



FULLY AUTOMATIC COMPRESSION MACHINE (HIGH STABILITY WELDED FRAME)

Standard: EN 12390-3, EN 12390-4, ASTM C39, AASHTO T22

Compression And Flexural

Advanced upgraded model, high rigidity, compact & modern design. High end long lasting servo motor for super efficient speed control, low noise, low temperature & efficient energy consumption. Full protective cover with limit switch to prevent piston from over - travel.

FEATURES:-

- *High stability frame comply with BS EN 12390-4 provides perfect distribution of load over entire sample surface to produce consistent, maximum & relevant test results.
- *Powered by advanced servo motor for high efficiency control & energy saving.
- *Heavy duty industry TOUCH SCREEN operated monitor.
- *Extremely low sound & vibration during operation.
- *User friendly computerised system.
- *Original genuine parts low maintenance.
- *Free from foundation mounting.
- *Fully covered safety enclosed.

SOFTWARE SUPER TEST

- *User friendly one click RUN to operate & clear menu display indication.
- *Options to select number of decimal points to display for Load, Strength & Speed.
- *Real time display of Load against Time curve & options to display curve in test report.
- *Number of samples per report can be added up to 10 samples.
- *Unlimited savings of test result in huge computer storage memory.
- *User input of Test Number, Strength, Age, Sample Size (cube, block & cylinder) & Loading Speed.
- *Test report can be printed immediately after test with a printer connected.
- *Test report header can be input manually for various information such as customer information, weight, mixing ratio, project, etc.
- *Simple automatic or manual loading for calibration with auto correction function for load error.
- *Software consists of dual programmes for compression & flexural tests.

Technical Specifications :

Model Number			NL 4000 X / 034HS
Frame	Max. Bearing	Beam Deformation	≤ 0.002 mm
	Deformation of Frame	Column Deformation	≤ 0.45 mm
	Cylinder Layout		Underslug
	Cylinder Linerity	Ovality	≤ 0.015 mm
		Vertically	$\leq \pm 0.03$ mm
		Roughness	$\leq Ra 0.4 \mu m$
Oil Source	Oil Source	Flow	Yuli 4.5 ml/rev
		Pressure	40 MPa
	Sensor	Sensitivity Coefficient	2 mv/v
		Nonlinear	0.2 %FS
		Repeatability	0.05 %FS
Maximum Test Force			2000 kN
Test Force Measurement Range (kN)			40 - 2000
Range			There is no gear in the whole process, which is equivalent to fort gears.
Relative Error of Test Force Indication			$\leq \pm 1\%$
Test Force Resolution			1/300000 FS
Equal Rate Control Range of Test Force			0.1 % - 4 % FS/s
Speed Control Accuracy Error			$\leq \pm 2\%$ Set Value
Horizontal Clearance			460 mm
Max. Distance between Upper & Lower Pressing Plates			90 - 340 mm
Dimension of Upper & Lower Pressing Plates			$\varnothing 295$ mm
Piston Movement Direction			Bidirectional Cylinder
Max. Rising Speed of Piston			50 mm/min
Max. Piston Stroke			250 mm
Dimension			1026 x 590 x 1425 mm
Weight			810 kg
Power Source			220~240V, 400W, 2.5A, 1Ph, 50/60Hz, 0.55Hp



TOUCH SCREEN DISPLAY