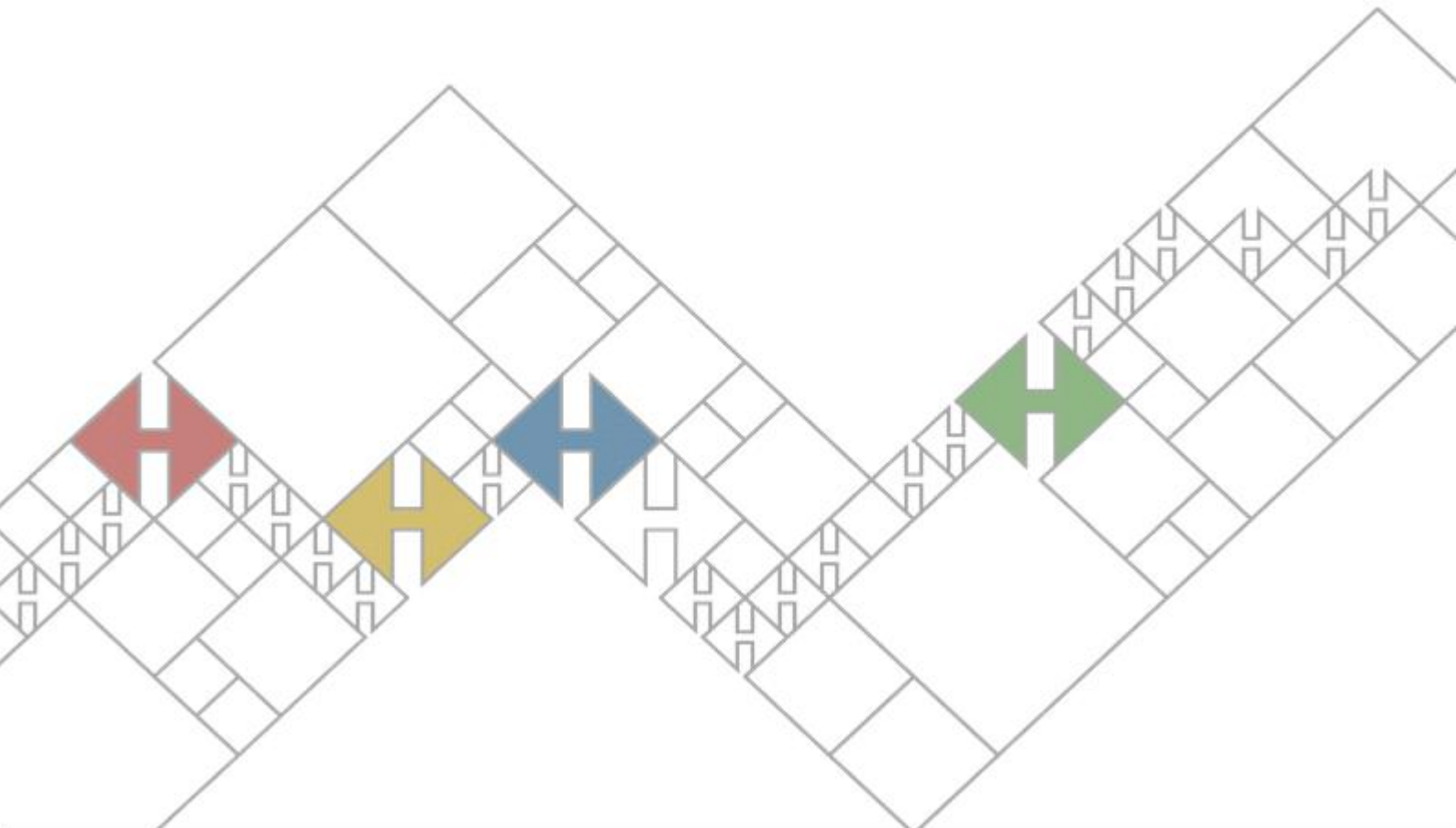


BEAD STRENGTH TESTER

FOR

SIVA TEX YARN

BEAD STRENGTH TESTER



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1. APPLICATION :

The system is designed for testing of Compressive Strength of ION EXCHANGE BEADS (used for water purification). Ion Exchange Beads are basically Polymer Resin. The diameter of the bead ranges from 0.5 mm to 1.5 mm or so.

2. DESCRIPTION :

The system is designed and developed considering that there will be multiple samples to be tested in a single GO. It can test up to 60 samples as single batch. Digital Automated System with computerisation helps in quick and stress free testing.

3. FEATURES :

Test Unit

- ✓ Digital
- ✓ Micro-controller based
- ✓ Memory for setups and data
- ✓ Setting parameter
- ✓ Communication with PC
- ✓ Over Load protection
- ✓ Accurate Force measurement
- ✓ Stable Motorised Moving Arm
- ✓ Precise Indexing of sample table
- ✓ Micro-Controller based dedicated Electronics
- ✓ Control console for stand alone testing
- ✓ Software for operating using PC

4. SPECIFICATION :

Test Unit

Micro-controller based
LCD Display (2 X 16 charecters)
Key pad for setup
Memory for Setup - 5
RS 232 port
Load Range : 5000 gms
Load Resolution : 0.1 gms
Speed : 1 mm / min to 300 mm / min

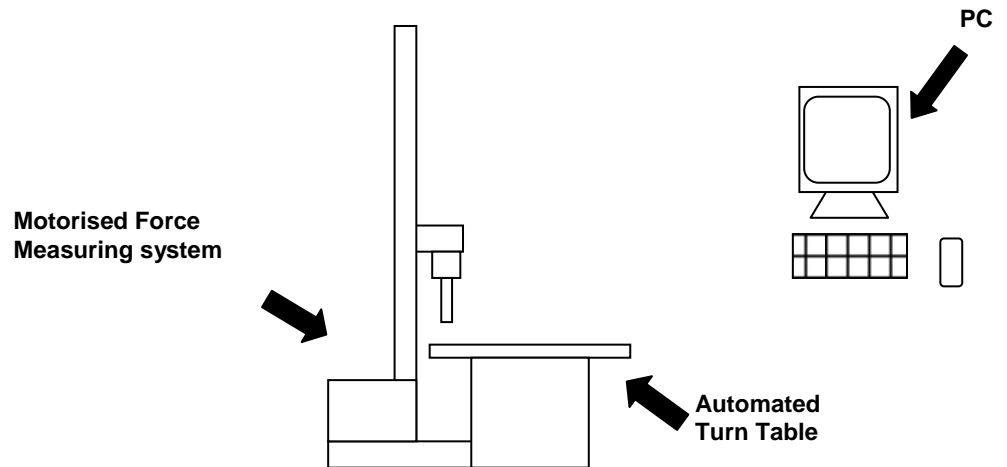
Fixture

Round Indexing Table operated automatically as part of Test Sequence.

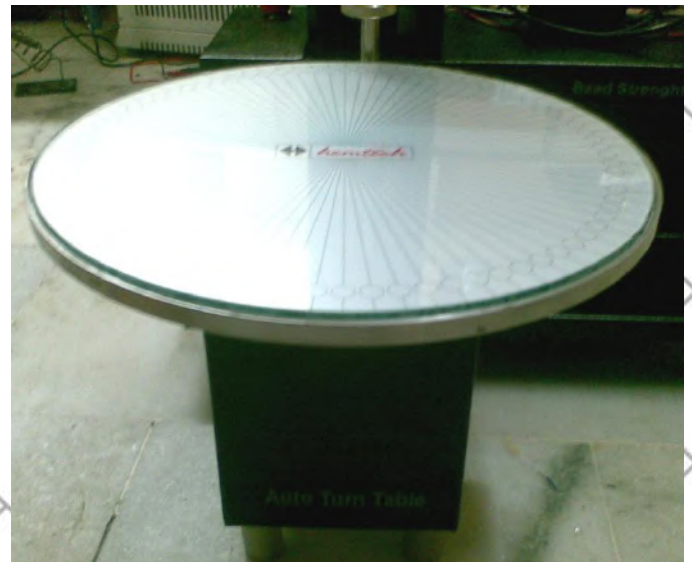
Software

WINDOWS based
Facility for making Setup
Facility for Storing Data
Facility for Generating Reports

5. SCHEMATIC :
Block Diagram:



Photographs:



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