,01 mg – 0,1 mg</p>  <p><b>Features :</b></p> <ul style="list-style-type: none"> <li>• Highly integrated weghing cell</li> <li>• Electromagnetic force restoration weighing system</li> <li>• Automatic internal calibration</li> <li>• Efficient filtering to deliver quick and accurate result</li> <li>• LCD with backlight with adjustable contrast</li> <li>• Large glass draught shield with 3 sliding doors for easy access to the items being weighed</li> <li>• Plastic protetction cover for keypad</li> </ul>	 <p><b>SEMIMICRO BALANCE</b> SHPBG-Resolution 0,01 mg</p>  <p><b>Features :</b></p> <p><b>Balance Technical Data Common Features</b></p> <ul style="list-style-type: none"> <li>• Span drift (+10..+30 °C) : +/- 2ppm / °C</li> <li>• Dimensions LxWxH (mm) : 345x215x345</li> <li>• Weighing chamber dimensions LxWxH (mm) : 162x171x225</li> <li>• Dimensions of external electornics box LxWxH : 175x105x50 (mm), weight 500g</li> <li>• Power supply 110-230Vac, 50/60Hz :</li> <li>• Output : 24V 500mA 13VA</li> <li>• Net Weight 7 Kg, Net Weight -ION models : 7,4 Kg</li> </ul>	 <p><b>SEMIMICRO BALANCE</b> M5 Resolution 0,01 mg</p>  <p><b>Features :</b></p> <ul style="list-style-type: none"> <li>• Highly integrated weghing cell</li> <li>• Electromagnetic force restoration weighing system</li> <li>• Automatic internal calibration</li> <li>• 5"Touch-screen Display 800x480</li> <li>• RS232 serial inrface</li> <li>• Selectable Measuring units</li> <li>• Internal Database</li> <li>• GLP</li> <li>• Multi Language (EN-DE-FR-IT-SP-PT)</li> </ul>

# WATER PURIFICATION SYSTEM

			
<p style="text-align: center;"><b>Genie G Ultrapure &amp; EDI Lab Water System</b></p>  <p><b>Design &amp; Functions</b></p> <ul style="list-style-type: none"> <li>• The system can be linked to multiple dispensers via CAN cable or wireless. "1+N" Mode.</li> <li>• Automatic temperature compensation allows RO production rate stable over a wide range of temperature.</li> <li>• Exceptionally consistent and predictable high purity Type II water from the best in class IonPure EDI (electrodeionization) module.</li> <li>• Fully automated system has cleaning, rising, flush and many other functions.</li> </ul>	<p style="text-align: center;"><b>Super-Genie R Water Purification Stations</b></p>  <p><b>Design &amp; Functions</b></p> <ul style="list-style-type: none"> <li>• The Super-Genie R is specifically designed to produce large volumes of RO water from tap water</li> <li>• The system is created to serve as a core workstation generating purified water for a single lab facility or several labs. It produces large volumes of Type II pure water and ultrapure water directly from tap water, integrating ultrapure water production into one system.</li> <li>• The system provides overall control and monitoring within the whole water purification network to ensure 100% reliability right from the very beginning.</li> </ul>	<p style="text-align: center;"><b>Genie U Ultrapure &amp; RO Lab Water System</b></p>  <p><b>Design &amp; Functions</b></p> <ul style="list-style-type: none"> <li>• The system can be linked to multiple dispensers via CAN cable or wireless. "1+N" Mode.</li> <li>• Automatic temperature compensation allows RO production rate stable over a wide range of temperature.</li> <li>• Fully automated control system has cleaning, rising, flush and many other functions.</li> </ul>	<p style="text-align: center;"><b>NuZar Water System Set, U24</b></p>  <p><b>Simple installation and maintenance</b> RFID tracking of consumables (RO Pack included) for enhanced management, Easy to remove consumable access cover. Automatic RO membrane cleaning cycles (Cl2 and pH cleaning)</p> <p><b>Reliable water quality and stable system performance</b> Stable RO permeability over a wide range of temperatures. Diversion to drain if quality of RO permeate falls below a pre-set set-point. Automatic hourly recirculation of ultrapure water</p>
			
<p style="text-align: center;"><b>Heal Force Smart NE</b></p>  <p>Heal Force Neofuge laboratory centrifuges, Smart NE system is a water purification system, integrating electrodeionization technology to product ultrapure water. EDI technology brings benefit including low energy consumption, lower maintenance cost, better ion exchange and no particulates or organic contamination.</p>	<p style="text-align: center;"><b>Heal Force Smart Plus EP - EPT</b></p>  <p>A comprehensive and optimized sequence of water purification and monitoring technologies allows the combined system to produce both pure(Type 2) and ultrapure water from tap. Patented EDI technology and ergonomic remote water dispensers provide consistent water quality and optimized delivery.</p>	<p style="text-align: center;"><b>Heal Force Smart Plus N-NT-NE-NET</b></p>  <p>Smart Plus provides the perfect solution. Consistently delivering water purity of 18.2MΩ.cm and underpinned by the advanced technologies, the Smart Plus enables you to focus on attaining accurate results while ensuring an uninterrupted work flow.</p>	<p style="text-align: center;"><b>Heal Force Smart P</b></p>  <p>Ultrapure water from purified water. The purified water quality required as feedwater. Tap water subjected to ion exchange,reverse osmosis or distillation. Optimally, the purified water supplied by a Heal Force Smart E/Smart RO system..</p>



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