

A photograph of a worker in a yellow hard hat and blue uniform, viewed from the side, standing in a factory or industrial setting. The background is blurred, showing various pieces of machinery and equipment. The lighting is somewhat dim, with some bright spots from overhead lights.

**Quality Control & Lab Equipments**

**Civil Lab Equipments**

**Concrete Testing Equipments**


**Bituman Testing Equipments**

**Soil Testing Equipment**

**VARDMA ENGINEERING PVT. LTD.**





1	<p><b>Silver Schmidt Digital Concrete Test Hammer</b> Digital concrete test hammer Type N for measurement of compressive strength of concrete, Reading in N, Psi, per user option, user selectable custom conversion curve, extended memory capacity. Provided with windows based software for evaluation &amp; filtering of data, USB cable &amp; rechargeable battery.</p>	
2	<p><b>Asphalt Content Ignition Tester</b> Asphalt Content Tester is the standard for determining the asphalt content percentage in Bitumen Mix based on electric ignition test method. Asphalt Content Tester's microcontroller in conjunction with the built in electronic weighing scale identifies the endpoint of ignition and indicates the completion of the test. Results are documented by a printer.</p>	
3	<p><b>Analogue Compression Testing Machine (CTM) 2000KN.</b> This is a hydraulic, electrically operated unit, designed for conducting compression tests on concrete specimens up to 20 cm. Diameter (or width and depth) and 30 cm, in height and also rocks and various other materials. Cold Crushing Strength (CCS) test is also possible. The machine consists of a steel cross head and cast iron base with two pillars connecting the base and cross head by means of nuts. The hydraulic jack is fixed to the base. The upper platen has got a self aligning action and is attached to a screw which passes through the cross head and can be raised or lowered for initial clearance adjustment. The lower platen rests on the jack ram and is positioned with the help of a centering pin. Loading is accomplished by the upward movement of the lower platen.</p>	
4	<p><b>Non-Nuclear Pavement Quality Indicator Model: PQI 380</b> Non-Nuclear asphalt density gauge, the PQI 380. This version of the PQI is fully equipped with a touch screen and a user friendly graphical user interface. the PQI 380 also utilizes an advanced GPS system which enables position and independent time logging. A USB port enables the user to easily download data files in a comma delimited file and print out the data.</p>	

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5	<p><b>Digital Compression Testing Machine Plate Type Capacity 2000kN LC : 1kN</b></p> <p>Compression Testing Machine, designed to conduct compression and crushing strength tests on Container, Concrete cubes &amp; cylinders, hollow blocks and various other materials in accordance with Indian and/or International standards. The machine is electro-hydraulically operated and is capable of accommodating test Siemens up to 40 x 40 x 50 cm high depending upon machine capacity. The loading unit consists of a cross-head and base with solid pillars or channel supports connecting the base and cross-head firmly.</p>	
6	<p><b>Pan Type Concrete mixer 40L</b></p> <p>CONCRETE Mixer PAN Type Laboratory\Model, Motorized: Light weight Laboratory Concrete mixer is designed to remove the burdensome work of hand mixing Uniform, thoroughly mixed batches can be produced in the field or laboratory. Mounted on a sturdy rubber tired stand. Drum is mounted for end discharge. Equipped with end towing pole. The efficient mixing of concrete is essential if quality specimens are to be manufactured. Pan type mixers are suitable for the mixing of small quantities of concrete in the laboratory for making test samples.</p>	
7	<p><b>Ductility testing machine</b></p> <p>with Digital Display - Both Cooling &amp; Heating Designed to test three specimens simultaneously. The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear unit ensures smooth constant speed and continuous operation. The entire assembly is mounted with a stainless steel lined water bath completely encased in metal bound hardwood. It is equipped with an electric pump circulator and heater. The temperature is controlled thermostatically. Two rates of travel i.e. 50 mm/min and 10 mm/min are provided. Suitable for operation on 230 V, 50 Hz, Single Phase, A.C. supply.</p>	
8	<p><b>RING AND BALL APPARATUS SEMI-AUTOMATIC EQUIPMENT</b></p> <p>This apparatus used for the determination of softening point of asphaltic bitumen and fluxed native asphalt, road tar, coal tar pitch and blown type bitumen.</p>	










17	<b>TAR VISCOMETER</b> It is used for determining the viscosity of cut back bitumen and road oil.	
18	<b>FILM STRIPPING DEVICE</b> This device is used to measure the resistance of bituminous mixture to stripping of the asphalt from rock particles and is generally used to evaluate from rock particles and is generally used to evaluate the Mineral aggregate. It may also be used to judge the adhesive capacity of bituminous material. The test is Applied to the aggregate fraction passing the 9.5mm sieve.	
19	<b>SAYBOLT VISCOMETER</b> It is used for the empirical measurement of Say bolt Viscosity of petroleum products at specified Temperature between 70 degree. F and 210 deg. F.	
20	<b>FLEXURE TESTING MACHINE</b> Flexure test machine for testing flexural strength of concrete beams It is utilized to test tensile strength Value. The test method is based on application of load at the center of a beam of concrete that is supported at both ends.	
21	<b>BENKELMAN BEAM APPARATUS</b> It uses the technique of using balanced beam in conjunction with a suitable vehicle to measure road flexure. It is also used for measuring the deflection pavements under moving wheel loads.	



22	<p><b>VEE-BEE CONSISTOMETER</b></p> <p>The Vee Bee Consistometer provided by us is used for workability as well as consistency of fresh concrete. The Vibration Table with container and acrylic disc is chiefly used to find out workability of concrete expressed in Vee Bee degrees.</p>	
23	<p><b>VIBRATING HAMMER</b></p> <p>The vibrating hammer is a useful and convenient Hammer for compacting concrete specimen in cube moulds of different sizes. Electrically operated. Operations on 220V, 1 phase, 50 cycles, AC supply.</p>	
24	<p><b>CEMENT AUTOCLAVE FOR A HIGH PRESSURE STEAM WITH STAINLESS STEEL CYLINDER</b></p> <p>Cement autoclave is used to estimate the delayed expansion of Portland cement.</p>	
25	<p><b>VIBRATION MACHINE</b></p> <p>Vibration machine is used for vibrating concrete mix in concrete moulds at 12000 +/- 400 cycles per minute, the vibrations itself is developed by the revolving eccentric shaft. Come prefited with motor and digital timer.</p> <p>Provided with a cube mould of 7.06cms with base plate, poking rod.</p> <p>Specification:</p> <ul style="list-style-type: none"><li>a. Poking rod<ul style="list-style-type: none"><li>-Hardness: 80+/10 units</li><li>-Length : 150 ~ 175mm</li></ul></li><li>b. Mass of vibrator on its supporting springs excluding solid eccentric shaft and cube but including mass of mould, mould clamp and hopper. : 29 +/- 0.5kgs</li><li>c. RPM of eccentric shaft: 12000±400</li><li>d. Motor: 1HP</li><li>e. Suitable for operation on 220V, 50Hz single phase AC Supply.</li></ul>	



35	<b>VIBRATING TABLE</b> Vibrating Table used for preparing concrete cubes and cylinders for compression test. Vibrating Table are useful to produce better concrete Moulds and cylinders by removing entrapped air, ensuring even concrete distribution inside moulds and elimination of bug holes and air bubbles.	
36	<b>LENGTH COMPARATOR</b> This apparatus is used to determine the changes in length of cement prisms in the accelerated soundness test. It also used to measure the length changes and other sizes of cement and concrete specimens.	
37	<b>FLAKINESS &amp; ELONGATION GAUGE</b> Determination of Flakiness and Elongation. Aggregates which are flaky and/or elongated will often lower the workability of a concrete mix and may also affect long term durability.	
38	<b>FLOW TABLE, MOTORIZED</b> This is used for determining consistence of fresh mortar. Used to perform flow tests for consistency of concrete mortars, concrete masonry cement, Portland Cement and hydrated lime. Also used for compression strength.	
39	<b>VICAT APPARATUS</b> Vicat Apparatus for measurement of consistency and setting time of cement- to determine the amount of water required to produce a cement paste of standard consistency.	





40	<p><b>Electrical Oven</b> Double walled constructed with inside aluminum / Stainless Steel chamber having 60-75 mm glass wool insulation. Door is Fitted with heavy chrome plated hinges. Provided with adjustable Steel / Aluminum / Wire mesh trays. Temperature is recorded by means of L shaped thermometer fitted at the front of the cabinet. Temperature controlled by hydraulic capillary thermostats TEMPERATURE GAUGE:- AMBIENT TO 250° ±1° Signal and three Phase.</p>	
41	<p><b>Leaser Thermometer</b></p> 	<p><b>Digital Rodo Meter</b></p> 
42	<p><b>Beam Mould</b></p> 	<p><b>Cube Moulds</b></p> 
43	<p><b>Seive Shaker</b></p> 	<p><b>Seive</b></p> 
44	<p><b>Rapid Moisture Meter</b></p> 	<p><b>Auto Level</b></p> 

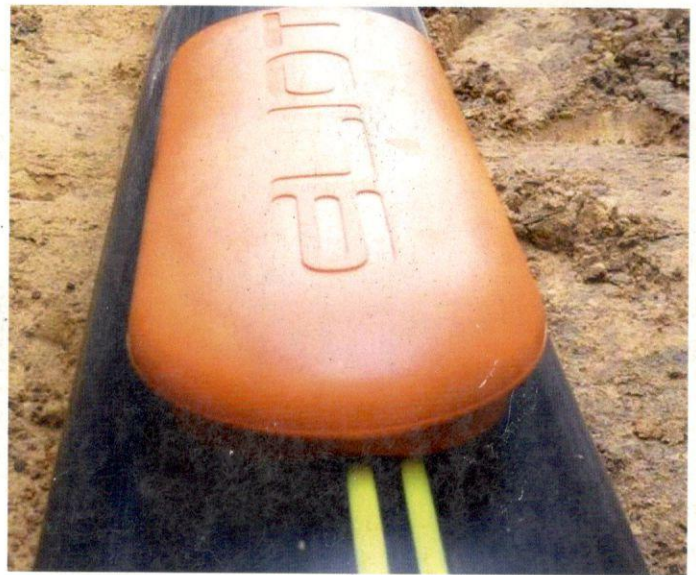
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# Underground Utility Solution



**Electronic Ball Marker**



**RFID Marker**



## Cable Fault Locators



For Underground  
LT/HT Power Cables

**Cable Fault Locator**



**Underground Utility Locator**

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