

## Pro-Ikon Automatic CBR/UCS/ITS & Marshall Testing Machine Series

The Automatic CBR, UCS, ITS and Marshall Testing Machine is designed to provide uniform testing of specified tests, thus ensuring repeatable test results.

The unique design of a two column frame with a cross beam support for non-deflection during testing to allow accurate results.

The new compact design also allows easy transport to Site Testing Laboratories. The silent durable motor and gearbox design assure uniform penetration onto the specimen samples for accurate results.

Pre-programmed Tests conforming to the Standards, can be selected on the control panel and also allow the operator to customize the speed and load rates between SANS and TMH1.

The machine is provided with a load cell and proximity sensor for accurate load and displacement results digitally. Also featuring upper and lower limit switches to allow automatic stop while operating. Fully automated control to allow automatic retracting (return) after testing completes.



### KEY FEATURES

- Automatic control by an Advance Controller
- Unique programming PID (Proportional–Integral–Derivative) for accurate speed and load rates.
- Pre-programmed CBR, UCS, ITS and Marshall tests conforming to SANS and TMH1.
- Automatic retracting after testing is complete.
- Easy use and maintenance.
- Durable membrane touch button console
- Silent motor and gearbox design.
- Not mechanical chains driven.
- USB Connectivity for communication to PC Software, downloading of test log data and for uploading firmware updates.
- Compact Design to allow easy transport to Site Testing Laboratories.

## Pro-Ikon Automatic CBR/UCS/ITS & Marshall Testing Machine Series

**Pro-Ikon Automatic CBR/UCS/ITS & Marshall Testing Machine - Model PGC-1000. (200 kN)**

**Pro-Ikon Automatic CBR/UCS/ITS & Marshall Testing Machine - Model PGC-1000.100 (100 kN)**

**Pro-Ikon Automatic Marshall-ITS Testing Machine - Model PGC-1000.50 (50 kN)**

### Specifications

MODEL	PGC - 1000	PGC - 1000.100	PGC - 1000.50 Marshall
MOULD / SPECIMEN DIA.	152.0 mm	152.0 mm	100 mm
Platen Travelling Distance	80 mm	80 mm	80 mm
Pre-programmed tests (Selectable conforming to Standards)	CBR, UCS, ITS and Marshall	CBR, UCS, ITS and Marshall	ITS and Marshall
CAPACITY (LOAD)	200 KN	100 KN	50 KN
SPEED RATE ( User Defined )	1.00 – 55.00 mm/min	1.00 – 55.00 mm/min	1.00 – 55.00 mm/min
LOAD RATE ( User Defined )	40 – 150 kN/min	40 – 150 kN/min	40 kN/min
POWER RATING	230V ± 10% 750 W approx.	230V ± 10% 550 W approx.	230V ± 10% 180 W approx.
OVERALL DIMENSIONS (W X D X H)	750 x 590 x 1100 mm	750 x 590 x 1100 mm	670 x 510 x 1000 mm
WEIGHT APPROX	160 kg	120 kg	70 kg

**\* All accessories must be ordered separately**

OPTIONAL CBR ACCESSORIES	Duosity Controller Software, CBR Press Bag ( Cover ), SVC Voltage Stabiliser Output 220 V.
Accessories Needed To Perform Tests	CBR Penetration Weight , CBR Penetration Piston, UCS Breaking Head, ITS Breaking Head.

**\* All accessories must be ordered separately**

OPTIONAL MARSHALL ACCESSORIES	Duosity Controller Software, Marshall Press Bag(Cover), SVC Voltage Stabiliser Output 220 V.
Accessories Needed To Perform Tests	Marshall Breaking Head, ITT Breaking Head.