

ROLLER COMPACTOR APPARATUS

Sample Preparation by Roller Compaction

Using the roller compactor, slab can be compacted to be compacted to a target density using load. To prepare wheel tracking specimen and to provide slave / to be cut for bending fatigue test. The units is pneumatically powered and is fully enclosed by a safety cutout switches for complete operator safety.

The apparatus comprises :-

*Steel frame roller compactor with roller segment reciprocating mould support table, pneumatic actuators for reciprocating table and applying compaction force.

*PLC controller for compacting start, emergency stop, automatic selection and number of roller passes.

*Different level of vertical for can be selected up to approximately 12 kN.



Technical Specifications :

Model Number	NL 2003 X / 002A
Rolling Wheel Radius	500 mm, Width 300 mm
Roller Car Moving Speed	6 times / min (Forward & Reverse)
Roller Car Moving Distance	300 mm
Roller Car Cycle Setting	1 - 999 Cycle
Rolling Wheel Line Pressure	9 kN
Rolling Wheel Temperature Range	RT - 200°C
Dimension (mm)	1200 (L) x 600 (W) x 1790 (H)
Approx. Weight	400 kg
Power	415 V, 50 / 60 Hz, 3 ph, 3 KW

Unit Consists Of :

Model Number	Parts Description	Qty
NL 2003 X / 002 - P 001	300 mm Sq. x 50 mm (H) Roller Compaction Mould	1set
NL 2003 X / 002 - P 002	Air Compression Set c/w Necessary Tubing & Connection	1no.
NL 2003 X / 002 - P 003	Heater Element with Thermostatic Temperature Controller (up to 200°C)	1no.

*1 Copy Manual Instruction

Optional Accessories :

Model Number	Accessories Description
NL 2003 X / 002A - A 001	Safety Case
NL 2003 X / 002A - A 002	300 mm Sq. x 70 mm (H) Roller Compaction Mould
NL 2003 X / 002A - A 003	300 mm Sq. x 100 mm (H) Roller Compaction Mould