



**2000kN**

## FULLY AUTOMATIC COMPRESSION MACHINE

Standard: AASHTO T106, AASHTO T177, AASHTO T198, AASHTO T 22, AASHTO T97, BS 1881, BS 1610, ASTM C1019, ASTM C109/C109M, ASTM C39/ C39M, ASTM C469/C469M, ASTM C293/C293M, ASTM C496/C496M, ASTM C78/C78M, ASTM D7012, EN 12390-4, BS 1881:115

Compression testing machine 2000 kN capacity motorized with Servo control unit (fully automatic model), to test cylinders : 160x320 mm, 100 X 200mm ,flexure test, cubes up to 150 mm side, rock (UCS).

### Main Features:

- Front door and back door for easy access to the servo unit
- Pump and servo power can easily slide to the front for easy maintenance or service if ever required.
- Fully covered safety enclosure.
- Auto and fast rapid approach, Auto tare, Auto loading, Auto release.
- Due to our DC motor, we have low power consumption, and low oil temperature problem.
- Low vibration and noise.
- Industrial type touch screen controller 7 inch.
- High volume testing
- Metal safety guard
- Ergonomically designed load frame ensure safety, reduce operator fatigue, and provide the highest level of flexibility (No need for any support)
- Piston Travel Electric Switch For Safety is standard on all machines.
- Auto-Result Saving up to 450 test.
- USB connection and RS-232 are available.
- Controller has 2 channel.
- Emergency switch is standard
- Password protection can be defined from the menu.
- Programmable % of failure.
- Speed indicator pointer is adjustable from the controller (Min +/- 1% and up).
- Compression bottom platen and top spherical seat assembly are surface hardened over 55 HRC and rectified.

**Technical Specifications :**

Model Number	
Piston Ram Diameter	250mm
Piston Ram Travel	53mm
Maximum Vertical Clearance (from bottom plate to the upper plate of spherical seat assembly)	375mm
Maximum Horizontal Clearance	370mm
Spacers Included	Ø208 x 50 mm high Ø208 x 60 mm high Ø208 x 100 mm high
Upper Bearing Block Diameter	165mm
Flatness Tolerance	+/- 0.02mm
Accuracy	Class 1 to ISO7500-1 or exceed ASTM E4 ( better then 1%)
Oil Pump Capacity	20L ISO 68 oil type, high quality grade
Power	110V , 60Hz 1Ph ,800 Watts
Total Weight	1090Kg

\*3000kN and 5000kN cap machine are available.