

ECO-SMARTZ AUTOMATIC TOUCH SCREEN FLEXURAL MACHINE

Standard: EN 12390-5, ASTM C78 & C293

Flexural Test

Our flexural frame has been designed to achieve minimum deflection at maximum pressures resulting in very high accuracy. Overall structure are rigid & compact. Using DC motor for more durability, low noise pollution, low oil temperature & low power consumption.

Touch Screen Smartz Controller V 1.1

Clear, easy to read, sensitive & large LCD touch screen display of 155mm(W) x 85 mm(H)

Maximum force hold facility with real time Force vs Time graph display.

User input test number, age, weight & density for complete sample information.

Real time speed indicator bar for better current speed reference for better control

Manual loading & conditional automatic loading for compression machines with suitable DC motor control system.

Automatic conversion from kN to Mpa according to the chosen sample types.

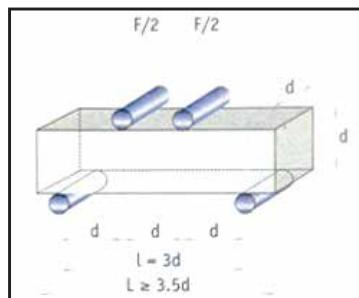
Technical Specifications :

Model Number	NL 4008 X / 003	NL 4008 X / 004
Max. Capacity	100 kN x 0.1 kN Sensitivity	150 kN x 0.1 kN Sensitivity
Load Sensor Capacity	30 kPa	50 kPa
Roller Size (mm)	28 Dia. x 160 mm Lg.	
Max. Vertical Clearance	165 mm	
Max. Horizontal Clearance	160 mm	
Max. Piston Travel	80 mm	
Loading span	100 mm / 150 mm or Single	
Support span	300 mm / 450 mm	
Frame Dimension	300 (L) x 340 (W) x 1108 (H)	
Consol Unit Dimension	350 (L) x 400 (W) x 1158 (H) mm	
Power	220 V, 2.5 Amp, 1/2 ph, 50 / 60 Hz	
Approx. Product Weight	261 kg	260 kg

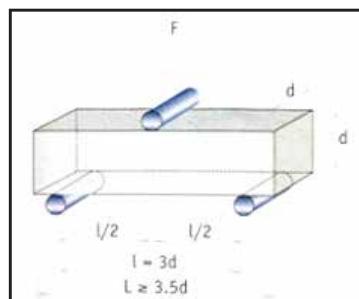
*1 Copy of Manual Instruction

Unit Consists Of :

Model Number	Parts Description	Qty
NL DCC – 2K	DC Power Control Console	1no.
NL 4008 X / 001 – P 002	100 / 250 kN Hydraulic Flexural Frame	1no.



4 Points Bend Setup
(2 Points Loading)



3 Points Bend Setup
(Centre Point Loading)

