



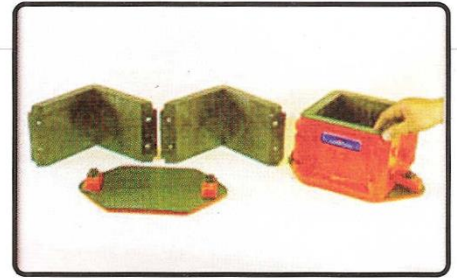
**CO-301**

### CONCRETE CYLINDER MOLD

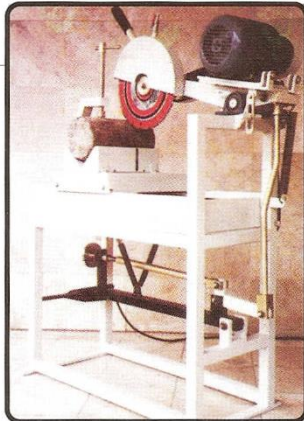
Cast iron, for forming concrete cylinder sample.  
 CO-300 Concrete Cylinder Mold 10 cm dia x 20 cm height  
 CO-301 Concrete Cylinder Mold 15 cm dia x 30 cm height  
 Dimension ( l x w x h ) : 15 x 15 x 25 cm / 20 x 20 x 35 cm  
 Gross weight : 12 kg / 17 kg

### CONCRETE CUBE MOLD

Cast iron, for forming concrete cube sample  
 CO-311 Concrete Cube Mold 10 x 10 x 10 cm  
 CO-312 Concrete Cube Mold 15 x 15 x 15 cm  
 Dimension ( l x w x h ) : 20 x 20 x 15 cm / 25 x 25 x 20 cm  
 gross weight : 14 kg / 19 kg



**CO-312**



**CO-318**

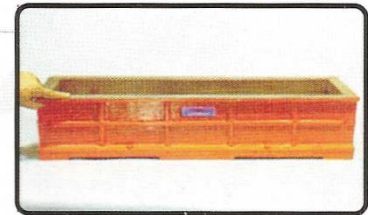
### SPECIMEN CUTTING MACHINE ( CO - 318 )

This Cutting Machine is suitable to cut any type of construction material and is especially designed to cut concrete and rock cores. The machine is foreseen of a device to adjust the vertical stroke of the head, pedal guide for vertical cutting, movable protection caster, device to fix oscillating head, protection device against breakage of blade

**Specification**  
 Diamond Blade size : 12 inch diameter  
 Specimen size : 5 cm .diameter  
 Rock or Concrete : 10 cm .diameter and 15 cm .diameter  
 Water Cooling Pump : Medium size, 220 VAC, 1 phase  
 Power consumption : 220 / 380 Volt, 3 phase, 1500 Watt  
 Dimension L x W x H : 130 x 60 x 140 cm  
 Gross Weight : 65 Kg

### CONCRETE BEAM MOLD

Cast iron, for forming concrete beam sample  
**CO-317A Concrete Beam Mold** 15 x 15 x 60cm  
**CO-319A Concrete Beam Mold** 20 x 20 x 80 cm  
 Dimension ( l x w x h ) : 20 x 70 x 20 cm / 25 x 90 x 25 cm  
 Gross weight : 40 kg / 60 kg



**CO-317 A**

### COMPRESSION MACHINE

**ASTM C,39**  
 For determining compressive strength of concrete cube 15 x 15 x 15 cm  
 or concrete cylinder 15 cm dia. x 30 cm height.

<b>Frame</b>	Heavy-duty welded steel construction 30 cm I-profile steel columns 10 cm thick bottom and upper plate
<b>Hydraulic System For 1500 kN Cap.</b>	Cast iron cylinder, Hard-chromed piston, 230 mm diameter Maximum working pressure 50.000 kPa Overall dimension 280 mm dia. x 320 mm height. Single action, gravity return.
<b>Hydraulic System For 2000 kN Cap.</b>	Mild-Steel cylinder, Hard-chromed piston, 230 mm diameter Maximum working pressure 50.000 kPa Overall dimension 300 mm dia. x 320 mm height. Single action, gravity return.
<b>Hydraulic System For 3000 kN Cap.</b>	Mild-Steel cylinder, Hard-chromed piston, 250 mm diameter Maximum working pressure 50.000 kPa Overall dimension 330 mm dia. x 320 mm height. Single action, gravity return.
<b>Hydraulic Pump</b>	Hand operated, single action 6.000 ml reservoir capacity Maximum working pressure 50.000 kPa. Single action, gravity return.
<b>Force Gauge</b>	Bourdon tube manometer, 280 mm dial diameter With maximum load pointer. Steel box housing. Calibrated by JNK
<b>Compressive Platen</b>	Upper: 180 x 180 mm, ball seating Lower: 250 mm diameter
<b>Clearance</b>	Horizontal: 290 mm Vertical: 310 mm
<b>Dimension</b>	660 x 600 x 1400 mm ( l x w x h ) approx.
<b>Weight</b>	500 kg



**CO-321.4**

**CO-321.3 Compression Machine** capacity,  
**CO-321.4 Compression Machine**  
**CO-321.5 Compression Machine**

1500 kN

10 kN increments,  
 2000 kN capacity,  
 10 kN increments,  
 3000 kN capacity,  
 20 kN increments



CO-325.4

## COMPRESSION MACHINE

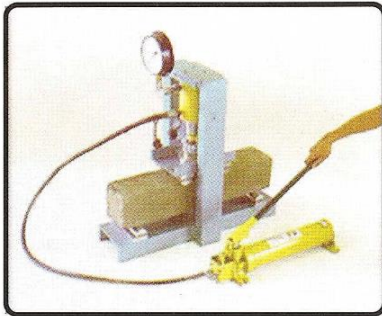
### ASTM C-39

For determining compressive strength of concrete cube 15 x 15 x 15 cm or concrete cylinder 15 cm dia. x 30 cm height.

<b>Frame</b>	Heavy-duty welded steel construction 30 cm I-profile steel columns 10 cm thick bottom and upper plate
<b>Hydraulic System For 1500 kN Cap.</b>	Cast iron cylinder, Hard-chromed piston, 230 mm diameter Maximum working pressure 50.000 kPa Overall dimension 280 mm dia. x 320 mm height Single action, gravity return.
<b>Hydraulic System For 2000 kN Cap.</b>	Mild-Steel cylinder, Hard-chromed piston, 230 mm diameter Maximum working pressure 50.000 kPa Overall dimension 300 mm dia. x 320 mm height. Single action, gravity return.
<b>Hydraulic System For 3000 kN Cap.</b>	Mild-Steel cylinder, Hard-chromed piston, 250 mm diameter Maximum working pressure 50.000 kPa Overall dimension 330 mm dia. x 320 mm height. Single action, gravity return.
<b>Hydraulic Pump</b>	Electric, 220 V AC, 50-60 Hz, 1000 Watt, 1 Phase Single action, variable speed 6,000 ml reservoir capacity Maximum working pressure 50.000 kPa. Single action, gravity return.
<b>Force Gauge</b>	Bourdon tube manometer, 280 mm dial diameter With maximum load pointer. Steel box housing. Calibrated by JNK
<b>Compressive Platen</b>	Upper: 180 x 180 mm, ball seating Lower: 250 mm diameter
<b>Clearance</b>	Horizontal: 290 mm Vertical: 310 mm
<b>Dimension</b>	760 x 320 x 1400 mm
<b>Weight</b>	( l x w x h ) approx. 500 kg

<b>CO-325.3 Compression Machine</b>	1500 kN capacity, 10 kN increments.
<b>CO-325.4 Compression Machine</b>	2000 kN capacity, 10 kN increments.
<b>CO-325.5 Compression Machine</b>	3000 kN capacity, 20 kN increments.

Alternative model of compression machine  
CO-XXX.X-D As specified above, with digital read out



CO-330

## HYDRAULIC CONCRETE BEAM TESTING MACHINE ( CO-330 )

### ASTM C-78

For determining the flexural strength of concrete beam by using a simple beam with third point loading. 100 kN cap., hydraulic hand pump, manometer reading, sample size 15 x 15 x 60 cm, welded steel construction

Dimension ( l x w x h )	: 100 x 50 X 100 cm
Gross weight	: 110 kg

## MECHANICAL CONCRETE BEAM TESTING MACHINE ( CO-351 )

### ASTM C-78

For determining the flexural strength of concrete beam by using a simple beam with third point loading. 50 kN cap., mechanical jack, proving ring reading, sample size 15 x 15 x 60 cm, welded steel construction

Dimension ( l x w x h )	: 100 x 40 x 100 cm
Gross weight	: 110 kg



CO-351



CO-355

## COMPACTING FACTOR APPARATUS ( CO-355 )

### BS-1881

For determining work ability of compacting factor concrete of low, medium and high work ability. Welded steel frame construction, two conical mold, cylinder mold.

Dimension ( l x w x h )	: 30 x 60 x 130 cm
Gross weight	: 75 kg