

*Welcome!*

# **Naugra Lab Equipments**

“ Civil Engineering Laboratory Equipments  
Manufacturers ”

To know more visit at

<https://www.naugralabequipments.com>

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## Concrete Testing Lab Equipment

### Concrete Vibrator Machine With Nozzle

#### Technical Specifications

- **Cylinder Mould :**  
(  $\phi$ 150 x 300 mm), (  $\phi$ 100 x 200mm ) and (  $\phi$ 150 x 150 mm )  
capacity Split cube mould : 15 kg
- **Quarter cube mould :**  
150 x 150 x 150 mm of 16 kg
- **Concrete cube mould :**  
150 x 150 x 150 mm of 16 kg
- **Cement Mortar Mould :**  
70.7 x 70.7 x 70.7 mm (cast iron), 50 x 50 x 50 mm ( steel production )

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# Cement Testing Lab Equipment

## Concrete Mixer Machine

### Technical Specifications

- Input volume : 96 L
- Mix Yield : 60 L
- Mixing Time : 45 sec
- Speed of the mixing shaft : 45 RPM
- Motor power : 3.2 KW

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# Cement Testing Lab Equipment

## Vicat Apparatus

### Technical Specifications of Vicat Apparatus

- Complete with one each of mould, glass plate, Initial needle, final needle & consistency plunger. Sturdy steel Base plate, adjustable height main axis.
- A Frame With A Vertically Moving Bearing Rod
- Mould In The Form Of Frustum Of A Cone 70 Mm Bottom Dia.
- 60 Mm Top Dia. And 40 Mm High With Base Plate
- Needle 1 Mm Dia. X 50 Mm Long
- Plunger 10 Mm Dia. X 50 Mm Long
- Plunger 19 Mm Dia. X 44.4 Mm Long
- Plunger 12.5 Mm Dia. X 25 Mm Long
- One Brass Weight

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## Soil Testing Lab Equipment

### Consolidation Equipment (Settlement Of Soil)

#### Technical Specifications

- **Size of specimen :**  
Ø61.8 x 40 mm
- **Side pressure :**  
0 KPa ~ 1200 KPa
- **Working temperature :**  
20±5°C - 30±5°C
- **Relative moisture :**  
<85%
- **Axial load :**  
5 ~ 7 KN
- **Axial displacement :**  
0-12 mm
- **Relative Error of the height :**  
±2%
- **Relative Error of the proving ring :**  
<1%

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# Bitumen/Asphalt Testing Lab Equipment

## Core Drilling Machine (Motorised)

### Salient Features

- **Dimension approx. are as under :**
- **Base :**  
600 x 1200mm
- **Drill Speeds :**  
900 RPM for soft samples & 350RPM for hard samples.
- **Suitable for 230 volts AC, single phase**
- **Height :**  
1300mm
- **Head travel on rack :**  
350mm
- **Water Swivel :**  
Built in the machines.
- **Accessories :**  
1. Thin wall diamond bits 2. Core Barrel.

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## Aggregate Testing Lab Equipment

### Los Angeles Abrasion Testing Machine

The machine consists of a hollow cylinder mounted horizontally on a sturdy frame on ball bearings. There is an opening which can be closed with a dust tight cover to facilitate charging and discharging the drum with the material under test. A detachable shelf which extends throughout the inside length of the drum which catches the abrasive charge and does not allow it to fall on the cover. The drum is rotated by an electric motor through a heavy reduction gear at a speed of 30-33 R.P.M. A revolution counter is fitted to the frame. A tray is supplied for collection of the material at the end of the test. Complete with Abrasive Charge consisting of a set of Twelve hardened steel balls, approximately 48mm dia. Suitable for operation on 440 V, 3 Phase, 50 cycles, A.C. Supply.

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## Rock Testing Lab Equipments

### Core Cutting/Core Drilling Machine

Dimension approx, are as under

- **Height :**  
1300 mm
- **Base :**  
625 x 900 mm
- **Accessories :**  
(1) Thin wall diamond bits.  
(2) Core barrel.
- **Drill speeds :**  
900 R.P.M. for soft samples  
& 350 R.P.M. for hard Samples
- **Water swivel :**  
Built in the machines.
- **Head travel on rack :**  
500mm

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# Steel Testing Lab Equipment

## Pendulum Impact Testers

### Main Features:

The lifting of the hammer is performed by a motorized system, for automatically resetting of the instrument after each test

Specimen loading is done via a special device which automatically centers the specimen on the supports

The digital console is complete with backlight LCD display and keyboard with tactile membrane

The control unit allows selection of each test type, with the corresponding reference standard. The results can be displayed in sequence on the display and stored in the memory

The results can be printed or handled by a dedicated software installed on PC.

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## Survey Lab Instruments and Accessories

### Total Station

#### Specification

Total Station offers a state-of-the-art at an affordable price. This fully electronic device will pull angles and distances to a prism reflector with the push of a button. With no mode prism, you can measure up to 200 meters (650ft) without prism. A lead optical website for quick and easy set-up. A 4 line adjustable LCD display for easy data manipulation. Four yellow function key to guide you

Reflectorless 2" total station

2 NiMH batteries

AC Charger

Hard shell carrying case with strap

RS-232 PC download cable

User manual

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# Non Destructive Testing Equipment

Concrete Mapping GPR

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# Lab Equipment & Accessories

Measuring Tapes

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