

## FULLY AUTOMATIC TOUCH SCREEN COMPRESSION MACHINE (HIGH STABILITY FRAME) 4000 kN

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

### Compression And Flexural

Newly upgraded model with brand new outlook. Old AC motor replaced by new imported DC motor for more durability, low noise pollution, low oil temperature & low power consumption.

### FEATURES:-

- Energy saving
- Less vibration & noise
- Auto result saving up to 450 specimen
- Simple operation system
- Dual channels ready for compression & flexural
- Piston travel switch

### ADDITIONAL FEATURE :-

- Upgraded fully covered safety enclosed
- Extended base frame for comfortable operation level
- USB port to export test result

### Touch Screen Smartz Controller V 1.8

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 4000FT / HSF4K                           |
|-----------------------------|---------------------------------------------|
| Max. Vertical Clearance     | 435 mm                                      |
| Max. Horizontal Clearance   | 580 mm                                      |
| Capacity                    | 4000 kN x 1.0 & 999 kN x 0.1 kg Sensitivity |
| Compression Platen Diameter | 300 mm                                      |
| Piston Ram Diameter         | 440 mm                                      |
| Piston Ram Travel           | 50 mm                                       |
| Accuracy                    | Class 1                                     |
| Frame Dimension             | 750 (L) x 660 (W) x 1500 (H) mm             |
| Console Dimension           | 620 (L) x 500 (W) x 1300 (H) mm             |
| Approx. Product Weight      | 2800 kg                                     |
| Approx. Packing Weight      | 2950 kg                                     |
| Power                       | 220~240 V, 1 Ph, 50/60 Hz, 2.5 A            |

### Unit Consists Of :

| Model Number     | Parts Description            | Qty  |
|------------------|------------------------------|------|
| NL 4000 HS / D50 | Distance Piece Ø208 x 50 mm  | 1no. |
| NL 4000 HS / D60 | Distance Piece Ø208 x 60 mm  | 1no. |
| NL 4000 HS / D80 | Distance Piece Ø208 x 100 mm | 1no. |

\*1 Copy of Manual Instruction

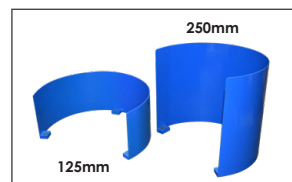
### Optional Accessories :

| Model Number            | Accessories Description                              |
|-------------------------|------------------------------------------------------|
| NL 4000 X / 002 - A 005 | 100 mm Cube Lower Platen Piece                       |
| NL 4000 X / 002 - A 006 | Block Test Compression Platen Set (500 x 70 x 50 mm) |
| NL 4000 X / 002 - A 010 | Portable Flexural Test Device                        |
| NL 4008 X / 001 - P 002 | 100/250 kN Hydraulic Flexural Frame                  |
| NL 4012 X / 003         | Split Tensile Test Device                            |
| SP-TL1610SC             | Portable Micro Printer (Serial)                      |
| NL HWPR - 44            | High White Paper Roll 44mm x 33mm Dia. (5rolls/pack) |
| NL ERC - 05             | Seamless Ribbon (Black)                              |
| NL DTSS                 | Data Transfer Software c/w Cable Set                 |
| NL 4000 X / DS1         | Debris Shield 125 mm (H)                             |
| NL 4000 X / DS2         | Debris Shield 250 mm (H)                             |

Can perform test result transfer to computer in excel format and touch screen also can collect data by using pen drive



SP-TL1610SC



Debris Shield



Touch Screen Display

