

1. Cutting Mill



Description

Drive Power: 3kW with flywheel mass~28.5kg

Electrical supply data: Different voltages

Power connection: Single phase

Net weight: 160kg

Applications

Cutting mills are suitable for the grinding of soft, medium-hard, tough, elastic, fibrous, and heterogeneous mixes of products like aluminum slag, animal feed, bones, cables, cardboard, electronic components, feed pellets, foils, food, leather, lignite, material mixtures, non-ferrous metals, paper, PET preforms, pharmaceutical products, plant materials, plastic toys, plastics, polymers, refuse derived fuels, resins, rubber, spices, straw, textiles, waste, wood.

2. Tubular Furnace



Description

Temperature - 1400°C (Max.)

Input: 230 V, 16 A

Rating: 4kW

Digital temperature controller

Applications

Tube furnaces can be used for thermolysis reactions, involving either organic or inorganic reactants under required atmosphere (O_2 or N_2 or Argon) which flow through the tube. Here quartz or alumina tube is the working chamber.

3. Ashing Furnace (With Lenovo L300 Desktop)



Description

1100 °C maximum operating temperatures.

Carbolite Gero 301 controller, with single ramp to set point & process timer

Large floor area allows for large numbers of samples

Applications

Determination of organic matter content in materials such as sediment, sludge, soil and waste. Inorganic materials such as cement, lime, calcinated bauxite and refractories can also be tested.

4. UV Visible Spectrophotometer



Description

Wavelength range: 180 to 1,100 nm

Photometric system: Double beam optics

Resolution: 0.1nm for fixed and upto 4.0nm for variable configuration

Photometric range: Absorbance: -4.0 to 4.0 Abs

Applications

MS UV Plus is the ideal spectrophotometer for laboratory use. Its advanced Micro-controller based double beam Ultraviolet Visible Spectrophotometer with dual detector which comes with optional Bluetooth connectivity.

Analysis applications supports the following modes: Photometric; Quantization; Multi-wavelength; Scan Spectrum; Time scan Kinetics; DNA/Protein analysis

5. Flocculator Jar Test apparatus



Description

Flocculator has been specially designed for use in water treatment plants to correctly estimate the dosing of alum and such other coagulants for treatment of water and sewage. It provides identical test conditions for all samples. This unit is supplied without beakers to work on 220/230 V AC. The flocculator consists of a heavy-duty motor, a variable speed motor from 25 to 100 rpm with built-in speed control. The illuminated base consists of a fluorescent tube mounted below a translucent plastic plate to provide diffused cold light through the floc samples. The stirring shaft can be removed without disturbing the other stirrers.

Applications

- Coagulation
- Flocculation
- Sedimentation in water
- Wastewater treatment
- Other industrial applications

6. Thermo Weighing Balance



Description

Maximum capacity: 60g

Minimum capacity: 0.02g

Temperature range setting: 50 to 200-degree Celsius

Power: 400W

Operating temp/humidity range: 5 to 40-degree Celsius; 85% RH or lower

Applications

It supports moisture content determination for a wide variety of applications in the food, pharmaceutical, cosmetic, chemical, and mineral fields.
