

NABL Accreditation Laboratory Aruna Naveen Calibration LLP

For Force | Torque | Weighing Balance | Weights |
Pressure | Flow Meter | LVDT | Encoder | Electro
Technical (ET) | Thermal |



Range: 10 N TO 100 TON | Compression & Tension



UTM | CTM | TTM M/C



LOADCELL



Spring Testing M/c



Compression Testing M/c



TYRE Testing

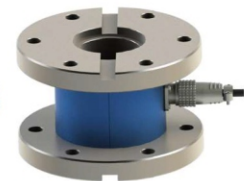
Range: 0.1Nm TO 300Nm



2 Wheeler / 4 wheeler Steering Torque



Rotary Torque



Reaction Torque



Torque Tester

Range: 220g TO 5000KG



Laboratory Scale



Industrial Platform Scale



SS Bottle Weight / Cast iron weight / Hook Weight



Range: 1mg TO 20kg

Range: UPTO 600mm



LVDT/Displacement Sensor

Range: UPTO 1000 bar



Analogue / Digital
Pressure Gauge



Pressure Transmitter

Range: UPTO 35m³/h



Water Flow Meter



Multimeter



Ammeter



Hipot Tester



Voltmeter



Multi-Function Meter

ELECTRO TECHNICAL (ET)

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No. 5, POWER LINE ROAD, E SECTOR,
SIVA SAKTHI NAGAR, RCC COMPLEX,
Thirumullaivoyal, CHENNAI - 600 062

Weighing Based Fully Automation Projects



TANK WEIGHING

Capacity: UPTO 300Ton



SILO WEIGHING



HOPPER WEIGHING

Capacity: UPTO 20Ton Approved



PROCESS WEIGHING



**Single/Double Girder
EOT Crane Weighing**



**Portable Hook
Crane Scale**



Dynamometer



Fork Lift Weighing



Check Weighing



Belt Conveyor



Luggage Weighing



Vehicle parts Load Testing



Spring Load Testing



Winding & Tension Load Test



**Batching Plant
Full Weighing Automation**



**Axle Weighing
CAP: 20TON**



**Industrial Platform Scale
CAP: UPTO 50TON**

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Standard Load Cell and Accessories



Single Ended Shear Beam Load cell



Stainless Steel Single Ended Shear Beam Load cell



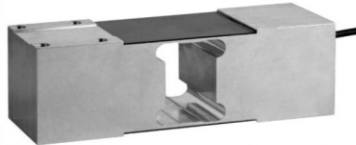
Aluminium Single Point Load cell



Single Ended Shear Beam Load cell



Bending Beam



Brick Load cell



SS Single Point Load cell



Oil damped Load Cell

Application:

- ✚ Tank weighing
- ✚ BIN and Hopper Weighing
- ✚ Platform Scale

- ✚ Check Weigher
- ✚ Seat Lever Testing
- ✚ Conveyor Weighing



S Type Load Cell

Application:

- ✚ Tank, bin weighing.
- ✚ (UTM) Tension & Compression measurement.
- ✚ Batching plant hopper scales.
- ✚ Bag Filling Machines.
- ✚ Truck Scale Conversions.



Pancake Load Cell

Application:

- ✚ (UTM) Tension & Compression measurement.
- ✚ Component Press fit testing machines
- ✚ Tank, bin weighing.



Button Type Load Cell

Application:

- ✚ Tank weighing.
- ✚ Silo and Vessels Weighing
- ✚ (CTM) Compression measurement.
- ✚ Hopper Weighing.
- ✚ Impact Testing Machines.



Rope Tension Load cell

Application:

- ✚ Rope Tension Load Testing



Digital Compression Load cell



Cup & Ball Load cell



Analogue Compression Load cell



Double Ended Shear Beam Load Cell

Application:

- ✚ Weighbridge
- ✚ Compression Testing

Customized Load Cell



Pancake Load cell



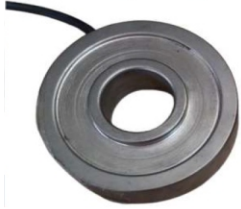
Universal Female Column Load cell



Pedal Force Load cell



Miniature Button Load cell (From 5kg)



Washer / Ring Type Load Cell



Compression Column Load cell

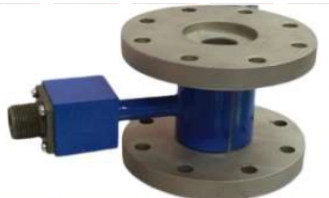


Compression Load cell (UPTO 2000TON)



Piece Count Table Top Scale

Torque sensor



Reaction Torque



Rotary Torque

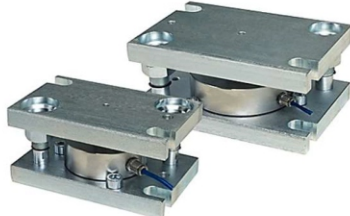
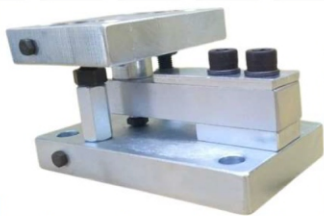


Nut Runner Torque



Torque Wrench Tester

Load cell Mountings and Junction Box



Process controller / Amplifier



Panel Mounted Testing M/c | Process Weighing | Batch Weighing Controllers



Digital Weighbridge Indicator



Weighing Scale Indicator



Handheld Indicator



Rail Mounted Amplifier



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Pneumatic Vibrators



Turbo Ball Vibrators

- Noise Level 80dp and forget equipment.
- Finds application in flow promotion, screening, compacting.
- Available in Various Size.



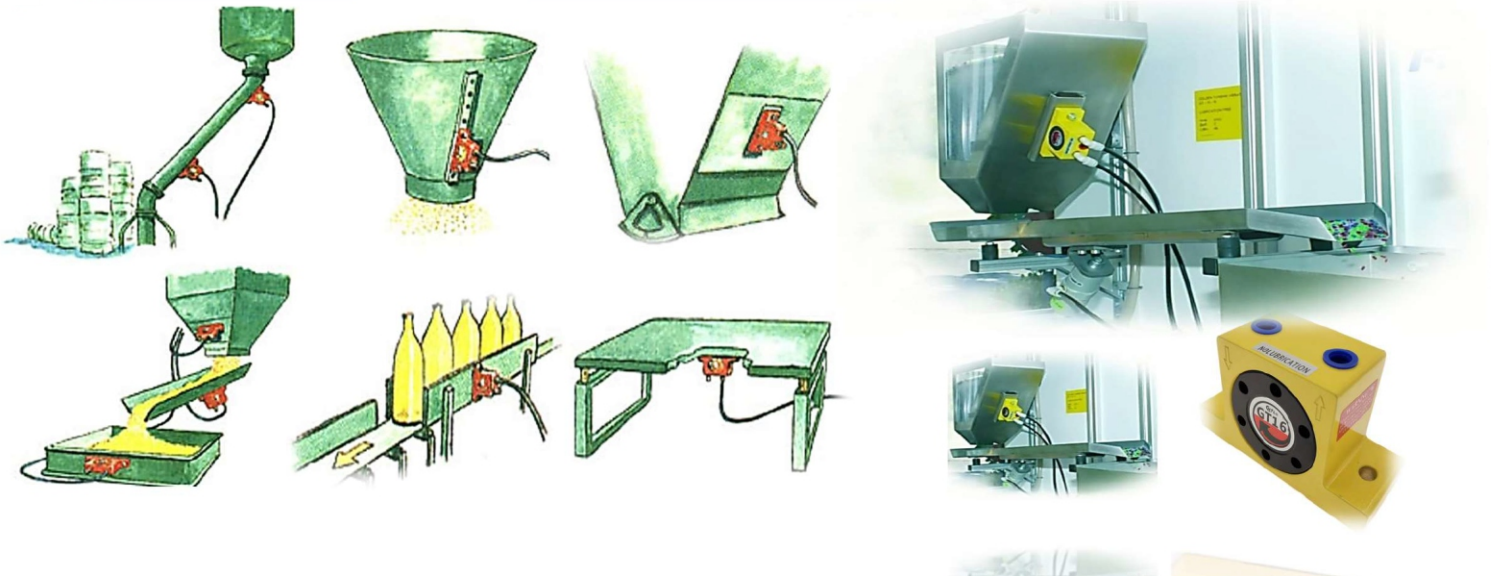
Pneumatic Piston Knockers

- There are linear motion equipment.
- In knockers the force is generated by hammering action of piston on hardened plate. Spring less design, Low maintenance.
- Can be used for screens / Compacting tables / Hopper evacuation.



Silent Turbine Vibrators & Oscillator

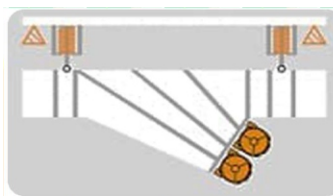
- Improved Version of the ball vibrators, works by the rotation of an unbalanced mass on a shaft, using compressing air.
- Provides a stable vibration akin to an electric motor,
Low starting pressure not affected by orientation of vibrator,
Requires clean compressed air.



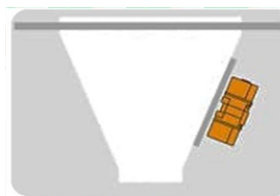
Electrical Vibrators Motors & Applications



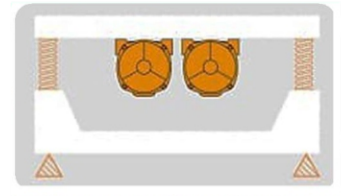
Motor Vibrator



Example of how electric vibrators used in Vibro Feeders



For Silo Hoppers: rotational method



For Compacting tables and tests (accelerated ageing, stress etc): Unidirectional or rotational method.



Micro Vibrator
CF: 4kgf To 45kgf

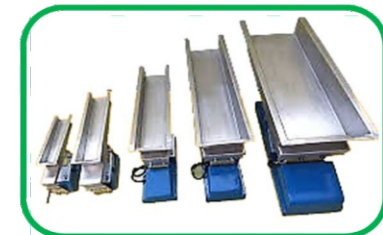


Hopper Evaluation



Vibration Table

Vibro Feeder



Vibro Feeder



- Capacity: 10TPH to 25 TPH
- Size: 500 X 200 upto Size: 1200 X 300



Food Feeder



Volumetric Feeder Machine



Vibro Feeder Voltage
Variable Controllers

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Automation Panel And Software Solutions



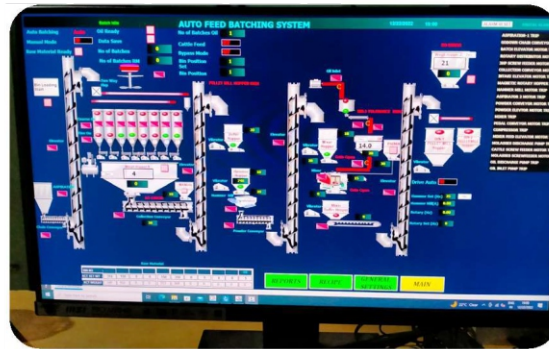
3 Component
Batching Panel



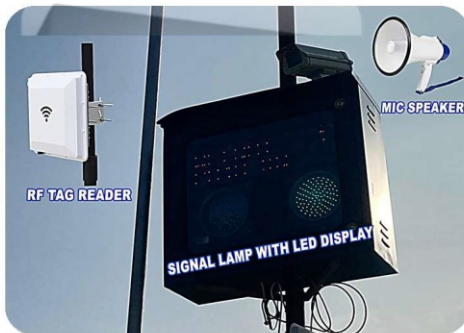
FLP Enclosure Panel



Testing M/C - Safety Panel



Fully Automation Panel | SCADA | PLC PROGRAMING



Signal Lamp with Status Display



Industrial Date | Time | Temperature Monitors



Plant Automation under SCADA

Weighbridge Manufacturer



Platform Size (Meter)	Capacity In (Tonnes)	Accuracy
4 X 3	5 / 10	1 / 2KG
6 X 3	10 / 30	2 / 5 KG
7.5 X 3	10 / 30	2 / 5 KG
7.5 X 3	40 / 50	5 KG
8 X 3	30 / 40 / 50	5 KG
8 X 3	50 / 60	5 / 10 KG
9 X 3	40 / 50	5 KG
9 X 3	50 / 60	5 / 10 KG
12 X 3	50 / 60	5 / 10 KG
12 X 3	60 / 80	10 KG
14 X 3	50 / 60	5 / 10 KG
14 X 3	60 / 80	10 KG
15 X 3	50 / 60	5 / 10 KG
15 X 3	80 / 100	10 KG
16 X 3	50 / 60	5 / 10 KG
16 X 3	80 / 100	10 KG
16 X 3	120 / 150	20 KG
18 X 3	60 / 80 / 100	10 KG
18 X 3	100 / 150	10 / 20 KG
20 X 3	80 / 100	10 KG
20 X 3	120 / 150 / 200	20 KG



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