NEPS AND TRASH INDICATOR

NATI ADVANCED

NATI was designed to measure and classify neps & trash, to improve & predict yarn quality, to increase efficiency of carding & combing operations, to reduce maintenance costs and overheads. Its usefulness in programming card-clothing grinding and card-wire replacement is beyond compare.

NATI gained its popularity due to its outstanding performances becoming an essential tool for any size of cotton spinning mills, an industry benchmark.

NATI *ADVANCED* is a special version primarily designed to be linked to CONTEST-F2 (high volume cotton testing equipment). It can be used as stand-alone unit as well.

MESDAN LAB

NATI ADVANCED CODE 3280C

Main features

· measures neps, seed coat neps, trash and dust (in raw cotton, sliver and roving)
· result classification: NEPS [>0.5 mm], TRASH [>0.25 mm], DUST [>0.15 mm] and SEED COATS [>1.0 mm]
· optic measuring system
· testing speed: 1cm/sec. It takes only 1 min to process 1g of raw material (5 times faster, compared to other similar equipment)
· recommended sample weight: 2g for sliver and 0,5g for raw material
· for slivers, automatic execution of multiple tests on the same sample without operator attendance
· user friendly touch screen; for operation, it does not require any particular skill or ability
· large fiber waste box (can accommodate 6-7m of sliver or 30-35g of raw cotton) and trash box for contaminants collection
· internal memory and USB port for data saving (exportable in Excel format)
· built-in auto diagnosing microprocessor
· thermal mini printer connection available via built-in serial port RS232
· the use of electronic balance (accuracy: 0,01g) is required
· 3 available testing modes:
    · cm/test (recommended for slivers)
    · gram/test
    · gram/sample (only available for raw materials)
· easily transportable
· opening roller for cotton included
· very good correlation with international Neps/gram statistics
· connectivity with CONTEST-F2 and unique data management system and data storage

Unlike the traditional NATI, NATI *ADVANCED* does not group Neps and Trash in class sizes and does not require the R.C.S. (Raw Cotton Selector) for material preparation.

NATI ADVANCED - REPORT

Mesdan S.p.A. - ITALY

Sample name: lot1
Test time: 29/09/2020   09:15
RAW COTTON (0.5gr)

TestN	Neps	Trash	Dust	SeedCoats
1	191	103	539	11
2	226	125	997	20
3	176	98	473	10
4	183	146	874	19
5	253	90	466	10
MEAN	205.8	112.4	669.8	14.0
STD	32.6	22.8	248.0	5.0
CV%	15.86	20.31	37.03	36.06

Example of NATI *ADVANCED* report referred to a group of 5 tests.

DIMENSIONS / POWER SUPPLY

Weight: 40 kg
Dimensions: (L) 400 x (W) 379 (H) 700 mm
Power supply: 115 Vac or 230 Vac - 50 Hz or 60 Hz, to be specified when ordering
Air supply: not required
Noise: < 70 dB

OPTIONAL

Mini thermal printer	code 3280A.136
Trolley	code 3280.900
Electronic high precision balance	code 165.708

Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding